

WESTSIDE UNION SCHOOL DISTRICT
REGULAR BOARD MEETING
DISTRICT OFFICE – ROOM 4

June 5, 2018

Mission Statement: Recognizing the exceptionalism of every child, the mission of Westside Union School District is to educate all students to universally high levels of academic competence. We are committed to comprehensive systems of instructional delivery that include research-based best practices to assure this outcome by “pointing the way, providing the path” to success.

Vision Statement: Our vision is to graduate students who have acquired the knowledge, skills and attitudes necessary to achieve significant career, educational, civic and personal goals, which will enrich our society as positive role models and responsible citizens.

5:00 p.m. – Regular Session

Adjourn to Closed Session

6:00 p.m. – Reconvene to Regular Session

CALL TO ORDER _____ p.m.

I. OPEN SESSION _____ p.m.

A. Flag Salute

B. Roll Call

BOARD OF TRUSTEES

John Curiel _____

Patricia Shaw _____

Linda Jones _____

Jennifer Navarro _____

Steve DeMarzio _____

SUPERINTENDENT

Regina Rossall _____

II. ITEMS FROM THE FLOOR – Closed Session

Please submit a yellow “Request To Speak To The Board of Trustees” in the folder on the exhibit table for agenda and non-agenda items to the Secretary of the Board prior to the meeting. Not more than three (3) minutes are to be allotted to any one (1) speaker, no more than twenty (20) minutes on the same subject. This portion of the agenda is for presentations to the Board regarding closed session items only. This is not a question and answer period where the Board enters into dialogue. Testimony is not protected from damage claims for libel. Public Charges or allegations may result in legal action being brought by those individuals. If you have questions for the Board, please provide the Board President with a copy and an administrator will provide answers at a later date.

III. CLOSED SESSION

Moved by _____ Seconded by _____

Ayes: _____ Noes: _____ Abstain: _____

Opened: _____ Closed: _____

- a. Conference with Labor Negotiators (Gov’t. Code §54957.6)
- b. Existing/Anticipated/Pending Litigation (Gov’t Code §54956.9)
- c. Conference with Real Property Negotiator
- d. Public Employee Discipline/Dismissal/Release/Appointment (Gov’t Code §54957)
Superintendent’s Evaluation
- e. Pupil Personnel (Ed Code 35146 and 48918)
4 Cases

6-5-18

- IV. RECONVENE TO OPEN SESSION at _____ p.m.
- V. REPORT OF CLOSED SESSION ACTION
- VI. PRESENTATIONS
- A. Golden Apple Award
 - B. District Office and Management Service Pins
 - C. ACSA Awards
 - D. Management and Confidential Employees of the Year
 - E. Local Control Accountability Program (LCAP)
 - F. 2018-19 Adopted Budget
- VII. HEARING SESSION/STAFF REPORTS
- A. Board Comments
 - B. Staff Reports
 - 1. Assistant Superintendent Administrative Services
 - 2. Assistant Superintendent Educational Services
 - 3. Deputy Superintendent
 - 4. Superintendent
- VIII. RECESS
- IX. RECONVENE TO OPEN SESSION AT _____ p.m.
- X. PERSONAL APPEARANCES
- A. Westside Union Teachers Association Representatives
 - B. California School Employees Association Representatives
 - C. Parent Teacher Association Representatives
 - D. West Antelope Valley Educational Foundation Representatives
- XI. ITEMS FROM THE FLOOR
- Please submit a yellow "Request To Speak To The Board of Trustees" in the folder on the exhibit table for agenda and non-agenda items to the Secretary of the Board prior to the meeting. Not more than three (3) minutes are to be allotted to any one (1) speaker, no more than twenty (20) minutes on the same subject. This is not a question and answer period where the Board enters into dialogue. Testimony is not protected from damage claims for libel. Public Charges or allegations may result in legal action being brought by those individuals. If you have questions for the Board, please provide the Board President with a copy and an administrator will provide answers at a later date.
- XII. PUBLIC HEARING
- a. A hearing to receive public input on the Local Control Accountability Program (LCAP)
Opened _____ Closed _____
 - b. A hearing to receive public input on the 2018-19 Adopted Budget
Opened _____ Closed _____
 - c. A hearing on the proposed formation of Westside Union School District Community Facilities District No. 2018-1 with Improvement Areas Nos. 1 and 2. (to be held during the Business Session)
Opened _____ Closed _____

- d. A hearing to receive public input on the Hillview Solar Upgrades/PacificWest Agreement. (The Board will close the Public Hearing after comments are received during the Business Session.)

Opened _____ Closed _____

XIII. BUSINESS SESSION

A. Organizational/Governance

Goal #

1. Agenda

Item 1

Moved by _____ Seconded by _____

To approve the Agenda of the Regular Meeting of
June 5, 2018

Ayes: _____ Noes: _____ Abstain: _____

Actions proposed for the Consent Calendar, are items with adopted policies and approved practices of the District and are deemed routine in nature. They will be acted upon in one motion, without discussions, unless members of the Board request an item's removal. The item will then be removed from the motion to approve and after the approval of the consent agenda the item(s) will be heard.

Items 2a -2g

2. Consent

- a. Minutes of the Workshop and Regular Meeting on
May 15, 2018
- b. Fundraising Authorizations
- c. Personnel Report
- d. Purchase Orders
- e. Consultant/Contract Schedule
- f. Conference/Workshop Schedule
- g. Obsolete Item Disposal List

Moved by _____ Seconded by _____

Approval of the Consent Items as presented

Ayes: _____ Noes: _____ Abstain: _____

3. Discussion Item

Item 3

- Governance

B. Educational Services

4. Site Plans

Item 4

- Hillview
- Joe Walker
- Quartz Hill

Moved by _____ Seconded by _____

Approval of Site Plans

Ayes: _____ Noes: _____ Abstain: _____

5. Memorandum of Understanding 18-07, between Westside Union School District and Antelope Valley Migrant Education Migrant Education Program Consortium Item 5 Goal #

Moved by _____ Seconded by _____

Approval of Memorandum of Understanding 18-07, between Westside Union School District and Antelope Valley Migrant Education Migrant Education Program Consortium

Ayes: _____ Noes: _____ Abstain: _____

6. Revised Board Policy and Administrative Regulation, 6154, Homework/Makeup Work Item 6

Moved by _____ Seconded by _____

Approval of the first reading of the revised Board Policy and Administrative Regulation 6154, Homework/Makeup Work

Ayes: _____ Noes: _____ Abstain: _____

C. Personnel

7. Provisional Intern Permits (PIP) Item 7

Moved by _____ Seconded by _____

Approval of the Provisional Intern Permits (PIP)

Ayes: _____ Noes: _____ Abstain: _____

8. Short Term Staffing Permits (STSP) Item 8

Moved by _____ Seconded by _____

Approval of the Short Term Staffing Permits

Ayes: _____ Noes: _____ Abstain: _____

D. Business

9. Resolution 18-79, Amended Boundary Map for Westside Union School District Community Facilities District No. 2018-1 with Improvement Areas Nos. 1 and 2 Item 9 4B

Moved by _____ Seconded by _____

Approval of Resolution 18-79, Amended Boundary Map
for Westside Union School District Community Facilities
District No. 2018-1 with Improvement Areas Nos. 1 and 2

Goal #

Ayes: _____ Noes: _____ Abstain: _____

9a Resolution 18-80, Formation of Community Facilities
District No. 2018-1 with Improvement Areas Nos. 1 and 2

Item 9a

4B

Moved by _____ Seconded by _____

Approval of Resolution 18-80, Formation of Community
Facilities District No. 2018-1 with Improvement Areas
Nos. 1 and 2

Ayes: _____ Noes: _____ Abstain: _____

9b Resolution 18-81, Determining the Need to Incur Debt,
Westside Union School District Community Facilities
District No. 2018-1 with Improvement Area Nos. 1 and 2

Item 9b

4B

Moved by _____ Seconded by _____

Approval of Resolution 19-81, Determining the Need to
Incur Debt, Westside Union School District Community
Facilities District No. 2018-1 with Improvement Areas
Nos. 1 and 2

Ayes: _____ Noes: _____ Abstain: _____

9c Resolution 18-82, Canvassing Election Results, Westside
Union School District Community Facilities District No.
2018-1 with Improvement Area Nos. 1 and 2

Item 9c

4B

Moved by _____ Seconded by _____

Approval of Resolution 18-82, Canvassing Election
Results, Westside Union School District Community
Facilities District No. 2018-1 with Improvement Area Nos.
1 and 2

Ayes: _____ Noes: _____ Abstain: _____

9d Resolution 18-83, First Reading of Ordinance, Westside
Union School District Community Facilities District No.
2018-1, Authorizing the Levy of a Special Tax

Item 9d

4B

Moved by _____ Seconded by _____

6-5-18

Approval of Resolution 18-83, First Reading of Ordinance,
Westside Union School District Community Facilities
District No. 2018-1, Authorizing the Levy of a Special Tax

Goal #

Ayes:_____ Noes:_____ Abstain:_____

10. Resolution 18-78, Temporary Extraordinary Approval Authorization Item 10

Moved by _____ Seconded by _____

Approval of Resolution 18-78, Temporary Extraordinary
Approval Authorization

Ayes:_____ Noes:_____ Abstain:_____

- 11 Hillview Solar Upgrades/PacificWest Agreement Item 11 4C

Moved by _____ Seconded by _____

Approval of the Hillview Solar Upgrades/PacificWest
Agreement

Ayes:_____ Noes:_____ Abstain:_____

- 12 Revised Board Policies and Administrative Regulations Item 12

- AR 3230, Federal Grant Funds
- AR 3514.2, Integrated Pest Management
- BP/AR 3551, Food Service Operations/Cafeteria Fund
- BP/AR 3553, Free and Reduced Price Meals

Moved by _____ Seconded by _____

Approval of the first reading of the revised Board Policies
and Administrative Regulations

Ayes:_____ Noes:_____ Abstain:_____

13. Award of Paint Bid for Quartz Hill Elementary Item 13

Moved by _____ Seconded by _____

Approval to Award the Paint Bid for Quartz Hill
Elementary to Cali Painting

Ayes:_____ Noes:_____ Abstain:_____

14. Bruns Belmont Credit Change Order No. 1 for Cottonwood Elementary Item 14 4A

Moved by _____ Seconded by _____

6-5-18

Approval of Bruns Belmont Credit Change Order No. 1
for Cottonwood Elementary

Ayes:_____ Noes:_____ Abstain:_____

XIV. INFORMATION SESSION

- A. Items From The Floor – Continued
- B. Dates to Remember:
 - 1. Regular Meeting on June 19, 2018
 - 2. Regular Meeting on June 26, 2018
- C. Board Comments – Continued

XV. NEW BUSINESS

Future Board Meeting Items

XVI. CLOSED SESSION - Continued

XVII. RECONVENE TO OPEN SESSION at _____ p.m.

XVIII. REPORT OF CLOSED SESSION ACTION

XIX. ADJOURNMENT

There being no further business to come before the Board, the regular meeting of June 5, 2018, is adjourned at _____ p.m. by the Board President.

In compliance with the Americans with Disabilities Act, if you need special assistance to access the Board meeting room or to otherwise participate at this meeting, including auxiliary aids or services, please contact Tonya Williams at (661) 722-0716. Notification at least 48 hours prior to the meeting will enable the District to make reasonable arrangements to ensure accessibility to the Board meeting room.

Any writings or documents that are public records and are provided to a majority of the governing board regarding an open session item on this agenda will be made available for public inspection on the District Web Site, www.westside.k12.ca.us or in the District Office located at 41914 50th St. West, Quartz Hill, CA 93536 during normal business hours (8:00 a.m. – 4:00 p.m.).

Core Beliefs and Board Goals 2017-2018

The District uses data to create a learning-oriented culture for both staff and students which defines success in terms of improvement and progress.

- 1. WE BELIEVE THAT OUR TEACHERS AND STAFF ARE OUR MOST VALUABLE ASSETS AND RESOURCES**
- 2. WE OPERATE WITH TRANSPARENCY, TRUST AND INTEGRITY, GOVERNING IN A DIGNIFIED, PROFESSIONAL MANNER, TREATING EVERYONE WITH CIVILITY AND RESPECT**
- 3. WE ARE ABSOLUTELY COMMITTED TO PROVIDING A SAFE, DISTINGUISHED AND ENGAGING LEARNING ENVIRONMENT THAT ENSURES ALL STUDENTS LEARN TO THEIR HIGHEST POTENTIAL**

- ❧ A. Build the capacity of board and district staff in developing and monitoring data related to goals and priorities specifically in the area of cultural responsiveness and educational equity
- ❧ B. A key concern and priority for this governing board is improving the accuracy and consistency of grading which should measure what students know, as they play a crucial role in every aspect of students' academic lives and future lives as global citizens. Areas of concern are: 1) Grades reflect progressive and mastery of content. 2) They are predictable and understood by parents and third parties. 3) That non-academic factors are graded separately. 4) The system adopted is not overwhelming for teachers.

❖ Annual Report by Educational Services

- 4. WE ARE ABSOLUTELY COMMITTED TO PROVIDING THE NECESSARY FACILITIES TO MEET THE HOUSING AND EDUCATION NEEDS OF OUR CHANGING STUDENT POPULATION AND A VISION THAT PROMOTES AND SUPPORTS THEIR FUTURE**

- ❧ A. Continue the Cottonwood Elementary School modernization
- ❧ B. Receive annual updates to the District's Facilities Master Plan while exploring and securing options to finance the plan.
- ❧ C. Continue to implement sustainable clean energy programs that promote the long-term well-being of both the District's finances and the environment.

❖ Annual Report by Business Services

- 5. WE ARE FISCALLY TRUSTWORTHY AND DEDICATED TO RESPONSIBLE FINANCIAL ACCOUNTABILITY**
- 6. WE BELIEVE IN AND PROMOTE PARENT AND COMMUNITY INVOLVEMENT IN WESTSIDE UNION SCHOOL DISTRICT**

2017-2018 Board Expectations

The District uses data to create a learning-oriented culture for both staff and students which defines success in terms of improvement and progress.

1. WE BELIEVE THAT OUR TEACHERS AND STAFF ARE OUR MOST VALUABLE ASSETS AND RESOURCES

EXPECTATIONS:

- a. Provide staff development to enable employees in a job classifications to maintain and improve their skills to meet stated goals of the Board to meet the needs of students. Continuously monitor and re-evaluate formula-driven staffing levels that adequately address student ratios and campus needs for all classifications of employees (classified, certificated, confidential, and administration)
- b. Maintain and monitor administrative training programs to enable existing staff to become administrators or to increase the skills of current administrators to assume increasing levels of responsibility in the future as well as immediately assisting with the reduction of attendance issues, traffic safety and student discipline at all school sites. Create programs that enable classified employees who want to become teachers to obtain the necessary information to do so, and work with the CSEA Board to make sure members know about contractual benefits available when taking college classes. As grants become available to help classified employees become teachers, apply for any for which the District is eligible.
- c. Provide ongoing recognition for school achievement, program development, i.e., California Gold Ribbon, Golden Bell, Employee of the Year, and Program Innovation: Joe Walker STEALTH, Gregg Anderson Academy, The IDEA Academy at Cottonwood, Westside Academy and Hillview 6th Grade Academy
- d. Continue a long-term plan to provide total compensation for all positions within the district that is competitive with the surrounding Antelope Valley elementary school districts
- e. Provide ongoing training to ensure a safe work place for all employees
- f. As funds are available revenues will be placed in a separate account to pay for long term post-employment benefits
 - a. a, d & e - Annual Report by Human Resources
 - b. b & c - Annual Report from Superintendent
 - c. f - Annual Report by Business Services

2. WE OPERATE WITH TRANSPARENCY, TRUST AND INTEGRITY, GOVERNING IN A DIGNIFIED, PROFESSIONAL MANNER, TREATING EVERYONE WITH CIVILITY AND RESPECT

EXPECTATIONS

- a. Continue to improve the knowledge level of trustees through ongoing training, participation in political actions that influence improved funding and legislation for educational programs, and programs of independent study. All Board Members will attend the CSBA Annual Education Conference, with a report of sessions attended at a future Board Meeting, and receive a Masters in Governance certification
- b. The board will initiate the annual process for self-evaluation in June
- c. Annually set objectives to meet the goals of the district in June
- d. Continue to improve working relationship with employee unions to enable communications that enhance the overall well-being of the district including all employees
- e. A public-friendly version of the three major budget reports of the year shall be posted on the website

3. **WE ARE ABSOLUTELY COMMITTED TO PROVIDING A SAFE, DISTINGUISHED AND ENGAGING LEARNING ENVIRONMENT THAT ENSURES ALL STUDENTS LEARN TO THEIR HIGHEST POTENTIAL**

EXPECTATIONS:

- a. Staff will monitor comprehensive plans for improving student achievement including the Local Control Accountability Plan (LCAP) and the Comprehensive Safety Plans including the sections related to student discipline.
- b. All students will receive rigorous and effective instruction, support and intervention that afford equitable access to a high quality educational experience in an environment that nurtures critical thinking, communication, collaboration, creativity and social responsibility.
- c. Teachers will use research-based best practices to design and deliver instruction, which addresses the knowledge, concepts and skills outlined in the State Standards. Teachers will design lessons that actively engage the minds of all learners with that which is to be learned. Learning objectives that describe what students will be able to do successfully and independently at the end of each lesson will be clearly articulated. Formative assessment will be used to guide and inform instruction. Summative assessment will be used to measure student learning.
- d. Professional Development will be aligned to improve student outcomes. Data will be collected to substantiate growth in student achievement.

4. **WE ARE ABSOLUTELY COMMITTED TO PROVIDING THE NECESSARY FACILITIES TO MEET THE HOUSING AND EDUCATION NEEDS OF OUR CHANGING STUDENT POPULATION AND A VISION THAT PROMOTES AND SUPPORTS THEIR FUTURE**

EXPECTATION

- a. Monitor and maintain high-quality information technology systems throughout the District

5. **WE ARE FISCALLY TRUSTWORTHY AND DEDICATED TO RESPONSIBLE FINANCIAL ACCOUNTABILITY**

EXPECTATIONS:

- a. Continue to decrease encroachment of general funds by Special Education
- b. Continue to update and implement the adopted Technology Plan
- c. Continue to increase operational efficiency
- d. Citizens Oversight Committee will hold required meetings
- e. Set budget priorities based on the goals of the District
- f. Support and retain partnerships that have a mutual priority to maximize the available dollars for improving programs for students
- g. Maintain student Average Daily Attendance to exceed 96% percent.
- h. Senior Staff to hold twice-yearly fiscal status updates at employee work locations in order to educate and inform our stakeholders
- i. Maintain a financially responsible, positive District budget for the current year and two out years in order to preserve Westside's financial solvency, educational programs and the continued payment of employee salaries.


☞ g - Annual ADA Report by Business Services

☞ a, b, c, d, e, f, h & i - Budget Presentations by Business Services

6. **WE BELIEVE IN AND PROMOTE PARENT AND COMMUNITY INVOLVEMENT IN WESTSIDE UNION SCHOOL DISTRICT**

EXPECTATIONS:

- a. Continue to monitor and implement plans to increase communication and participation with parents regarding their children's education including the use of PowerSchool/PowerTeacher by all teachers.
- b. Implement plans to improve parent communication and participation with parents of all students.
- c. Explore ongoing efforts to increase communication with the community, utilizing methods that are cost effective.
- d. Strengthen partnerships with businesses, community organizations, and public agencies.
- e. Annually share the Board's goals and accomplishments with the stakeholders. Each school year will begin with a State of the District presentation by Superintendent and staff where maximum efforts are made to assure that the meeting is well-attended by the public.
- f. Create, administer and compile surveys for constituents that will generate data to measure district effectiveness to drive district decisions.
- g. Continue to explore means of obtaining input from stakeholders.
- h. Each Trustee will regularly attend community and school site events
- i. The Board will play an active role in promoting our district's image in the community and positive working relationships with all stakeholders.
- j. Keep public postings and communications current. Staff will monitor weekly.
Partner with parents and community to develop and implement school programs.

 e - Posted on District Website

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES
PREPARED BY: Regina L. Rossall, Superintendent
SUBJECT: Board Meeting Agenda

BACKGROUND:

The Board is requested to approve the Agenda for June 5, 2018.

PROGRAM/EDUCATIONAL IMPLICATION:

None

COST ANALYSIS/FUNDING SOURCE:

None

SUPERINTENDENT'S RECOMMENDATION:

Approval

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES
PREPARED BY: Regina L. Rossall, Superintendent
SUBJECT: Board Minutes

BACKGROUND:

The Board is requested to approve the Minutes of the Regular Meeting on May 15, 2017.

PROGRAM/EDUCATIONAL IMPLICATION:

None

COST ANALYSIS/FUNDING SOURCE:

None associated with the approval of Board Minutes.

SUPERINTENDENT'S RECOMMENDATION:

Approval

WESTSIDE UNION SCHOOL DISTRICT
BOARD OF TRUSTEES
MINUTES
May 15, 2018

I. CALL TO ORDER

At 5:07 p.m. John Curiel, President, called to order the Workshop and Regular Board Meeting of the Westside Union School District Board of Trustees.

II. Flag Salute

Jennifer Navarro, Member

III. ROLL CALL

John Curiel, President – Present

Patricia K. Shaw, Vice President - Present

Dr. Linda Jones, Clerk – Present (arrived at 6:00 p.m., left at 6:50 p.m.)

Jennifer Navarro, Member – Present

Steven DeMarzio, Member – Teleconference

SUPERINTENDENT

Regina Rossall – Present

IV. ITEMS FROM THE FLOOR

None

V. OTHERS PRESENT

Stephanie Cruz, Courtney Tomlinson, Rebecca Davis, Jeanice Peterson, Jake Briggs. Rhonda Hanson, Dr. George Collucci, Sandra Thompson, Meagan Thompson, Neely Foote, Cynthia Haylock-Peters, Nicole Hernandez, Nancy Hemstreet, Nancy Shimer, Jacquelyn Jones, Bob Dunham, Darla Jones, Sophie Frukhtman, Cathy Eichner, Cindy Munoz, Kristin Kruizinga, Timothy Barker, Cyndi Grinder, Leesa Wood, Jennifer Slater-Sanchez, Andrea Paxton, Magda Denise Strattan, Margo Kettelkamp, Regina Smith, Rob & Kathy Nowell, Vickie & Rick Wyatt, Glenda Campos, Payao Gray, Wendy Cervantes, Heather Kunz, Frances Beckwith, Debbie Farrow, Lisa Walker, Jessica Buk, LaToya Davis, Rodney Lots, Shelly Dearing, Gail Blaze, Nancy D. Lindsay Combs, Sylvia Borg-Otting, Jessica Kott, Lori Mann, Allison Tolan, Wil Masters, Amy Brown, Alicia Ceroni, Marisa Yudin, David Wallasky, Christine Rendán, Shevawn Avila, Brian Schiller, Patricia Bothuel, Laura Duran, Marlene Walsh, Kelly Virtue, Ingrid Armstrong, Anna Piercy, Shawn Tyson, Erin Belcher, Wayne Trussell, Mike Lanza, Ken Ford, Kelly Maynard, Cathy Bennett, Rosy Knight, Elisa Winn, Deborah Jones, Maureen Kubli, Denise McWilliams, Lauri Massari, Laura Hunter, Elvia Valenzuela, Tina Nehen, Anabell Sanchez-Pleites, Trudy Valenzuela, Jeannette Jenkins, Tom Morreale, Rhonda Caudillo, Prof. Amaka Donn, Antoinette Griffin, Bev Adams

VI. WORKSHOP

Board Self Evaluation

VII. RECESS

VIII. RECONVENE TO OPEN SESSION at 6:00 p.m.

IX. PRESENTATIONS

A. Classified Retirees

Minutes

Regular Board Meeting

May 15, 2018

B. Classified Employees of the Year

X. RECESS

XI. RECONVENE TO OPEN SESSION at 8:15 p.m.

XII. HEARING SESSION/STAFF REPORTS

A. Board Comments:

Jennifer Navarro

- Congratulations to our Classified Employees of the Year and thank you for everything that you do. Congratulations to our retirees, you will be missed. My students probably crossed some of your paths.
- I visited Joe Walker last week and spent some time in a math class. I will be visiting Cottonwood, Rancho Vista and Gregg Anderson this week.

Steve DeMarzio:

- Best wishes to our retirees. Congratulations to our Classified Employees of the Year. These people had to be chosen from a highly qualified group of dedicated professionals. So many critical duties are done in front of the scenes as well as behind the scenes. Thank you for all you do for Westside.

Patricia K. Shaw:

- Congratulations to our retirees.

John Curiel:

- Classified staff, thank you for everything that you do. You are the first face that welcomes our students at school and you are the face of calmness. Retirees, thank you for your dedication of service; you are the heartbeat of Westside.
- Thank you, everyone, for coming this evening. It was a wonderful evening recognizing our classified staff. Westside is the best district in the Antelope Valley.

B. Staff Reports:

1. Assistant Superintendent Administrative Services – Shawn Cabey
 - a. There is so much knowledge that will be leaving us this year in the classified ranks.
 - b. There is so much caring and heart in our classified staff.
 - c. The May Revise was issued last Friday. There is about 286 million dollars in one-time money that was earmarked for school-site safety.
2. Assistant Superintendent Educational Services - Marguerite Johnson
 - a. What a fabulous evening. To our retirees and classified staff, a heartfelt thanks.
 - b. If you have the opportunity to visit the inclusion dream team basketball team games at Hillview, please do so. You can call Hillview for the game schedule.
3. Deputy Superintendent - Robert Hughes
 - a. The skill set we are losing will be next to impossible to replace.
 - b. I have the privilege and I appreciate working with both union presidents and groups.
 - c. It's good to see our classified folks recognized. I had the opportunity to listen to the principals talk about their site employees of the year, we have an incredible group that was recognized this evening.
4. Superintendent – Regina Rossall

Mrs. Rossall reviewed the following items with the Trustees:

- a. California Distinguished School Program – Gregg Anderson was recognized as a California Distinguished School. The flag raising ceremony at Gregg Anderson will be on 5/25 at 8:00 a.m.
- b. I also attended the Inclusion Sports League; we are so appreciative that the Board has helped with our FS program. The players participate with the support of a regular ed student. It was impressive on many, many levels. We also have a fabulous garden at Hillview that was done by our FS students.
- c. We are also nominating our counseling program for the Golden Bell.
- d. On Thursday, LACOE will be hosting a celebration for Golden Bell winners; Joe Walker will be recognized.
- e. At the state level, they have one-time funding for school safety.
- f. Graduation Schedule
- g. I would like to thank our classified staff who were recognized this evening. We have close to 800 classified staff. They do service for students and staff that is beyond compare. Tonight we saw the tip of the iceberg of our classified staff.
- h. Congratulations to our retirees, they will be difficult to replace.
- i. I would like to thank our entire Westside staff for all they did on Friday. All of our staff did everything that they could to make sure our students were safe. At 7:05, we heard that there was an active shooter at Highland High School. Immediately, all of our schools went into lockdown. At the time the call came out, there was the feeling that this could be a set-up where there could be shooters at other school sites. I can't say enough for everyone pulling together. I appreciate the parents being so orderly and patient as they waited to get their students. Great job by everyone in a very tough circumstance.
- j. We have great respect for both our unions and work very well together.

XIII. PERSONAL APPEARANCES

- A. Westside Union Teachers Association Representative – Bob Dunham, President
- B. California School Employee Association Representative – Jeri Holmes, President
- C. Parent Teachers Association Representative
 - The next NAVC meeting will be on 5/24 – 6:30 p.m. – 8:30 p.m. at the district office in room 4, everyone is invited to attend.
- D. WAVE Representative – Jennifer Navarro and Robert Hughes

XIV. ITEMS FROM THE FLOOR – Regular Session

- Brian Schiller – Crisis communication
- Stephanie Cruz – Questions for the Board as part of an AVC class project

XV. PUBLIC HEARING

None

XVI. BUSINESS SESSION

- A. Organizational/Governance
 1. M18-203 - Item 1. Approval of the agenda of the Workshop and Regular Board Meeting of May 15, 2018, as submitted. The motion was made by Patricia K. Shaw seconded by Jennifer Navarro and carried 4/0.
 2. M18-204 - Items 2a – 2f. The motion was made by Patricia K. Shaw seconded by Jennifer Navarro and carried 4/0 to approve the consent agenda.
 - 2a Minutes of the Regular Meeting on May 1, 2018

- 2b Fundraising Authorization
- 2c Personnel Report
- 2d Purchase Orders
- 2e Consultant/Contract Agreement Schedule
- 2f Conference/Workshop Schedule
- 3. M18-205 - Item 3. The motion was made by Patricia K. Shaw seconded by Steve DeMarzio and carried 4/0 to approve the Board's Self Evaluation.

XVII. PERSONNEL

- 4. M18-206 - Item 4. The motion was made by Patricia K. Shaw seconded by Jennifer Navarro and carried 4/0 to approve the Classified Retirement Resolutions:
 - 18-66, Janet Brown
 - 18-67, Rhonda Caudillo
 - 18-68, Russell Reitz
 - 18-69, Mary Anne Seher
 - 18-70, Cynthia Vidinha
 - 18-71, Frank Word
 - 18-72, Vickie Wyatt
- 5. M18-207 - Item 5. The motion was made by Jennifer Navarro seconded by Patricia K. Shaw and carried 4/0 to approve Resolution 18-73, Classified Employees Week.
- 6. M18-208 - Item 6. The motion was made by Patricia K. Shaw seconded by Jennifer Navarro and carried 4/0 to approve Resolutions 18-74 & 18-75, Recognition of Classified Employees of the Year
- 7. M18-209 - Item 7. The motion was made by Patricia K. Shaw seconded by Jennifer Navarro and carried 4/0 to approve Resolution 18-76, Recognition of Playground Supervisor/Crossing Guard Employee of the Year.
- 8. M18-210 - Item 8. The motion was made by Patricia K. Shaw seconded by Jennifer Navarro and carried 4/0 to approve Memorandum of Understanding 18-06, between Westside Union School District and Westside Union Teachers Association: Instructional Leaders

XVIII. BUSINESS

- 9. M18-211 - Item 9. The motion was made by Jennifer Navarro seconded by Patricia K. Shaw and carried 4/0 to approve the second and final reading of the revised Board Policy 3100, Budget
- 10. M18-212 - Item 10. The motion was made by Jennifer Navarro seconded by Patricia K. Shaw and carried 4/0 to approve Resolution 18-77, Continuing Public Hearing on Proposed Community Facilities District 2018-1

XIX. NEW BUSINESS
School Site Safety

XX. UNFINISHED BUSINESS
None

- XXI. M18-213 - The motion was made by Patricia K. Shaw seconded by Jennifer Navarro and carried 4/0 to adjourn to closed session at 8:51 p.m. to consider:
 - a. Conference with Labor Negotiators (Gov't Code §54957.6)

Minutes

Regular Board Meeting

May 15, 2018

- b. Existing/Anticipated/Pending Litigation (Gov't Code §54956.9)
- c. Conference with Real Property Negotiator
- d. Public Employee Discipline/Dismissal/Release/Appointment Unrepresented Management (Gov't Code §54957)
- e. Pupil Personnel (Ed Code 35146 and 48918)

XXII. RECONVENE TO OPEN SESSION at 9:16 p.m.

XXIII. CLOSED SESSION ACTION

None

XXIV. ADJOURNMENT – The meeting was adjourned at 9:17 p.m. by the Board President.

Linda Jones, Clerk

June 5, 2018

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Regina L. Rossall, Superintendent

SUBJECT: Fund Raiser Approval List

BACKGROUND:

Attached for review and approval by the Board are individual requests from school organizations for fund raising activities. Each is presented on the District's pre-approved form.

PROGRAM/EDUCATIONAL IMPLICATION:

Funds raised as a result of the activities benefit the individual schools as described in each form.

COST ANALYSIS/FUNDING SOURCE:

Approval of these activities increases the funding available for the affected schools as noted on each form.

SUPERINTENDENT'S RECOMMENDATION:

Approval

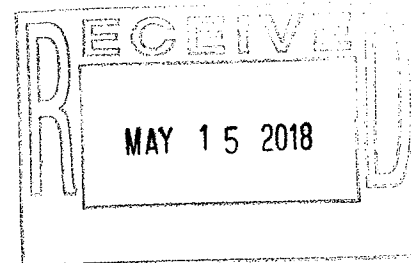
FUND RAISER APPROVAL LIST

Approved at the Board Meeting of June 5, 2018

Cottonwood

Description: Walk-A-thon
Date: May 25, 2018
Purpose: To raise funds for PTA sponsored programs
Requesting Group: Cottonwood PTA

Westside Union School District
41914 50th Street West
Quartz Hill, CA. 93536
(661) 722-0716 FAX: (661) 206-3645



FUND RAISING AUTHORIZATION
Elementary School

School IDEA Academy @ Cottonwood Date 5/15/18
Requesting Group: ☒ PTA ☐ PTO ☐ PTSA
Date(s) of Fund Raiser 5/25/18 Event Start Time 4:30 pm
Location of Fund Raiser School play ground
Description of Fund Raiser walk - A Thug - Superhero theme
Purpose of the Fund Raiser Raise funds for PTA sponsored programs.
For the benefit of (be specific) Students @ Cottonwood.
Person Supervising Fund Raiser PTA President Martha Blanco
Person Responsible for the Money Constanza Fernandez - Secretary
Projected Expenses \$ 300 Projected Profit \$ 2000 -

The food sales shall not impair students' participation in the District's Food Service program (BP3554).
Sanitary and safety procedures shall comply with the State and County Uniform Retail Food Facilities Law. Home-baked goods may not be sold. (BB3554, CDRFPL 113700.11-4155, AR3554)
Food sales will not begin until after the close of the regularly scheduled midday food service period. (Code of Regulations, Title 5 15500, Ed Code 51520)
Organizations are encouraged to select items of good nutritional quality (BP3554)
The food item being sold cannot be an item sold in the food service program at that school during that school day. (Code of Regulations, Title 5)

Signature of PTA/PTO/PTSA President [Signature] Date 5/15/18

Signature of Principal or Assistant [Signature] Date 5/15/18
I affirm that I have read and understand the District Wellness Policy and that the activity approved above is not in violation of that policy.

Approved by the Board of Trustees on _____

Note - Edible items that do not comply with the District's Wellness Policy may be sold to students a half an hour after the end of the school day.

WESTSIDE UNION SCHOOL DISTRICT
BOARD AGENDA
June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Robert Hughes, Deputy Superintendent

SUBJECT: Personnel Report #18-20

BACKGROUND: The Board is requested to approve/ratify the following personnel Recommendations:

MANAGEMENT

<u>Employment</u>	<u>Position/Location/Effective Date/Salary/Funding/Req. #</u>
Karamooz, Michelle	Counselor/Step 1/ESF/July 1, 2018/URGF

CERTIFICATED

<u>Employment</u>	
Baldwin, Lucinda	Teacher/Column I Step 1/July 1, 2018/URGF
Grundy, Miriam	Coach Advisor-PAL/GA/Stipend/2017-2018/URGF/Req# 15463
Holmes, Jordon	Teacher/Column I Step 1/July 1, 2018/URGF
Kelly, Rochelle	Teacher/Column I Step 1/July 1, 2018/URGF
Langness, Deborah	Teacher/Column I Step 1/July 1, 2018/URGF
Lilly, Katherine	Teacher/Column I Step 1/July 1, 2018/URGF
Loebs, Loretta	Teacher/Column I Step 1/July 1, 2018/URGF
McKim, Nancy	Coach Advisor-Cross Country/VV/Stipend/2017-2018/Req# 14747
Sill, Austin	Teacher/Column I Step 1/July 1, 2018/URGF
Smith, Venessa	Teacher/Column I Step 1/July 1, 2018/URGF

Suttle, Ashley Teacher/Column I, Step 1/July 1, 2018/URGF

Wilson, Megan Teacher/Column I Step 1/July 1, 2018/URGF

Zavala, Jenna Teacher/Column I Step 1/July 1, 2018/URGF

Change Position/Location/Effective Date/Salary/Funding/Req. #

Leaves Position/Location/Effective Date

Separation Position/Location/Effective Date
Sherry, Paula Substitute Teacher/April 18, 2018/Deceased

CLASSIFIED

Employment Position/Location/Effective Date/Salary/Funding/Req.#
Acevedo, Violet Crossing Guard/RV/.58 hrs/per/day/Step 1/February 21, 2018/
URGF/Req# 15172

Acosta, Amanda Rae Instructional Assistant II/QH/2.5 hrs/per/day/Step 1/May 14, 2018/
SDC/Req# 15305

Berumen-McGilbray, Delia Extra-Duty Instructional Assistant II/ESF/Not to Exceed 5 hrs/per/day/
Step 1/April 14, 2018/Sup Grant/Req# 15327

Betancourt, Natasha Extra-Duty Instructional Assistant I/JW/Not to Exceed 2 hrs/per/day/
Step 1/May 7, 2018/Sup Grant-AVID/Req# 15369

Betancourt, Natasha Extra-Duty Instructional Assistant I/JW/2.5 hrs/per/day/Step 1/
May 18, 2018/Sup Grant/Req# 15442

Billmire, Christina Instructional Assistant II/LV/3.5 hrs/per/day/Step 1/May 14, 2018/
SDC/Req# 15071

Bobola, Michael Instructional Assistant II/SD/3.5 hrs/per/day/Step 1/May 14, 2018/
SDC/Req# 15430

Castellanos, Samantha Short-Term Instructional Assistant I-Tutor/DS/1.25 hrs/per/day/Step 3/
Mondays-April 23-May 21, 2018/Title I/Req# 15372

Cons, Taylor	Short-Term Instructional Assistant II/SD/2.5 hrs/per/day/Step 4/ April 20-June 7, 2018/SDC/Req# 15375
Cousin, Linda	Short-Term Instructional Assistant I/LV/3.5 hrs/per/day/Step 1/ April 18-June 6, 2018/URGF/Req# 15381
Densing, Calista	Extra-Duty Playground Supervisor/QH/3 hrs/per/day/Wed. only/ January 17-May 30, 2018/Sup Grant/Req# 14984
Dowd, America	Out-of-Class Clerk I/DS/2 hrs/per/day/5% out of class May 4-June 14, 2018/URGF/Req# 15404
Espinoza, Rocio	Instructional Assistant II/SD/3.5 hrs/per/day/Step 1/May 29, 2018/ SDC/Req# 15316
Estava, Stefani	Extra-Duty Instructional Assistant I-AVID/ESF/Not to Exceed 6 hrs/per/day/Step 2/April 30-May 1, 2018/Sup Grant/Req# 15400
Garcia, Moises	Extra-Duty Instructional Assistant II/RV/2.5 hrs/per/day/Step 1/ April 26-May 3, 2018/Title III/Req# 15418
Gracia, Claudia	Short-Term Instructional Assistant I/LV/2.75 hrs/per/day/Step 1/ April 18-June 7, 2018/URGF/Req# 15382
Harrell, Barron	Instructional Assistant II/HV/4 hrs/per/day/Step 4/May 22, 2018/ SDC/Req# 15443
Heater, Vonnie	Short-Term Clerk I/DS/5 hrs/per/day/Step 5/May 4-June 8, 2018/ URGF/Req# 15403
Jones, Aracely	Crossing Guard/SD/.5 hrs/per/day/Step 1/May 7, 2018/ URGF/Req# 15284
King, Tanesha	Instructional Assistant II/GA/3 hrs/per/day/Step 1/May 21, 2018/ SDC/Req# 15301
Macias, Ivette	Extra-Duty Instructional Assistant II/RV/1 hr/per/day/Step 1/ May 2-June 1, 2018/SDC/Req# 15401
Maguellal, Alysia	Short-Term Instructional Assistant I/AH/1.25 hrs/per/day/Step 1/ April 30-June 7, 2018/Site Title I/Req# 15428
Marshall, Lashanaie	Playground Supervisor/JW/1.75 hrs/per/day/Step 1/May 16, 2018/ URGF/Req# 15331

Martin, Dina	Playground Supervisor/GA/.33 hrs/per/day/Step 6/May 8, 2018/ URGF/Req# 15429
Martinez, Kelly	Extra-Duty Instructional Assistant II/ESF/Not to Exceed 5 hrs/per/day/ Step 6/April 14, 2018/Sup Grant/Req# 15327
Martinez, Vanessa	Instructional Assistant II/VV/3 hrs/per/day/Step 1/May 14, 2018/ SDC/Req# 15397
Meadows, Corrine	Short-Term Instructional Assistant II/SD/3 hrs/per/day/Step 2/ April 20-June 7, 2018/SDC/Req# 15376
Munoz, Cindy	Extra-Duty Instructional Assistant II/RV/2.5 hrs/per/day/Step 4/ April 26-May 3, 2018/Title III/Req# 15418
Palacious, Stephanie	Extra-Duty Instructional Assistant I-AVID/ESF/Not to Exceed 6 hrs/per/day/Step 1/April 30-May 1, 2018/Sup Grant/Req# 15400
Reina, Vanessa	Extra-Duty Instructional Assistant II/ESF/Not to Exceed 5 hrs/per/day/ Step 4/April 14, 2018/Sup Grant/Req# 15327
Rodriguez, Stephanie	Extra-Duty Instructional Assistant I/JW/Not to Exceed 2 hrs/per/day/ Step 1/May 7, 2018/Sup Grant-AVID/Req# 15369
Rodriguez, Stephanie	Extra-Duty Instructional Assistant I-AVID/ESF/Not to Exceed 6 hrs/per/day/Step 1/April 30-May 1, 2018/Sup Grant/Req# 15400
Rodriguez, Stephanie	Extra-Duty Instructional Assistant I/JW/2.5 hrs/per/day/Step 1/ May 18, 2018/Sup Grant/Req# 15442
Sanchez-Vasquez, Medora	Instructional Assistant II/CW/3.42 hrs/per/day/Step 1/May 7, 2018/ SDC/Req# 15165
Santiago, Jocelyn	Extra-Duty Instructional Assistant I/JW/Not to Exceed 2 hrs/per/day/ Step 2/May 7, 2018/Sup Grant-AVID/Req# 15369
Santiago, Jocelyn	Extra-Duty Instructional Assistant I/JW/2.5 hrs/per/day/Step 2/ May 18, 2018/Sup Grant/Req# 15442
Santiago, Jocelyn	Extra-Duty Instructional Assistant I/JW/Not to Exceed 7.5 hrs/per/day/ Step 2/May 22, 2018/Sup Grant-AVID/Req# 15354
Sisson, Tammie	Extra-Duty Instructional Assistant I-AVID/ESF/Not to Exceed 6 hrs/per/day/Step 1/April 30-May 1, 2018/Sup Grant/Req# 15400

Srivastava, Parul	Short-Term Instructional Assistant II/RV/3 hrs/per/day/Step 1/ May 1-June 7, 2018/SDC/Req# 15395
Srivastava, Parul	Short-Term Instructional Assistant II/RV/3 hrs/per/day/Step 1/ March 1-April 30, 2018/SDC/Req# 15231
Vallejos, Hannah	Playground Supervisor/VV/1.83 hrs/per/day/Step 1/May 14, 2018/ URGF/Req# 15393
Vallejos, Hannah	Crossing Guard/VV/.5 hrs/per/day/Step 1/May 14, 2018/ URGF/Req# 15393
Villa, Mary	Short-Term Instructional Assistant II/AH/3 hrs/per/day/Step 2/ April 20-June 7, 2018/SDC/Req# 15380
Walker, Brittany	Extra-Duty Instructional Assistant I-AVID/ESF/Not to Exceed 6 hrs/per/day/Step 1/April 30-May 1, 2018/Sup Grant/Req# 15400
Wygant, Heather	Campus Climate Assistant/SD/3 hrs/per/day/Step 1/May 1, 2018/ URGF/Req# 15323
<u>Change</u> Jones, Tonya	<u>Position/Location/Effective Date/Salary/Funding/Req. #</u> Playground Supervisor (1.75 hrs/per/day) to <u>(2.25 hrs/per/day)</u> /HV/Step 1/ May 14, 2018/Req# 15458
Munguia-Moreno,	Playground Supervisor (2.25 hrs/per/day) to (2.5 hrs/per/day)/HV/Step 1/ May 9, 2018/URGF/Req# 15392
Romero, Irza	Playground Supervisor (1.83 hrs/per/day) to <u>(2.25 hrs/per/day)</u> /RV/ Step 1/May 1, 2018/URGF/Req# 15394
Wood, Leesa	Playground Supervisor (2.5 hrs/per/day) to <u>(2.75 hrs/per/day)</u> /JW/ Step 6/April 2, 2018/URGF/Req# 15379
Wygant, Heather	Playground Supervisor (3.3 hrs/per/day) to <u>(.92 hrs/per/day)</u> /SD/Step 1/ May 1, 2018/URGF/Req# 15323
<u>Leaves</u>	<u>Position/Location/Effective Date/</u>
<u>Separation</u> Avendano, Brienne	<u>Position/Location/Effective Date/</u> Child Nutrition Assistant I/CN/May 22, 2018/Probationary Release
Cons, Gregory	Instructional Assistant I-AVID/JW/May 4, 2018/Resignation

Mata, Matthew	Instructional Assistant II/GAA/May 7, 2018/Resignation
Olivas, Diana	Playground Supervisor/SD/May 4, 2018/Resignation
Powell, Gabrielle	Crossing Guard/EZ/January 26, 2018/Resignation

DEPUTY SUPERINTENDENT RECOMMENDATION:

Approval

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Terri Rowitz, Accountant on behalf of Jeri Holmes, Purchasing

SUBJECT: Purchase Order Approval List

BACKGROUND:

Purchase orders are submitted for pre-approval if the purchase is over \$7,500. Purchase orders are submitted for ratification for items under \$7,500 per the adopted policy. Items that have already been approved by virtue of individual board action/direction are also included on the ratification list, even if their value is over \$7,500

PROGRAM/EDUCATIONAL IMPLICATION:

None

COST ANALYSIS/FUNDING SOURCE:

With approval of this action, the Board authorizes expenditures of:

Approval Items:

All Funds	55,071.15
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Ratification Items:

General Fund (01.0)	24,464.67
Child Nutrition Fund (13.0)	0.00
Deferred Maintenance Fund (14.0)	0.00
Building Fund: Bonds (21.0)	0.00
Capital Facilities Fund (25.0)	0.00
County Facilities Fund (35.0)	0.00
Anaverde Settlement (40.0)	0.00
CFD's (49.0)	0.00

Total	79,535.82
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ASSISTANT SUPERINTENDENT ADMINISTRATIVE SERVICES RECOMMENDATION:

Approval

PURCHASE ORDERS

Approved/Ratified at the Meeting of June 5, 2018

PO's for Board Approval (note: General Fund (01.0) moneys unless otherwise noted)

<u>P.O. #</u>	<u>Vendor/Location</u>	<u>Description/Funding Source Detail</u>	<u>Amount</u>
P53360	AVSTA All Sites	Field Trip Transportation March 1-15, 2018 Reimbursable, Supplemental Grant DS & SD Local Site Funds <i>Note: PO released to facilitate payment of services already received</i>	8,204.26
P53375	Really Good Stuff Educational Services	Instructional Materials Title III <i>Note: PO released to facilitate payment of services already received</i>	9,767.40
P53376	AVSTA All Sites	Field Trip Transportation April 16-30, 2018 Reimbursable, Supplemental Grant, LV Local Site Funds <i>Note: PO released to facilitate payment of services already received</i>	12,099.49
P53400	Palmdale School District Educational Services	Credential Program, S. Cusack, T. Valenzuela, A. Penaloza, E. Belcher, and S. Borg-Otting Title II	25,000.00
Total			55,071.15

PO's for Board Ratification

<u>P.O. #</u>	<u>Vendor/Location</u>	<u>Description/Funding Source Detail</u>	<u>Amount</u>
P53332	Tel Pro Voice and Data Inc	Neenach Point to Point for Network Connection Sales Tax Change Order 1	543.15
P53364	Business Services Amazon Cottonwood	Technology Maintenance Instructional Materials Title I	273.89
P53377	Amazon Business Services	Rocketbooks and pens Maintenance	278.11
P53388	Southwest School Supply Student Support Services	Open PO for ESY 17-18 School Year Special Education	300.00
P53391	Amazon Joe Walker	Chromebook Screen Local Site Funds	37.83
P53392	American School Counselor Assoc Educational Services	Membership Fee Supplemental Grant	1,042.00
P53393	Amazon Student Support Services	Pediatric Weighted Spoon Special Education	22.74
P53394	Amazon Student Support Services	Heavy Duty Screen Protector Special Education	35.49
P53396	Amazon Student Support Services	Otter Box for iPad Special Education	60.59
P53397	Amazon Student Support Services	iPad case Special Education	61.31
P53399	Amerimac Valley View	Duplicating Machine Local Site Funds	4,265.03
M20721	Autozone Various Sites	Maintenance Supplies - April Operations	107.90
M20722	Consolidated Electric Various Sites	Electrical Supplies - April Maintenance	2,044.61
M20724	Desert Lock Company Various Sites	Key and Lock Supplies Maintenance	769.37
M20725	DeWolfe Lumber Various Sites	Maintenance Supplies - April Maintenance	30.52
M20726	Fastenal Industrial Various Sites	Custodial Supplies - April Operations	195.31
M20728	Ferguson HVAC Air Cold Maintenance	HVAC Supplies - April Maintenance	70.33
M20729	Home Depot	Maintenance Supplies - April	1,019.38

M20731	Various Sites Lancaster Plumbing	Maintenance /Operations Plumbing Supplies - April	518.62
M20732	Various Sites Lowes	Maintenance Maintenance Supplies - April	567.32
M20734	Various Sites Omega Maintenance	Maintenance Maintenance Supplies - April	157.68
M20735	Various Sites PPG Paint	Maintenance Paint Supplies - April	317.43
M20737	Various Sites Smith Pipe and Supply	Maintenance Landscape Supplies - April	1,052.82
M20738	Various Sites United Refrigeration	Operations HVAC Supplies - April	952.77
M20739	Various Sites US Air Conditioning	Maintenance HVAC Supplies - April	23.05
M20740	Del Sur Van Dam Farms	Maintenance Maintenance Supplies - April	224.91
M20741	Various Sites Waxie Sanitary Supply	Operations Maintenance Supplies - April	261.16
M20742	Maintenance Westside Equipment Rentals	Maintenance Equipment Rentals - April	20.00
M20765	Maintenance B&M Lawn And Garden	Maintenance Equipment Repair Parts	178.95
M20767	Maintenance Amazon.com	Operations A-Frame Coupler	51.05
M20775	Maintenance Valley Construction Supply	Maintenance Sawzall Blades	60.12
M20776	Maintenance B&M Lawn And Garden	Maintenance Equipment Repair Parts	78.24
M20778	Maintenance Universal Electronic Alarms	Operations 12V Batteries	120.00
M20811	Maintenance Bob HowleAutomotive	Maintenance Repairs - Truck 69	123.70
M20813	Maintenance Bob Howle Automotive	Operations Repairs - Truck 80	1,796.21
M20814	Maintenance Patton Sales	Operations Handrail Supplies	116.77
M20816	Maintenance Cottonwood	Maintenance Plumbing Repairs - April	1,033.07
M20817	Del Sur Eagle Access Control Systems	Maintenance Diamond Control Board Repairs	62.00
M20819	Maintenance Interstate Batteries	Maintenance Atore Lift Battery	96.31
M20821	Maintenance DRC Pump Systems	Operations Rebuild Stacker Pump	4,689.07
M20824	Del Sur Tire Xpress	Maintenance Flat Tire Repair for Various Tires	62.00
M20825	Maintenance Bob Howle Automotive	Maintenance Repair - Truck 74	309.88
M20827	Maintenance D & V Test Only	Operations Smog Testing -Truck 73	50.00
M20832	Maintenance Westside Body and Paint	Maintenance Repairs - Truck 84	183.98
M20835	Maintenance Fire Ace	Maintenance Fire Pump System Repair	200.00
	Del Sur	Maintenance	

Total 24,464.67

CHILD NUTRITION (13)

DEFERRED MAINTENANCE (14)

BUILDING FUND: BONDS (21)

CAPITAL FACILITIES (25)

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Paula Sterk on behalf of Jeri Holmes, Purchasing

SUBJECT: Consultant/Contract Agreement Schedule

BACKGROUND:

Consultant agreements and contracts are brought to the Board in accordance with Board Policy 3312 for various purposes including student assemblies, in-house staff workshops, and vendor provided services.

PROGRAM/EDUCATIONAL IMPLICATION:

These Consultant Agreements and Contracts provide support to the District's Educational Program.

COST ANALYSIS/FUNDING SOURCE:

With approval of this action, the Board authorizes expenditures and incoming funds of:

Student Assemblies	0.00
In-house Staff/Parent Workshops	0.00
Vendor Provided Services	517158.52
Rental/Lease Contracts	0.00
Total	<u>517158.52</u>

Incoming Funds	<i>0.00</i>
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ASSISTANT SUPERINTENDENT, ADMINISTRATIVE SERVICES RECOMMENDATION:

Approval

CONSULTANT/CONTRACT AGREEMENT SCHEDULE

Ratified/Approved at the Board Meeting of June 5, 2018

<u>Dates</u>	<u>Name/School Site</u>	<u>Description/Funding Source</u>	<u>Cost</u>	<u>Income</u>
Summer 2018	A-G Sod Farms Inc Cottonwood	Cottonwood Field - Ballpark Mix and Installation Ongoing & Major Maintenance (RMA)	30,112.50	
Summer 2018	Digital Networks Group Inc Anaverde	Projector Project Technology Maintenance	37,382.87	
Summer 2018	Elite Modular Leasing And Sales Inc Joe Walker	Relocation for (3) 24x40 Classrooms Developer Fees (Fund 25)	42,150.00	
Summer 2018	Elite Modular Leasing And Sales Inc Esperanza	Relocation for (3) 24x40 Classrooms Developer Fees (Fund 25)	51,450.00	
2017-2018	Horizon Software Child Nutrition	Solana Student Services Bundle Restricted - Child Nutrition	15,575.00	
2018-2019	Inclusive Educ. And Community Partnership Student Support Services	Behavioral Consultation And Therapy for Students Special Education	90,000.00	
2018-2019	Jostens Hillview	Yearbook Agreement Local Site Funds	TBD	
2018-2019	Jostens Del Sur	Elementary Yearbook Agreement Local Site Funds	TBD	
2017-2018	Karen F. Schnee MA Student Support Services	Speech And Language IEE Assessment of Student Special Education	4,000.00	
Summer 2018	STP Design Build Inc Joe Walker	Concrete - (3) New 24x40 Classrooms Developer Fees (Fund 25)	33,379.27	
Summer 2018	STP Design Build Inc Esperanza	Concrete - (2) New 24x40 Classrooms Developer Fees (Fund 25)	11,798.69	
Summer 2018	States Welding Quartz Hill	Slope Area Ongoing & Major Maintenance (RMA)	16,500.00	
Summer 2018	Tel Pro Voice And Data Inc Joe Walker	Structured Cabling for (3) Relo Classrooms Developer Fees (Fund 25)	14,158.54	
Summer 2018	Tel Pro Voice And Data Inc Esperanza	Structured Cabling for (3) Relo Classrooms Developer Fees (Fund 25)	13,359.61	
Summer 2018	Tel Pro Voice And Data Inc Esperanza	Extron/Projector Systems Developer Fees (Fund 25)	28,416.34	
2017-2018	The Listening Connection LLC Student Support Services	Auditory Services for Student for ESY Services Special Education	1,200.00	
Summer 2018	Universal Electronic Alarms Inc Joe Walker	Modular Additions - Fire Alarm System Developer Fees (Fund 25)	24,950.00	
Summer 2018	Wire Rite Inc Joe Walker	Relocation for (3) 24x40 Classrooms Developer Fees (Fund 25)	28,865.00	
Summer 2018	Wire Rite Inc Esperanza	Relocation for (3) 24x40 Classrooms Developer Fees (Fund 25)	40,861.00	
<u>Change</u> <u>2017-2018</u>	Lozano Smith District	Legal Services Changes: Increase General Matters General Fund	35,000.00	
<u>2017-2018</u>	Lozano Smith District	Legal Services Changes: Increase Debt Financing General Fund	1,000.00	
<u>2017-2018</u>	Lozano Smith District	Legal Services Changes: Decrease Construction Matters General Fund	-3,000.00	

			Total	517,158.82	0.00
Individual Services Agreements					
<i>These individual service agreements fall under previously Board approved Master Contracts. All agreements are funded through Special Education general funds.</i>					
<u>Nonpublic School/Agency</u>			<u>Service</u>		<u>Student ID</u>
None					

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES
PREPARED BY: Jeri Holmes, Purchasing
SUBJECT: Conference/Workshop Schedule

BACKGROUND:

Conference requests are processed in compliance with Board Policy 3350.

PROGRAM/EDUCATIONAL IMPLICATION:

On-going staff development is a key to the success of the District's programs.

COST ANALYSIS/FUNDING SOURCE:

With approval of this action, the Board authorizes expenditures of \$13,953.92

ASSISTANT SUPERINTENDENT ADMINISTRATIVE SERVICES RECOMMENDATION:

Approval

CONFERENCE/WORKSHOP SCHEDULE
Ratified/Approved at the Board Meeting of

<u>Dates/Location</u>	<u>Title/Attendees/Funding Location</u>	<u>Fund. Source</u>	<u>Registration</u>	<u>Lodging</u>	<u>Meals</u>	<u>Mileage</u>	<u>Parking</u>	<u>Subs</u>	<u>Other</u>
June 20, 21, 2018 Bakersfield	ARC Flash Electrical Safety NFPA 70E William Hernandez Maintenance and Operations		0.00	118.92	55.00	0.00	0.00	0.00	0.00
	Ongoing & Major Maintenance (RMA)								
July 24-26, 2018 San Antonio, TX	Professional Learning Communities at Work Institute Tim Barker, Erin Belcher, Cathy Bennett, Amy Brouwer, Kristin Kruizinga Educational Services		3,445.00	0.00	0.00	0.00	0.00	0.00	0.00
	Supplemental Grant								
August 14-16, 2018 Seattle, WA	Professional Learning Communities at Work Institute Antoinette Griffin, Laura Duran, Jacob Briggs, Andrea Paxton, Nicole Hernandez Educational Services		3,445.00	0.00	0.00	0.00	0.00	0.00	0.00
	Supplemental Grant								
September 19-21, 2018 Long Beach	Professional Learning Communities at Work Institute Rebecca Davis, Shelly Dearing, Shannon Rossall, Raina Smith, Jessica Kott Educational Services		3,445.00	0.00	0.00	0.00	0.00	0.00	0.00
	Supplemental Grant								
October 08-10, 2018 Salt Lake City, UT	Professional Learning Communities at Work Institute Kristin Gellinck-Frye, Sylvia Borg-Otting, Scott Cusak, Steve Wood, Sandy Jones Educational Services		3,445.00	0.00	0.00	0.00	0.00	0.00	0.00
	Supplemental Grant								
Changes	No Changes								
	Subtotals		13,780.00	118.92	55.00	0.00	0.00	0.00	0.00
	Grand Total		13,953.92						

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Terri Rowitz, Accountant on behalf of Jeri Holmes, Purchasing

SUBJECT: Obsolete Item Disposal List

BACKGROUND:

Equipment Items:

In accordance with Education Code 17546 sections (a) and (c) the governing board may deem that property not exceeding \$2,500.00 in value is of insufficient value to defray the costs of arranging an auction sale and may be disposed of in the local public dump.

For safety and liability reasons, equipment items deemed obsolete or non-repairable by the Board of Trustees will not be made available to employees or other individuals or organizations.

Instructional Materials:

In accordance with Education Code 60510 the governing board may deem that instructional materials are surplus and/or obsolete. These materials may be donated or sold according to sections (a) through (e).

PROGRAM/EDUCATIONAL IMPLICATION:

None

COST ANALYSIS/FUNDING SOURCE:

The current estimated market value of items on the attached list has been deemed by authorized District personnel to be under \$2,500.00. Due to limited staff and storage space, it is more cost effective for the District to dispose of unusable items on a regular basis rather than accumulate items for auction.

ASSISTANT SUPERINTENDENT ADMINISTRATIVE SERVICES RECOMMENDATION:

Approval

EQUIPMENT DISPOSAL LIST
Board Meeting of June 5, 2018

<u>EQUIPMENT/SERIAL #</u>	<u>DESCRIPTION</u>	<u>SITE</u>	<u>DISPOSAL REASON</u>
13452	12x60 Dept. of Housing Modular Building	Del Sur	Building no longer acceptable to have students in them
13453	12x60 Dept. of Housing Modular Building	Del Sur	Building no longer acceptable to have students in them

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Regina L. Rossall, Superintendent

SUBJECT: Discussion Items:

- Board Governance

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Marguerite Johnson, Assistant Superintendent Educational Services

SUBJECT: Site Plans for Hillview, Joe Walker and Quartz Hill

BACKGROUND:

Throughout the year, our schools look in depth at student achievement. As a result of that focus on student achievement, School Site Councils utilize that information to assist in the development of the school plan or Single Plan for Student Achievement (SPSA), which incorporates student improvement goals with a spending plan. Development of a Single Plan for Student Achievement is required by the Every Student Succeeds Act (ESSA) for all schools that receive Title I funding. School Site Council members have also been working to align each site SPSA's with the district's Local Control and Accountability Plan.

PROGRAM/EDUCATIONAL IMPLICATION:

:

The sites' Single Plans reflect:

- Alignment with the District's areas of instructional focus including:
 - Critical reading and writing in and across all content areas
 - Inquiry grounded in evidence from text and other sources
 - Rigor and real-world application in all content areas
 - Integration of technology by teachers and students through lesson presentations and student products
- Alignment with the district's Local Control and Accountability Plan (LCAP)
- Support for English Learners, foster youth, and academically at-risk students
- Intervention plans for those students at risk of not meeting grade level expectations

COST ANALYSIS:

These plans contain the spending plans for each of the school sites, and will be balanced to the income received.

ASSISTANT SUPERINTENDENT EDUCATIONAL SERVICES RECOMMENDATION:

Approval

SEPARATE ATTACHMENT

Site Plans:
Hillview
Joe Walker
Quartz Hill

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Marguerite Johnson, Assistant Superintendent Educational Services

SUBJECT: MOU 18-07, Antelope Valley Migrant Education Migrant Education Program Consortium

BACKGROUND:

The Antelope Valley Migrant Education Migrant Education Program Consortium was formed to coordinate the delivery of supplemental Migrant Education Program services to migrant students and their families. Member districts of the Consortium include Acton-Agua Dulce Unified School District, Eastside, Hughes-Elizabeth Lakes, Keppel, Lancaster, Palmdale, Wilsona, the Antelope Valley High School and Westside. Collaboration between the districts maximizes the delivery of supplemental services by using existing human and fiscal resources. The Antelope Valley Union High School District is the lead district. The agreement is effective for the period beginning July 1, 2018 and ending June 30, 2019.

PROGRAM/EDUCATIONAL IMPLICATION:

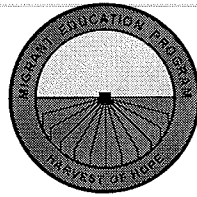
Participating districts are part of the Antelope Valley Curriculum Articulation Council which facilitates the articulation planning, delivery, and evaluation of the supplemental Migrant Education Program services.

COST ANALYSIS/FUNDING SOURCE:

Supplemental Migrant Education Program monies throughout the boundaries of participating districts are pooled. Participating school districts operating a Migrant Education Program budget operate their budgets based on approval from the Program director via a reimbursement process. Westside does not operate a separate Migrant Education Program budget at this time.

ASSISTANT SUPERINTENDENT EDUCATIONAL SERVICES RECOMMENDATION:

Approval



**MIGRANT EDUCATION PROGRAM – REGION 10
ANTELOPE VALLEY MIGRANT EDUCATION CONSORTIUM
MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (MOU) sets forth the terms and understanding between the following nine districts:

1. Acton-Agua-Dulce Unified School District
2. Antelope Valley Union High School District
3. Eastside Union School District
4. Hughes-Elizabeth Lakes Union School District
5. Keppel Union School District
6. Lancaster School District
7. Palmdale School District
8. Westside Union School District
9. Wilsona School District

These districts will, hereafter be referred to as “Antelope Valley Migrant Education Program Consortium (AVMEPC)”.

The purpose of this agreement is to form a consortium to coordinate the Migrant Education Program (MEP) services, within the boundaries of the above-mentioned districts and with the approval of the Los Angeles County Office of Education (LACOE), Migrant Education Program, Region 10 and as identified in the annual approved Consortium District Service Agreement (DSA).

Migrant Education is a federally funded program, authorized under Title 1 Part C of Every Student Succeeds Act.

Effective Dates: **July 1, 2018 through June 30, 2019**

1.) This agreement will remain in effect for one year. Any district that chooses to terminate this agreement must communicate the request in writing to the Consortium Coordinator one fiscal year in advance.

~~1-2.)~~ The Antelope Valley Union High School District will continue as the Administrative Agent (hereafter referred to as the “Lead District”), for the duration of this agreement.

The Consortium Districts agree to the following terms:

1. The following positions are necessary to operate the MEP:

Consortium Coordinator - 45% (0.45 FTE)

Bilingual Secretary - 55% (0.55 FTE)

Identification and Recruitment (I&R) Staff:

- Lancaster School District – (1) Migrant Program Technician (Recruiter) 12 months 8 hours: 100% (1.0 FTE)
- Palmdale School District – (1) Parent/Community Liaison (Recruiter) 12 months 8 hours: 50% (0.5 FTE)

These positions will be funded by the MEP. The Consortium will hire these MEP employees who will be housed at the Lead District MEP office for the purpose of fulfilling their FTE assignments. These positions may be filled by current employees of participating districts and who will remain employees of the hiring districts for purposes of payment of salaries and benefits, thereby safeguarding tenure.

The Lead District will be responsible for the recruitment of a MEP Consortium Coordinator with the participation of consortium districts in the process, before final selection is made.

2. The MEP staff will be under the policies and guidelines of the Lead District's School Board of Trustees with the understanding that they will comply with each participating district's program protocol for the purposes of carrying out MEP responsibilities.
3. All MEP employees will be under the supervision and guidance of the Consortium Coordinator. The Coordinator will determine the duties and work schedules of part-time employees.
4. The MEP staff will have access to confidential information and files of MEP participants across participating school districts.
5. Under the direction of the Consortium Coordinator, the I&R staff will carry out I&R activities of all families living within the consortium boundaries.
6. Transportation of students and families across district boundaries to access MEP Consortium services.
7. All Consortium districts will each sign their Legal Assurances and Certifications for Local Educational Agencies and adhere to all of the requirements contained in this document.

The Consortium Districts, further agree:

1. To be responsible for initial payment of salaries and benefits for employees contracted by that district in accordance with the hours and rate of pay specified in the approved Consortium DSA.
2. To allow the Lead District to administer the Consortium budget, reimbursing participating districts on a quarterly basis for approved expenditures identified in the approved Consortium DSA.
3. To submit monthly expenditure invoices by the 10th day of each month.
4. To submit the final invoice for the fiscal year, no later than July 10th.
5. That the Consortium DSA will be amended for employee salary changes during the MEP Budget Amendment/Revision cycles.
6. That they will not be reimbursed for unapproved costs incurred or costs exceeding those amounts identified in the approved Consortium DSA and budget.
7. That District Representatives and the MEP Consortium Coordinator will meet quarterly to plan, implement and evaluate program services.
8. That ongoing communication will occur on an "as needed" basis.

The Lead District will:

1. Reimburse the hiring districts for salary and benefits of the positions identified in the approved Consortium DSA.
2. Reimburse districts, in a timely manner, upon receipt of the reimbursed funds issued by the MEP Regional Office.

The Consortium Administrator will:

1. Develop and write one joint Consortium DSA and budget, in collaboration with all stakeholders
2. Provide oversight and be responsible for the implementation of all MEP services identified in the approved Consortium DSA.
3. Provide to each participating district a copy of the approved Consortium DSA and budget.
4. Make program and budget revisions/amendments, as necessary, during the fiscal year with the approval of the MEP Regional Office.
5. Provide each participating district with a budget schedule of approved expenditures for the fiscal year.
 - a) Be responsible for establishing a Consortium Parent Advisory Council (PAC) with the representation of parents from across the nine participating school districts. The PAC will be actively involved in the following, in accordance with EC 54444.2, EC 54444.4 and 20 USC 6394{c}{3}{A}{B}:
 - b) Establish goals, objectives, and priorities of the Migrant Education Program;
 - c) Review annual needs assessments; program activities for each school, and individualized education programs;
 - d) Advise on the selection, development, and reassignment of migrant education program staff; and participate in the planning and negotiating of program applications and service agreements;
 - e) Hold a minimum of six (6) Consortium PAC meetings per year.

In accordance with the provisions of Section 895.4 of the Government Code of the State of California, each party hereto agrees to indemnify and hold the other party harmless from all liability for damage, actual or alleged, to persons or property arising out of or resulting from negligent acts or omissions of the indemnifying party.

Any district may request changes to this MOU. Any changes, modifications, revisions, or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated in writing and effective when executed and signed by all parties to this MOU.

In witness hereto, the parties to this MOU through their duly authorized representatives have executed this MOU on the days and dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MOU as set forth herein.

The effective date of this MOU is the date of the signature last affixed below.

AVMEPC Consortium District Superintendents:

Acton-Agua Dulce SD
District

Lawrence M. King
Print Name

Signature

Date

Antelope Valley UHSD
District

Dr. David J. Vierra
Print Name

Signature

Date

Eastside USD
District

Dr. Joshua L. Lightle
Print Name

Signature

Date

Hughes-Elizabeth Lakes USD
District

Dr. Lori Slaven
Print Name

Signature

Date

Keppel USD
District

Dr. Ruben Zepeda II
Print Name

Signature

Date

Lancaster SD
District

Dr. Michele Bowers
Print Name

Signature

Date

Palmdale SD
District

Raul Maldonado
Print Name

Signature

Date

Westside USD
District

Regina Rossall
Print Name

Signature

Date

Wilsonga SD
District

Teresa A. Grey
Print Name

Signature

Date

AVMEPC Consortium PAC Representative

Print Name

Signature

Date

LACOE Migrant Education Program Administrator

Guadalupe Mendoza
Project Director III

Signature

Date

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Marguerite Johnson, Assistant Superintendent, Educational Services

SUBJECT: Revised Board Policy/Administrative Regulation- First Reading

BACKGROUND:

This is the first reading of the policy.

PROGRAM/EDUCATIONAL IMPLICATION:

Board Policy 6154 – Homework/Makeup Work- Replace

The policy has been revised to align with the district's transition to standards-based grading.

Administrative Regulation 6154- Homework/Makeup Work- Delete

COST ANALYSIS/FUNDING SOURCE:

There are no costs associated with updating these policies and administrative regulations.

ASSISTANT SUPERINTENDENT EDUCATIONAL SERVICES RECOMMENDATION:

Approval

Westside Union School District

Board Policy - Replace

Homework/Makeup Work

Instruction

BP 6154(a)

The Board of Trustees recognizes that meaningful homework assignments can be a valuable addition to student learning time and assist students in developing good study habits. Homework shall be assigned as necessary in order to meet the needs of the individual student. Homework shall be considered as extensions and enrichment of the regular classroom instructional program. Homework may be designed for students to research and explore essential concepts, share and discuss ideas, review and summarize materials studied, become acquainted with community resources, organize the thoughts and thinking processes of pupils in preparation for classroom activities, and make up incomplete course or subject assignments.

The Superintendent or designee shall collaborate with school administrators and teachers to develop and regularly review guidelines for the assignment of homework and the related responsibilities of students, staff, and parents/guardians.

(cf. 6011 - Academic Standards)

As needed, teachers may receive training in designing relevant homework assignments that reinforce classroom learning objectives.

(cf. 4131 - Staff Development)

Although on-time completion of homework is important to maintain academic progress, the Board recognizes that students learn at different rates. Students may receive credit for work that is completed late in order to encourage their continued learning.

Age-appropriate instruction may be given to help students allocate their time wisely, meet their deadlines, and develop good personal study habits.

At the beginning of the school year, teachers shall communicate homework expectations to students and their parents/guardians. Homework guidelines also shall be included in student and/or parent handbooks. These communications shall include the manner in which homework relates to achievement of academic standards and course content, the impact of homework assignments on students' grades, any school resources and programs that are available to provide homework support, and ways in which parents/guardians may appropriately assist their children.

Although it is the student's responsibility to undertake assignments independently, parents/guardians may serve as a resource and are encouraged to ensure that their child's homework assignments are completed. When a student repeatedly struggles to complete his/her homework, communication between the parent and teacher should take place as soon as possible so that appropriate measures can be taken to ensure the success of the student.

(cf. 5020 - Parent Rights and Responsibilities)
(cf. 6020 - Parent Involvement)

To further support students' homework efforts, the Superintendent or designee may establish and maintain telephone help lines, provide access to school library media centers and technological resources, and/or provide before-school and after-school programs where students can receive homework assistance from teachers, volunteers, and/or student tutors.

(cf. 1240 - Volunteer Assistance)
(cf. 1700 - Relations between Private Industry and the Schools)
(cf. 3541 - Transportation Routes and Services)
(cf. 5148 - Child Care and Development)
(cf. 5148.2 - Before/After School Programs)
(cf. 6112 - School Day)
(cf. 6142.4 - Service Learning/Community Service Classes)
(cf. 6163.1 - Library Media Centers)

Teachers shall review all completed homework to assess the student's understanding of academic content and shall provide timely feedback to the student.

Makeup Work

Students who miss school work shall be given the opportunity to complete all assignments and activities that can be reasonably provided. As determined by the teacher, the assignments and activities shall be reasonably equivalent to, but not necessarily identical to, the assignments and activities missed during the absence. Students will be assessed on academic content missed during the absence within a reasonable period of time.

(cf. 5113 - Absences and Excuses)

The Superintendent or designee shall notify parents/guardians that no student may have his/her grade reduced or lose academic credit for any excused absence when missed assignments and assessments are satisfactorily completed within a reasonable period of time. Such notification shall include the full text of Education Code 48205. (Education Code 48980)

(cf. 5121 - Grades/Evaluation of Student Achievement)
(cf. 5145.6 - Parental Notifications)

The teacher of any class from which a student is suspended may require the student to complete any assignments and assessments missed during the suspension. (Education Code 48913)

(cf. 5144.1 - Suspension and Expulsion/Due Process)

Legal Reference:

EDUCATION CODE

8420-8428 21st Century High School After School Safety and Enrichment for Teens

8482-8484.65 After School Education and Safety Program

8484.7-8484.9 21st Century Community Learning Centers

48205 Absences for personal reasons

48913 Completion of work missed by suspended student

48980 Parental notifications

UNITED STATES CODE, TITLE 20

7171-7176 21st Century Community Learning Centers

Management Resources:

CSBA PUBLICATIONS

Research-Supported Strategies to Improve the Accuracy and Fairness of Grades, Governance Brief, July 2016

WEB SITES

CSBA: <http://www.csba.org>

California State PTA: <http://www.capta.org>

(2/97 2/99) 12/16

Westside Union SD

Administrative Regulation - Delete

Homework/Makeup Work

Instruction

AR 6154(a)

District Homework Plan

Homework is a teacher-planned, learning activity which takes place largely outside of a student's regular school hours. As such, homework should reinforce classroom learning and expand on a student's school experiences.

Homework assignments are to be specific and related to classroom objectives. The amount of homework assigned, its complexity and scope, and even the grading of homework should be related to the needs and abilities of the individual students.

The principal is responsible for the coordination of homework assignments at the school site so that the intent of all regulations for homework is met.

Homework Guidelines

Homework assignments shall reflect all major areas of the class curriculum throughout the academic year and shall be meaningful, high quality tasks.

Homework assignments may include: reinforcement of skills taught in class, extensions of class learning, enrichment activities and special research projects, drill and memorization (e.g., vocabulary words, spelling, math facts, poems), composition writing, review and study for tests, book reports, remedial work or recreational reading.

Homework shall not involve new skills/concepts.

Homework shall not be given for disciplinary measures. However, unfinished class work may be assigned as homework when a student has failed to complete assignments due to poor work habits (not because he/she is a slow worker or learner).

Expected Amounts of Homework

1. General homework will be assigned daily Monday - Thursday as follows:
 - a. Kindergarten-approximately 15 minutes
 - b. Grades 1-3 -approximately 30 minutes

- c. Grades 4-5 - approximately 50 minutes
 - d. Grades 6-8 - approximately 75 minutes per day
 - e. Enrichment/Honors classes such as band, algebra, foreign language, GATE may exceed the above mentioned limits. Students and their parents/guardians should be made aware of this expectation prior to enrolling in this class.
2. Long term homework such as book reports, projects or class reports may continue over several weeks. When assigned, time frames should be set which do not require that the homework be solely completed over a vacation period.

Teacher Guidelines

In assigning homework, teachers shall:

- 1. Inform students and parents/guardians of the classroom homework policy, including positive and negative consequences.
- 2. Present, explain and clarify the homework assignment with students at the time assignments are made.
- 3. Use positive incentives to encourage task completion.
- 4. Check, evaluate and return written assignments to students in a timely manner.
- 5. Notify parents/guardians of students who consistently fail to complete assignments or to return classroom materials.
- 6. Give a separate homework grade on the report card reflecting student's consistency and effort in fulfilling homework responsibility.
- 7. Give assignments during the class period, making sure that the materials to be covered and objectives have been fully explained.
- 8. Be sure that completed homework assignments are evaluated and graded promptly and are returned to the student.
- 9. Remember that assignments which call for initiative and imagination help to develop student creative abilities.

Parent/Guardian Guidelines

Homework time should involve positive interaction between the parent/guardian and child.

Parents/guardians are encouraged to:

1. Provide a quiet, comfortable, well-lit place for the child to work.
4. Take an active part in the education of their child by guiding the development of independent learning skills (e.g. monitoring, helping prepare for tests, drilling math facts, reading to or with child).
5. Sign completed homework when appropriate.
6. Talk with teachers if assignments seem to be causing students continued problems.

Student Guidelines

Homework is an opportunity for students to show their capabilities and to further their educational growth. Teachers can provide assignments; parents/guardians can provide good study conditions and encouragement; but it is the student who must do the work.

To do a good job in homework, students should:

1. Listen carefully to all directions and explanations about homework.
2. Ask questions if the assignment is not clear.
3. Keep a good notebook record of all assignments, including due dates and other specific requirements.
4. Have a definite time and place for study, free from interruptions and with appropriate working materials on hand.
5. Budget time wisely and maintain a schedule of study time.
6. Begin assignments promptly and turn in assignments when they are due.
7. Make use of such resources as libraries, dictionaries, maps, general reference materials and the questioning of people who are authorities or who are experienced in various fields.
8. Take the initiative in making up any work that is missed.
9. The student should always use his/her own words in homework assignments.

School-Site Homework Plan

The principal and staff at each school shall develop and regularly review a school-site homework plan which includes guidelines for the assignment of homework and describes the

responsibilities of students, staff and parents/guardians. The plan shall identify all of the following:

1. For each grade level, the amount of time that students shall be expected to spend on homework
2. For each grade level, the extent to which homework assignments shall systematically involve participation by parents/guardians
3. The means by which parents/guardians shall be informed about:
 - a. Homework expectations
 - b. How homework relates to the student's grades
 - c. How best to help their children
4. Techniques that will be taught to help students allocate their time wisely, meet their deadlines and develop good personal study habits
5. The access that students shall have to obtain:
 - a. Resource materials from the library media center
 - b. Assistance and/or tutoring through telephone help lines and/or after-school centers
6. The means by which teachers shall coordinate assignments so that students do not receive an overload of homework one day and very little the next
7. For each grade level, the extent to which homework assignments shall emphasize independent research, reports, special reading and problem-solving activities

Makeup Work

The Superintendent or designee shall notify parents/guardians that no student may have his/her grade reduced or lose academic credit for any excused absence when missed assignments and tests are satisfactorily completed within a reasonable period of time. Such notification shall include the full text of Education Code 48205. (Education Code 48980)

(cf. 5121 - Grades/Evaluation of Student Achievement)

(cf. 5145.6 - Parental Notifications)

The teacher of any class from which a student is suspended may require the student to complete any assignments and tests missed during the suspension. (Education Code 48913)

(cf. 5144.1 - Suspension and Expulsion/Due Process)

Regulation WESTSIDE UNION SCHOOL DISTRICT
approved: July 11, 2000 Lancaster, California

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES
PREPARED BY: Robert Hughes, Deputy Superintendent
SUBJECT: Provisional Intern Permit

BACKGROUND:

Provisional Intern Permits are designed to allow employing agencies to hire qualified individuals to fill a position for which they have not yet completed a credential program. Provisional Intern Permits are issued in 1 year periods and require adequate progress toward the requirements for admittance into a university internship for renewal.

PROGRAM/EDUCATIONAL IMPLICATION:

The Provisional Intern Permit allows for utilization and retention of qualified candidates who have yet to start or complete the appropriate credential program.

COST ANALYSIS/FUNDING SOURCE:

Not applicable

DEPUTY SUPERINTENDENT'S RECOMMENDATION:

Approval

Teacher Assignments Authorized by Provisional Intern Permit

Allington, Katherine	100% Multiple Subject
Cowan, Enjoli	100% Multiple Subject
Holmes, Jordon	100% Multiple Subject
Kraus, Miranda	100% Education Specialist Mild/Mod
Sill, Austin	100% Single Subject Language Arts
Suttle, Ashley	100% Education Specialist Mild/Mod
Wilson, Megan	100% Multiple Subject

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES
PREPARED BY: Robert Hughes, Deputy Superintendent
SUBJECT: Short Term Staff Permit

BACKGROUND:

Provisional Intern Permits are designed to allow employing agencies to hire qualified individuals to fill a position for which they have not yet completed a credential program. Provisional Intern Permits are issued in 1 year periods and require adequate progress toward the requirements for admittance into a university internship for renewal.

PROGRAM/EDUCATIONAL IMPLICATION:

The Provisional Intern Permit allows for utilization and retention of qualified candidates who have yet to start or complete the appropriate credential program.

COST ANALYSIS/FUNDING SOURCE:

Not applicable

DEPUTY SUPERINTENDENT'S RECOMMENDATION:

Approval

Teacher Assignments Authorized by Short Term Staff Permit

Breschi, Shawnte	100% Education Specialist Mild/Mod
Iribarren, Jessica	100% Multiple Subject
Matthews, Ashley	100% Multiple Subject

BOARD AGENDA

June 5, 2018

TO: Board of Trustees

PREPARED BY: Shawn Cabey, Assistant Superintendent Administrative Services

SUBJECT: Formation of Community Facilities District 2018-1
Resolutions 18-79 – 18-83

BACKGROUND:

Six items are before the Board for action tonight with regard to the formation of Westside Union School District Community Facilities District No. 2018-1 with Improvement Area Nos. 1 and 2 to mitigate school facility impacts by a residential development proposed by STG Montecito West, LLC.

STG is the owner of approximately 35 undeveloped acres in the City of Lancaster on which it plans to construct approximately 147 single family homes. The development will create a need for additional District facilities. The development will also create a need for certain facilities of County Sanitation District No. 14 and the Antelope Valley Union High School District.

The District and prior owner of the STG property previously entered into a mitigation agreement, dated September 18, 2007, to mitigate the impact of then planned development. Based on that prior agreement, the District formed CFD 2007-1, with improvement areas A, B and C. No bonds have been issued in CFD 2007-1.

Since the formation of CFD No. 2007-1, home prices within the Antelope Valley have decreased making the level of property taxes within CFD No. 2007-1 undesirable to potential homebuyers. As a result, STG (Now the owner of property within CFD No. 2007-1 Improvement Areas A and C) desires to enter into this amended mitigation agreement to restructure the special tax obligation on the STG property. Under the amended agreement, a new CFD will be formed on the STG property, and CFD 2007-1 would be removed as to the STG property. CFD 2007-1 would remain in place as to Improvement Area B.

Prior Actions

At its April 3, 2018 meeting, the Board approved the following items: (1) an Amended Mitigation Agreement; (2) a Resolution of Intent to Form the CFD; (3) a Resolution of Intent to Incur Debt within the CFD; and (4) a Resolution Approving the CFD's Boundaries. Those actions established a date for a required public hearing on the formation of the CFD for the Board's May 15, 2018 meeting. However, based on changes the developer sought to make to the improvement areas within the CFD, the public hearing and related actions were continued to the June 5, 2018 meeting.

June 5 Meeting Items

Tonight's items are required to complete the formation of the CFD.

- 9 - Item 1. Resolution 18-79, Approving Amended Boundary Map: this action is necessary to effect the developer's desire to reconfigure the property within the respective improvement areas.
- Item 2. Public Hearing: a Public Hearing must be held on the proposed formation, including the proposed levy of special taxes and all other matters discussed in the Resolution of Intention adopted at the April 3 meeting.
- 9a - Item 3. Resolution 18-80, of Formation: the Board is to consider adopting the Resolution of Formation to validate prior actions taken at the April 3 meeting and take the necessary actions to form the CFD.
- 9b - Item 4. Resolution 18-81, to Incur Debt: the Board is determining the need to issue debt within the CFD and call an election of the voters within the CFD to approve the levy of a tax to fund the debt. Here, the election will be a special tax election for the developer/landowner to authorize the CFD to issue bonds not to exceed \$10,000,000, aggregate, and \$5,000,000.00 in each improvement area, respectively, to finance the school and other public facilities.
- 9c - Item 5. Resolution 18-82, Canvassing Election Results: The Board must confirm the holding of the election and certify the number of votes cast to form the CFD.
- 9d - Item 6. Resolution 18-83, First Read of Ordinance: The Board must adopt an ordinance authorizing the levy of the special taxes within each improvement area of the CFD. The rate of the special taxes will be set each year based on the formulas set forth in the Amended Rate and Method of Apportionment of Special Taxes. A second and final reading will occur at a subsequent meeting.

PROGRAM/EDUCATIONAL IMPLICATION:

The formation of CFD No. 2018-1 will provide funding above the District's current Level II developer fees, which will assist with the impact on the District's facilities from STG's proposed development.

COST ANALYSIS/FUNDING SOURCE:

Owner has agreed to make deposits to the District to pay all costs associated with the formation of CFD No. 2018-1. These deposits will be repaid to Owner if and when bonds are sold by CFD No. 2018-1. Once CFD No. 2018-1 is formed any ordinary and necessary administrative expenses will be funded with a portion of the special taxes of the CFD.

ASSISTANT SUPERINTENDENT ADMINISTRATION SERVICES RECOMMENDATION:

The Assistant Superintendent recommends the approval of the amended mitigation agreement and adoption of the related resolutions as a necessary step to establish CFD No. 2018-1, as a financing mechanism to mitigate the development's impact to school facilities.

RESOLUTION NO. 18-79

RESOLUTION APPROVING AMENDED BOUNDARY MAP FOR WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, AND IMPROVEMENT AREA NOS. 1 AND 2 THEREIN

WHEREAS, the Board of Trustees ("Board") of the Westside Union School District ("District") has previously adopted its Resolution No. 18-44 stating its intention to form Westside Union School District Community Facilities District No. 2018-1 and designate Improvement Area No. 1 and Improvement Area No. 2 therein; and

WHEREAS, the Board has previously adopted its Resolution No. 18-46 approving a map entitled "BOUNDARY MAP, COMMUNITY FACILITIES DISTRICT NO. 2018-1, WESTSIDE UNION SCHOOL DISTRICT, LOS ANGELES COUNTY, STATE OF CALIFORNIA," setting forth the boundary area of the proposed community facilities district and improvement areas therein (the "Proposed Boundary Map"), which Proposed Boundary Map was then filed with the County Recorder of the County of Los Angeles on April 16, 2018 as Instrument No. 20180363099; and

WHEREAS, following the Board's adoption of Resolution Nos. 18-44 and 18-46, the sole landowner within Improvement Area Nos. 1 and 2 requested that the proposed boundaries of the Improvement Areas be modified to include in Improvement Area No. 1 nine (9) lots that were previously proposed to be included in Improvement Area No. 2, which revised boundaries are reflected in the amended CFD boundary map attached hereto as Exhibit "A" (the "Amended CFD Boundary Map").

NOW, THEREFORE, THE BOARD OF TRUSTEES DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:

1. The Board approves the Amended CFD Boundary Map and adopts the boundaries shown on the Amended CFD Boundary Map as describing the extent of the territory included in proposed Westside Union School District Community Facilities District No. 2018-1, with Improvement Area Nos. 1 and 2.

2. The Board finds that the Amended CFD Boundary Map is in the form and contains the matters prescribed by Section 3110 of the California Streets and Highways Code.

3. The Board directs the Clerk to certify the adoption of this Resolution on the face of the Amended CFD Boundary Map, and to file a copy of the Amended CFD Boundary Map with the County Recorder of the County of Los Angeles for placement in the Book of Maps of Assessment and Community Facilities Districts no later than 15 days after adoption of the Resolution of Formation of the Community Facilities District.

ADOPTED by the Board of Trustees of the Westside Union School District at a duly called and noticed meeting, of which the public was provided due notice, and at which a quorum of said Board were in attendance, conducted in Quartz Hill, California, on the 5th day of June, 2018 by the following vote.

AYES: _____

ABSENT: _____

NAYS: _____

ABSTAIN: _____

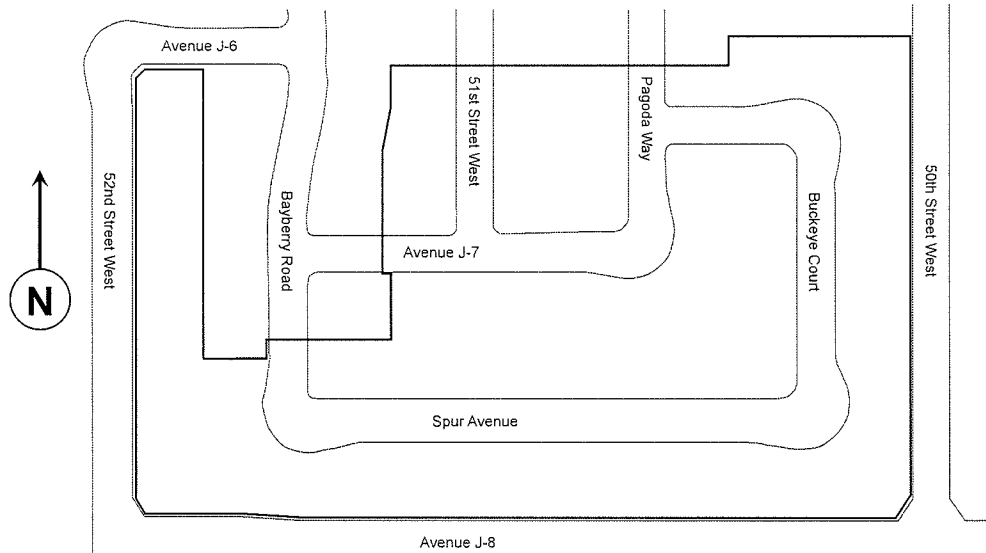
John Curiel
President, Board of Trustees
Westside Union School District

ATTEST:


Linda Jones
Clerk, Board of Trustees
Westside Union School District

SHEET 1 OF 3

AMENDED BOUNDARY MAP OF
COMMUNITY FACILITIES DISTRICT NO. 2018-1
WESTSIDE UNION SCHOOL DISTRICT
LOS ANGELES COUNTY
STATE OF CALIFORNIA



LEGEND

 Boundaries of Improvement Area 1
of Community Facilities District

Prepared by:
California Financial Services

(1) Filed in the office of the Clerk of the Board of Trustees of the Westside Union School District this ____ day of ____, 20__

_____, Clerk of the Board of Trustees
Westside Union School District

(2) I hereby certify that the within map showing the amended boundaries of to the Community Facilities District No. 2018-1 of the Westside Union School District, Los Angeles County, State of California, was approved by the Board of Trustees of the Westside Union School District at the regular meeting thereof, held on this ____ day of ____, 20__ by its Resolution No. _____

_____, Clerk of the Board of Trustees
Westside Union School District

(3) THIS MAP HAS BEEN FILED AT THE REQUEST OF WESTSIDE UNION SCHOOL DISTRICT, THIS ____ DAY OF ____, 20__, AT ____ .M. IN BOOK ____, AT PAGE (S) ____ OF ASSESSMENT MAPS.

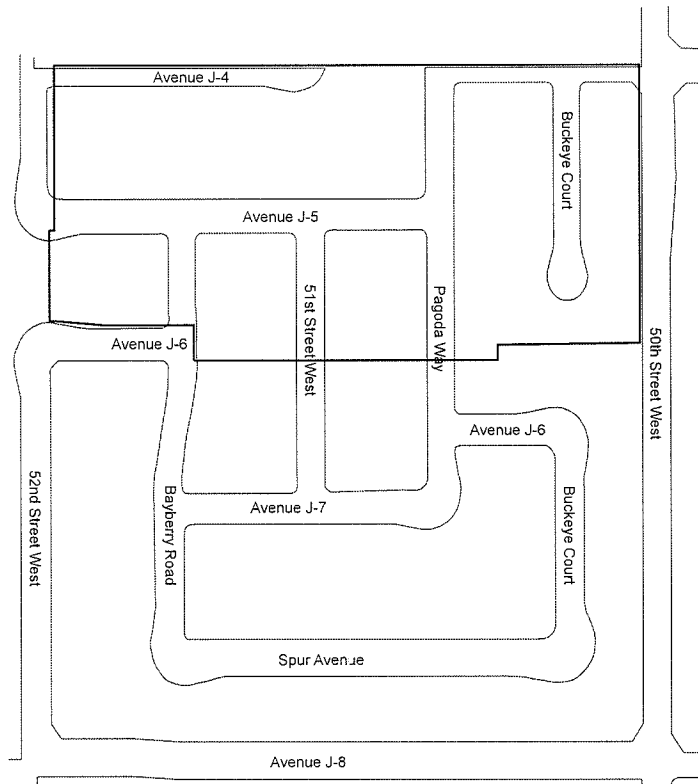
LOS ANGELES COUNTY
REGISTRAR — RECORDER

BY: _____
DEPUTY RECORDER


Reference is hereby made to the Assessor maps of the County of Los Angeles for an exact description of the lines and dimensions of each lot and parcel.

SHEET 2 OF 3

AMENDED BOUNDARY MAP OF
COMMUNITY FACILITIES DISTRICT NO. 2018-1
WESTSIDE UNION SCHOOL DISTRICT
LOS ANGELES COUNTY
STATE OF CALIFORNIA



LEGEND

 Boundaries of Improvement Area 2
of Community Facilities District

Reference is hereby made to the Assessor maps of the
County of Los Angeles for an exact description of the
lines and dimensions of each lot and parcel.

AMENDED BOUNDARY MAP OF
COMMUNITY FACILITIES DISTRICT NO. 2018-1
WESTSIDE UNION SCHOOL DISTRICT
LOS ANGELES COUNTY
STATE OF CALIFORNIA

LEGAL DESCRIPTION OF IMPROVEMENT AREAS
(Assessor's Parcel Numbers)

IMPROVEMENT AREA 1

3203-061-088	3203-061-043	3203-061-071
3203-061-003	3203-061-044	3203-061-072
3203-061-015	3203-061-045	3203-061-073
3203-061-016	3203-061-046	3203-061-074
3203-061-017	3203-061-047	3203-061-089
3203-061-018	3203-061-048	3203-061-075
3203-061-019	3203-061-049	3203-061-076
3203-061-020	3203-061-050	3203-061-077
3203-061-021	3203-061-051	3203-061-078
3203-061-022	3203-061-052	3203-061-079
3203-061-023	3203-061-053	3203-061-080
3203-061-024	3203-061-054	3203-061-081
3203-061-025	3203-061-055	3203-061-082
3203-061-026	3203-061-056	3203-061-083
3203-061-027	3203-061-057	
3203-061-028	3203-061-058	
3203-061-029	3203-061-059	
3203-061-030	3203-061-060	
3203-061-031	3203-061-061	
3203-061-032	3203-061-062	
3203-061-033	3203-061-063	
3203-061-034	3203-061-064	
3203-061-035	3203-061-065	
3203-061-036	3203-061-066	
3203-061-039	3203-061-067	
3203-061-040	3203-061-068	
3203-061-041	3203-061-069	
3203-061-042	3203-061-070	

IMPROVEMENT AREA 2

3203-062-001	3203-062-029	3203-062-057
3203-062-002	3203-062-030	3203-062-058
3203-062-003	3203-062-031	3203-062-059
3203-062-004	3203-062-032	3203-062-060
3203-062-005	3203-062-033	3203-062-061
3203-062-006	3203-062-034	3203-062-062
3203-062-007	3203-062-035	3203-062-063
3203-062-008	3203-062-036	3203-062-064
3203-062-009	3203-062-037	3203-062-065
3203-062-010	3203-062-038	3203-062-066
3203-062-011	3203-062-039	3203-062-067
3203-062-012	3203-062-040	3203-062-068
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3203-062-016	3203-062-044	
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3203-062-023	3203-062-051	
3203-062-024	3203-062-052	
3203-062-025	3203-062-053	
3203-062-026	3203-062-054	
3203-062-027	3203-062-055	
3203-062-028	3203-062-056	

RESOLUTION NO. 18-80

RESOLUTION OF FORMATION OF THE BOARD OF TRUSTEES OF THE WESTSIDE UNION SCHOOL DISTRICT ESTABLISHING WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, WITH IMPROVEMENT AREA NOS. 1 AND 2

WHEREAS, the Board of Trustees ("Board") of the Westside Union School District ("District") has adopted Resolution No. 18-44 ("Resolution of Intention") stating its intention to form Westside Union School District Community Facilities District No. 2018-1 ("CFD") and designate Improvement Area Nos. 1 and 2 therein (each, an "Improvement Area" and, collectively, the "Improvement Areas") pursuant to the Mello-Roos Community Facilities Act of 1982, as amended ("Act"); and

WHEREAS, a copy of the Resolution of Intention incorporating a description and map of the proposed boundaries of the CFD and Improvement Areas, and setting forth the rate and method of apportionment for each Improvement Area (each, a "Special Tax Formula") and manner of collection of the special tax to be levied within each Improvement Area, which will be used to finance District facilities, facilities of the Antelope Valley Union High School District ("AVUHSD"), and facilities of County Sanitation District No. 14 of Los Angeles County ("Sanitation District") with an estimated useful life of five years or longer necessary to meet increased demands placed upon the District, AVUHSD and the Sanitation District (collectively "Facilities") as a result of anticipated development within the proposed CFD, is on file with the Clerk of the Board and incorporated herein by reference; and

WHEREAS, following the adoption of the Resolution of Intention, the sole landowner within the Improvement Areas requested that the proposed boundaries of the Improvement Areas be modified to include in Improvement Area No. 1 nine (9) lots that were previously proposed to be included in Improvement Area No. 2, which revised boundaries are reflected in the amended CFD boundary map, attached hereto as Exhibit A (the "Amended CFD Boundary Map") and which Amended CFD Boundary Map has been approved pursuant to the Board's adoption of Resolution No. 18-____; and

WHEREAS, as a result of the proposed change in the boundaries of the Improvement Areas, the amount of "Minimum Taxable Acreage" stated in the rate and method of apportionment for each Improvement Area had to be revised, which revision is reflected in the Rate and Method of Apportionment of Special Taxes of Improvement Area No. 1 attached hereto as Exhibit B (the "Amended IA No. 1 Rate and Method") and the Rate and Method of Apportionment of Special Taxes of Improvement Area No. 2 attached hereto as Exhibit C (the "Amended IA No. 2 Rate and Method"); and

WHEREAS, the property to be included in the CFD is currently within the boundaries of Improvement Areas A and C of Community Facilities District No. 2007-1 of the Westside Union School District (the "Prior CFD"), and it is the intention of the Board that, upon the completion of the formation of the CFD and Improvement Area Nos. 1 and 2 therein, such property shall be removed from the Prior CFD and any and all obligation to pay the special tax within the Prior CFD shall be released and the lien created by the Prior CFD shall be extinguished; and

WHEREAS, in accordance with the Act, the Board held a public hearing on June 5, 2018 on the formation of the CFD and the Improvement Areas, the levy of special taxes within the Improvement Areas in accordance with Amended IA No. 1 Rate and Method and the Amended IA No. 2 Rate and Method and the incurring bonded indebtedness with respect to the CFD and the Improvement Areas; and

WHEREAS, prior to the hearing, a report prepared by Key Analytics ("CFD Report") was filed with the Board, containing the Amended CFD Boundary Map, a description of the Facilities, and description of the special taxes of each Improvement Area pursuant to the Amended IA No. 1 Rate and Method and the Amended IA No. 2 Rate and Method, and an estimate of the costs of the Facilities and incidental expenses to be financed by the CFD; and

WHEREAS, the CFD Report has been reviewed by the Board and is incorporated herein and made a part of the record of the public hearing; and

WHEREAS, at the hearing, all persons desiring to be heard on matters pertaining to the CFD formation were heard and a full and fair hearing was held.

NOW, THEREFORE, THE BOARD OF TRUSTEES OF THE WESTSIDE UNION SCHOOL DISTRICT, ACTING AS THE LEGISLATIVE BODY OF WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:

1. Pursuant to Government Code section 53325.1(b), the Board finds and determines that the proceedings prior hereto were valid and in conformity with the requirements of the Act.
2. Written protests against the establishment of the CFD and the Improvement Areas, or against the Facilities or the levying of a special tax within each Improvement Area, have not been filed by fifty percent (50%) or more of the registered voters or property owners of one-half (1/2) or more of the area of land within either Improvement Area.
3. A community facilities district to be designated "Westside Union School District Community Facilities District No. 2018-1", and Improvement Area Nos. 1 and 2 therein, is hereby established.
4. The description and map of the boundaries of the CFD and each Improvement Area on file in the Clerk's office and as described in the Amended CFD Boundary Map attached hereto as Exhibit A and incorporated herein by reference, shall be the boundaries of the CFD and each Improvement Area.
5. The Facilities proposed to be financed by the CFD include but are not limited to the financing, acquisition, renovation, modernization and/or construction of public schools and Sanitation District facilities with an estimated useful life of five (5) years or more which the CFD or a public agency is authorized by law to contribute revenue to or to construct, own or operate, and which are necessary to meet present or increased demand upon the District, AVUHSD, and the Sanitation District as a result of development or rehabilitation occurring

within the boundaries of the proposed CFD, including all permissible related incidental expenses. Such Facilities need not be physically located within the CFD.

6. Except where funds are otherwise available, it is the intention of the Board to levy annually a special tax ("Special Tax") within each Improvement Area pursuant to the Amended IA No. 1 Rate and Method and Amended IA No. 2 Rate and Method, respectively, that is sufficient to pay for the costs of financing the acquisition and/or construction of the Facilities, including the principal of and interest on the bonds proposed to be issued to finance the Facilities and other periodic costs, lease payments, installment purchase payments or other payments, the establishment and replenishment of reserve funds, the remarketing, credit enhancement and liquidity fees, the costs of administering the levy and collection of the Special Tax and all other costs of the levy of the Special Tax and issuance of the bonds, including any foreclosure proceedings, architectural, engineering, inspection, legal, fiscal, and financial consultant fees, discount fees, interest on bonds due and payable prior to the expiration of one year from the date of completion of facilities (but not to exceed two years), election costs and all costs of issuance of the bonds, including, but not limited to, fees for bond counsel, disclosure counsel, financing consultants and printing costs, and all other administrative costs of the tax levy and bond issue. The Special Tax of each Improvement Area will be secured by recordation of a continuing lien against all non-exempt real property in the Improvement Area. In the first year in which such a Special Tax is levied, the levy shall include a sum sufficient to repay to the District all amounts, if any, transferred to the CFD pursuant to Section 53314 of the Act and interest thereon. The schedule of the rate and method of apportionment and manner of collection of the Special Tax in Improvement Area No. 1 and Improvement Area No. 2, respectively, are described in detail in Exhibit B and Exhibit C, respectively, attached hereto.

The Special Tax is apportioned to each parcel on the foregoing basis pursuant to Section 53325.3 of the Act. In the event that a portion of the property within an Improvement Area shall become for any reason exempt, wholly or partially, from the levy of the Special Tax, the Board shall, on behalf of the CFD, increase the levy to the extent necessary upon the remaining property within the Improvement Area which is not delinquent or exempt in order to yield the required payments, subject to the maximum Special Tax. Under no circumstances, however, shall the Special Tax levied in any fiscal year against any parcel used for private residential purposes in any fiscal year be increased as a consequence of delinquency or default by the owners of any other parcels or parcels within the Improvement Area by more than 10 percent above the amount that would have been levied in that fiscal year had there never been any such delinquencies or defaults. Furthermore, the maximum Special Tax authorized to be levied against any parcel used for private residential purposes shall not be increased over time in excess of 2 percent (2.0%) per year.

7. Upon recordation of a Notice of Special Tax Lien pursuant to Streets and Highways Code section 3114.5, a continuing lien to secure each levy of the Special Tax shall attach to all non-exempt real property in each Improvement Area, and this lien shall continue in force and effect until the Special Tax obligation is prepaid or otherwise permanently satisfied and the lien canceled in accordance with law or until collection of the Special Tax by the CFD within the Improvement Area ceases.

8. Pursuant to Government Code section 50075.1, the Board hereby establishes the following accountability measures pertaining to the levy by the CFD of the Special Tax in each Improvement Area:

A. Such Special Tax shall be levied for the specific purposes set forth herein.

B. The proceeds of the levy of such Special Tax shall be applied only to the specific purposes set forth herein.

C. The CFD shall establish an account or accounts into which the proceeds of such Special Tax shall be deposited.

D. The Superintendent, or designee, acting for and on behalf of the CFD, shall annually file a report with the Board as required by Government Code section 50075.3.

9. The Superintendent or his/her designee is designated to be responsible for preparing or causing to be prepared annually a current roll of the Special Tax levy obligations by assessor's parcel number and for estimating future Special Tax levies pursuant to Government Code section 53340.1.

10. The voting procedure with respect to the imposition of the Special Tax within each Improvement Area, incurring bonded indebtedness for the CFD and each Improvement Area and establishing an appropriations limit of the CFD shall be by a mailed-ballot election, which may, in the alternative, be provided electronically, by overnight delivery service or delivered by hand.

11. The District may accept advances of funds from any source, including private persons or private entities, and is authorized and directed to use such funds for any authorized purpose, including any costs incurred by the District in creating the CFD. The District may enter into an agreement to repay all of such funds as are not expended or committed for any authorized purpose at the time of the election on the levy of the Special Tax, if the proposal to levy such tax should fail, and to repay from proceeds of the levy of the Special Tax all of such funds advanced if the levy of the Special Tax shall be approved by the qualified electors of the CFD.

12. The Clerk is directed to certify and attest to this Resolution and to take any and all necessary acts to call, hold, canvass and certify an election or elections within each Improvement Area on incurring bonded indebtedness, levying the Special Tax, and establishing the appropriations limit.

PASSED AND ADOPTED by the Board of Trustees of the Westside Union School District on the 5th day June, 2018, by the following vote:

AYES: _____

ABSENT: _____

NAYS: _____

ABSTAIN: _____

John Curiel
President, Board of Trustees
Westside Union School District

ATTEST:

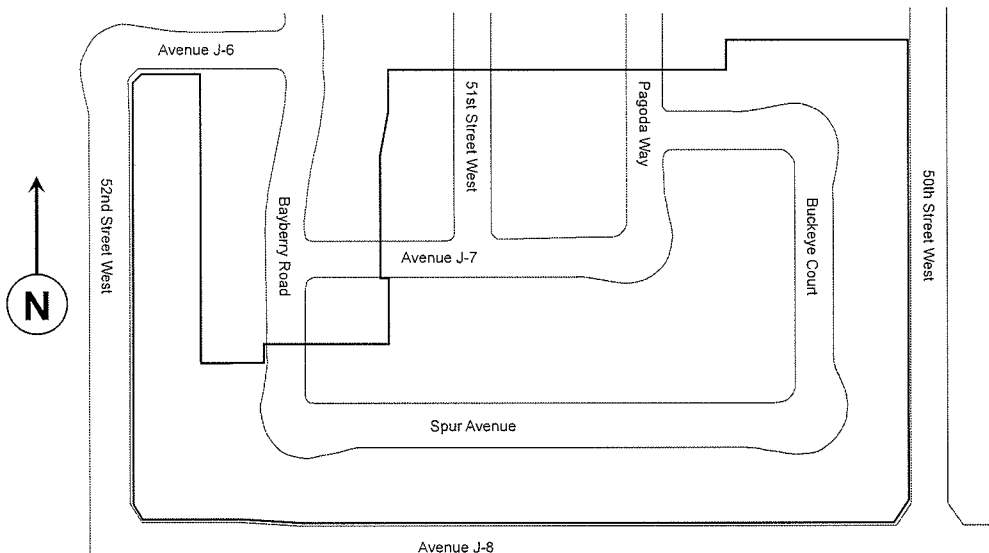
Linda Jones
Clerk, Board of Trustees
Westside Union School District

EXHIBIT "A"


AMENDED BOUNDARY MAP OF WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, WITH IMPROVEMENT AREA NOS. 1 AND 2, LOS ANGELES COUNTY, STATE OF CALIFORNIA

SHEET 1 OF 3

AMENDED BOUNDARY MAP OF
COMMUNITY FACILITIES DISTRICT NO. 2018-1
WESTSIDE UNION SCHOOL DISTRICT
LOS ANGELES COUNTY
STATE OF CALIFORNIA



LEGEND

 Boundaries of Improvement Area 1
of Community Facilities District

Prepared by:
California Financial Services

(1) Filed in the office of the Clerk of the Board of Trustees of the Westside Union School District this ___ day of ___, 20__

_____, Clerk of the Board of Trustees
Westside Union School District

(2) I hereby certify that the within map showing the amended boundaries of to the Community Facilities District No. 2018-1 of the Westside Union School District, Los Angeles County, State of California, was approved by the Board of Trustees of the Westside Union School District at the regular meeting thereof, held on this ___ day of ___, 20__ by its Resolution No. _____.

_____, Clerk of the Board of Trustees
Westside Union School District

(3) THIS MAP HAS BEEN FILED AT THE REQUEST OF WESTSIDE UNION SCHOOL DISTRICT, THIS ___ DAY OF ___, 20__ AT ___ M. IN BOOK ___, AT PAGE (S) ___ OF ASSESSMENT MAPS.

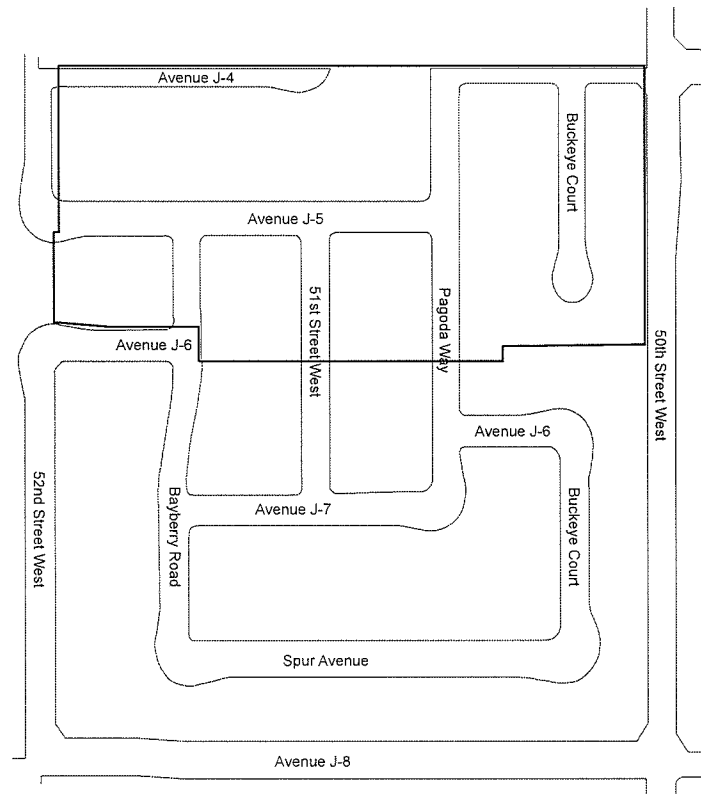
LOS ANGELES COUNTY
REGISTRAR — RECORDER

BY: _____
DEPUTY RECORDER


Reference is hereby made to the Assessor maps of the County of Los Angeles for an exact description of the lines and dimensions of each lot and parcel.

SHEET 2 OF 3

AMENDED BOUNDARY MAP OF
COMMUNITY FACILITIES DISTRICT NO. 2018-1
WESTSIDE UNION SCHOOL DISTRICT
LOS ANGELES COUNTY
STATE OF CALIFORNIA



LEGEND

 Boundaries of Improvement Area 2
of Community Facilities District

Reference is hereby made to the Assessor maps of the
County of Los Angeles for an exact description of the
lines and dimensions of each lot and parcel.

AMENDED BOUNDARY MAP OF
COMMUNITY FACILITIES DISTRICT NO. 2018-1
WESTSIDE UNION SCHOOL DISTRICT
LOS ANGELES COUNTY
STATE OF CALIFORNIA

LEGAL DESCRIPTION OF IMPROVEMENT AREAS
(Assessor's Parcel Numbers)

IMPROVEMENT AREA 1

3203-061-088	3203-061-043	3203-061-071
3203-061-003	3203-061-044	3203-061-072
3203-061-015	3203-061-045	3203-061-073
3203-061-016	3203-061-046	3203-061-074
3203-061-017	3203-061-047	3203-061-089
3203-061-018	3203-061-048	3203-061-075
3203-061-019	3203-061-049	3203-061-076
3203-061-020	3203-061-050	3203-061-077
3203-061-021	3203-061-051	3203-061-078
3203-061-022	3203-061-052	3203-061-079
3203-061-023	3203-061-053	3203-061-080
3203-061-024	3203-061-054	3203-061-081
3203-061-025	3203-061-055	3203-061-082
3203-061-026	3203-061-056	3203-061-083
3203-061-027	3203-061-057	
3203-061-028	3203-061-058	
3203-061-029	3203-061-059	
3203-061-030	3203-061-060	
3203-061-031	3203-061-061	
3203-061-032	3203-061-062	
3203-061-033	3203-061-063	
3203-061-034	3203-061-064	
3203-061-035	3203-061-065	
3203-061-036	3203-061-066	
3203-061-039	3203-061-067	
3203-061-040	3203-061-068	
3203-061-041	3203-061-069	
3203-061-042	3203-061-070	

IMPROVEMENT AREA 2

3203-062-001	3203-062-029	3203-062-057
3203-062-002	3203-062-030	3203-062-058
3203-062-003	3203-062-031	3203-062-059
3203-062-004	3203-062-032	3203-062-060
3203-062-005	3203-062-033	3203-062-061
3203-062-006	3203-062-034	3203-062-062
3203-062-007	3203-062-035	3203-062-063
3203-062-008	3203-062-036	3203-062-064
3203-062-009	3203-062-037	3203-062-065
3203-062-010	3203-062-038	3203-062-066
3203-062-011	3203-062-039	3203-062-067
3203-062-012	3203-062-040	3203-062-068
3203-062-013	3203-062-041	3203-062-069
3203-062-014	3203-062-042	3203-062-070
3203-062-015	3203-062-043	
3203-062-016	3203-062-044	
3203-062-017	3203-062-045	
3203-062-018	3203-062-046	
3203-062-019	3203-062-047	
3203-062-020	3203-062-048	
3203-062-021	3203-062-049	
3203-062-022	3203-062-050	
3203-062-023	3203-062-051	
3203-062-024	3203-062-052	
3203-062-025	3203-062-053	
3203-062-026	3203-062-054	
3203-062-027	3203-062-055	
3203-062-028	3203-062-056	

EXHIBIT A
AMENDED RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAX
IMPROVEMENT AREA NO. 1

**AMENDED
RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAXES OF
IMPROVEMENT AREA 1 OF COMMUNITY FACILITIES DISTRICT
NO. 2018-1 OF THE WESTSIDE UNION SCHOOL DISTRICT**

A Special Tax (as defined herein) shall be levied on and collected from all Assessor's Parcels in Improvement Area ("IA") 1 of Community Facilities District ("CFD") No. 2018-1 of the Westside Union School District ("School District") each Fiscal Year commencing in Fiscal Year 2018/2019, in an amount determined by the Board through the application of the Amended Rate and Method of Apportionment of Special Taxes ("RMA") described below. All the real property within the District, unless exempted by law or by provisions hereof, shall be taxed for the purposes, to the extent and in the manner herein provided.

**SECTION A
DEFINITIONS**

For purposes of this RMA, the terms hereinafter set forth have the following meanings:

"Acreage" means the number of acres of land area of an Assessor's Parcel as shown on an Assessor's Parcel Map, or if the land area is not shown on an Assessor's Parcel Map, the Administrator may rely on the land area shown on the applicable Final Map.

"Act" means the Mello-Roos Communities Facilities Act of 1982, as amended, being Chapter 2.5, Division 2 of Title 5 of the Government Code of the State of California.

"Administrative Expenses" means any ordinary and necessary expense incurred by the School District on behalf of the District related to the determination of the amount of the levy of Special Taxes, the collection of Special Taxes, including, but not limited to, the reasonable expenses of collecting delinquencies, the administration of Bonds, the proportionate payment of salaries and benefits of any School District employee whose duties are directly related to the administration of the District, and reasonable costs otherwise incurred in order to carry out the authorized purposes of the District including a proportionate amount of School District general administrative overhead related thereto.

"Administrator" means an official of the School District or designee thereof, responsible for determining the levy and collection of the Special Taxes.

"Annual Special Tax" means the Special Tax levied in any Fiscal Year on any Assessor's Parcel.

"Assessor's Parcel" means a parcel of land designated on an Assessor's Parcel Map with an assigned Assessor's Parcel Number within the boundaries of the District.

"Assessor's Parcel Map" means an official map of the Assessor of the County designating parcels by Assessor's Parcel Number.

"Assessor's Parcel Number" means that number assigned to an Assessor's Parcel by the County for purposes of identification.

"Assigned Annual Special Tax" means the Special Tax of that name described in Section D hereof.

"Backup Annual Special Tax" means the Special Tax of that name described in Section E hereof.

"Board" means the Governing Board (Board of Trustees) of the School District, or its designee, acting as the Legislative Body of the District.

"Bond Index" means the national Bond Buyer Revenue Index, commonly referenced as the 25-Bond Revenue Index. In the event the Bond Index ceases to be published, the index used shall be based on a comparable index for revenue bonds maturing in 30 years with an average rating equivalent to Moody's A1 and/or Standard & Poor's A+, as determined by the Board.

"Bond Yield" means the yield of the last series of Bonds issued. For purposes of this calculation the yield of the Bonds shall be the yield calculated at the time such Bonds are issued, pursuant to Section 148 of the Internal Revenue Code of 1986, as amended, for the purpose of the Non-Arbitrage (Tax) Certificate or other similar bond issuance document.

"Bonds" means any obligation to repay a sum of money, including obligations in the form of bonds, notes, certificates of participation, long-term leases, loans from government agencies, or loans from banks, other financial institutions, private businesses, or individuals, or long-term contracts, or any refunding thereof, to which the Special Taxes have been pledged for repayment.

"Building Square Footage" or "BSF" means the square footage of assessable internal living space of a Unit, exclusive of any carports, walkways, garages, overhangs, patios, enclosed patios, detached accessory structure, other structures not used as living space, or any other square footage excluded under Government Code Section 65995 as determined by reference to the building permit(s) for such Unit.

"City" means the City of Lancaster, California.

"County" means the County of Los Angeles, California.

"Developed Property" means all Assessor's Parcels of Taxable Property for which building permit(s) were issued on or before May 1 of the prior Fiscal Year, provided that such Assessor's Parcels were created on or before January 1 of the prior Fiscal Year, as reasonably determined by the Administrator.

"District" means IA 1 of Community Facilities District No. 2018-1 of the School District.

"Exempt Property" means all Assessor's Parcels designated as being exempt from Special Taxes pursuant to Section K hereof.

"Final Map" means a final tract map, parcel map, lot line adjustment, or functionally equivalent map or instrument that creates individual Lots, recorded in the Office of the County Recorder.

"Fiscal Year" means the period commencing on July 1 of any year and ending on the following June 30.

"Land Use Class or Classes" means the tax classifications depicted in Table 1 for all Assessor's Parcel of Developed Property based on the Building Square Footage of such Assessor's Parcel.

"Lot" means an individual legal lot created by a Final Map for which a building permit for residential construction has been or could be issued.

"Maximum Special Tax" means for each Assessor's Parcel, the maximum Special Tax, determined in accordance with Section C, which can be levied by the District in a given Fiscal Year on such Assessor's Parcel.

"Mitigation Agreement" means the Amended and Restated School Facilities Mitigation Agreement made and entered into as of April 3, 2018 by and among the School District and STG Montecito West, LLC.

"Net Taxable Acreage" means the total Acreage of Developed Property expected to exist within the District after all Final Maps are recorded.

"Partial Prepayment Amount" means the amount required to prepay a portion of the Special Tax obligation for an Assessor's Parcel as described in Section H hereof.

"Prepayment Administrative Fees" means any fees or expenses of the School District or the District associated with the prepayment of the Special Tax obligation of an Assessor's Parcel. Prepayment Administrative Fees shall include among other things the cost of computing the Prepayment Amount, redeeming Bonds, and recording any notices to evidence the prepayment and redemption of Bonds.

"Prepayment Amount" means the amount required to prepay the Special Tax obligation in full for an Assessor's Parcel as described in Section G hereof.

"Present Value of Taxes" means for any Assessor's Parcel the present value of (i) the unpaid portion, if any, of the Annual Special Tax applicable to such Assessor's Parcel in the current Fiscal Year and (ii) the Special Taxes expected to be levied on such Assessor's Parcel in each remaining Fiscal Year, as determined by the Administrator, until the termination date specified in Section J, but in no event longer than 33 Fiscal Years. The discount rate used for this calculation shall be equal to (a) the Bond Yield after Bond issuance or (b) the most recently published Bond Index prior to Bond issuance.

"Proportionately" means that the ratio of the actual Annual Special Tax levy to the applicable Assigned Annual Special Tax is equal for all applicable Assessor's Parcels. In the case of Developed Property subject to apportionment of the Annual Special Tax under Step Four of Section F, "Proportionately" shall mean that the quotient of (i) the Annual Special Tax less the Assigned Annual Special Tax divided by (ii) the Backup Annual Special Tax less the Assigned Annual Special Tax is equal for all applicable Assessor's Parcels.

"Provisional Undeveloped Property" means all Assessor's Parcels of Taxable Property that would otherwise be classified as Exempt Property pursuant to Section K but cannot be classified as Exempt Property because to do so would reduce the Net Taxable Acreage below the required minimum Acreage set forth in Section K, as applicable.

"Reserve Fund Credit" means an amount equal to the lesser of (i) the reduction in the applicable reserve fund requirement(s) resulting from the redemption of Bonds with the Prepayment Amount or (ii) ten percent (10%) of the amount of Bonds which will be redeemed. If a surety bond or other credit instrument satisfies the reserve requirement or the reserve requirement is underfunded at the time of the prepayment, no Reserve Fund Credit shall be given.

"School District" means the Westside Union School District, a public school district organized and operating pursuant to the Constitution and laws of the State of California.

"Special Tax" means any of the special taxes authorized to be levied by the District pursuant to the Act and this RMA.

"Special Tax Requirement" means the amount required in any Fiscal Year to pay (i) the debt service or the periodic costs on all outstanding Bonds, (ii) Administrative Expenses, (iii) the costs associated with the release of funds from an escrow account or accounts established in association with the Bonds, (iv) any amount required to establish or replenish any reserve funds (or accounts thereof) established in association with the Bonds, and (v) the collection or accumulation of funds for the acquisition or construction of school facilities and certain costs associated with the maintenance and operations of school facilities authorized by the District provided that the inclusion of such amount does not cause an increase in the levy of Special Tax on Approved Property, Undeveloped Property, or Provisional Undeveloped Property as set forth in Steps Two through Four of Section F, less (vi) any amount(s) available to pay debt service or other periodic costs on the Bonds pursuant to any applicable bond indenture, fiscal agent agreement, trust agreement, or equivalent agreement or document. In arriving at the Special Tax Requirement, the Administrator shall take into account the reasonably anticipated delinquent Special Taxes, provided that the amount included cannot cause the Annual Special Tax of an Assessor Parcel of Developed Property to increase by greater than ten percent (10%) of what would have otherwise been levied.

"Taxable Property" means all Assessor's Parcels which are not Exempt Property.

"Undeveloped Property" means all Assessor's Parcels of Taxable Property which are not Developed Property or Approved Property.

"Unit" means each separate residential dwelling unit, including but not limited to, a single family attached or detached unit, condominium, an apartment unit, mobile home, or otherwise, excluding hotel and motels.

SECTION B CLASSIFICATION OF ASSESSOR'S PARCELS

Each Fiscal Year, commencing with Fiscal Year 2018/2019, all Assessor's Parcels within the District shall be classified as either Taxable Property or Exempt. In addition, each Assessor's Parcel of Taxable Property shall be classified as Developed Property, Undeveloped Property or Provisional Undeveloped Property. Developed Property shall be further assigned to a Land Use Class, according to Table 1 below, based on the Building Square Footage of each Unit.

Table 1
Land Use Classification

Land Use Class	Building Square Footage
1	< 2,350 sq. ft.
2	2,350 – 2,600 sq. ft.
3	2,601 – 2,850 sq. ft.
4	2,851 – 3,100 sq. ft.
5	3,101 – 3,350 sq. ft.
6	3,351 – 3,600 sq. ft.
7	> 3,600 sq. ft.

SECTION C MAXIMUM SPECIAL TAX RATE

1. **Developed Property**

The Maximum Special Tax for each Assessor's Parcel classified as Developed Property shall be the greater of the amount derived by the application of the (a) Assigned Annual Special Tax or (b) Backup Annual Special Tax.

2. **Undeveloped Property**

The Maximum Special Tax for each Assessor's Parcel classified as Undeveloped Property or Provisional Undeveloped Property shall be derived by the application of the Assigned Annual Special Tax.

SECTION D ASSIGNED ANNUAL SPECIAL TAXES

1. Developed Property

The Assigned Annual Special Tax for each Assessor's Parcel of Developed Property will be determined in accordance with Table 2 below, subject to increases as described below.

Table 2
Fiscal Year 2018/2019
Assigned Annual Special Taxes
for Developed Property

Land Use Class	Building Square Footage	Assigned Annual Special Tax Rate
1	< 2,350 sq. ft.	\$1,958.00 per Unit
2	2,350 – 2,600 sq. ft.	\$2,029.00 per Unit
3	2,601 – 2,850 sq. ft.	\$2,167.00 per Unit
4	2,851 – 3,100 sq. ft.	\$2,230.00 per Unit
5	3,101 – 3,350 sq. ft.	\$2,257.00 per Unit
6	3,351 – 3,600 sq. ft.	\$2,283.00 per Unit
7	> 3,600 sq. ft.	\$2,561.46 per Unit

2. Undeveloped Property and Provisional Undeveloped Property

The Assigned Annual Special Tax for each Assessor's Parcel of Undeveloped Property or Provisional Undeveloped Property shall be \$13,327.19 per acre of Acreage, subject to increases as described below.

3. Increases in the Assigned Annual Special Tax

a. Developed Property

On each July 1, commencing July 1, 2019, the Assigned Annual Special Tax rate applicable to Developed Property shall be increased by two percent (2.00%).

b. Undeveloped Property and Provisional Undeveloped Property

On each July 1, commencing July 1, 2019, the Assigned Annual Special Tax rate per acre of Acreage for Undeveloped Property and Provisional Undeveloped Property shall be increased by two percent (2.00%).

SECTION E

BACKUP ANNUAL SPECIAL TAX

Each Fiscal Year, each Assessor's Parcel of Developed Property shall be subject to a Backup Annual Special Tax.

1. Calculation of the Backup Annual Special Tax Rate

The Backup Annual Special Tax rate for an Assessor's Parcel of Developed Property within a Final Map shall be the rate per Lot calculated in accordance with the following formula in Fiscal Year 2018/2019 or such later Fiscal Year in which such Final Map is created, subject to increases as described below:

$$B = (U \times A) / L$$

The terms above have the following meanings:

B	=	Backup Annual Special Tax per Lot for the applicable Fiscal Year
U	=	Assigned Annual Special Tax per Acre of Undeveloped Property in the Fiscal Year the calculation is performed
A	=	Acreage of Taxable Property expected to exist within such Final Map at the time of calculation, as determined by the Administrator
L	=	Number of Lots within the applicable Final Map at the time of calculation

2. Changes to a Final Map

If the Final Map(s) described in the preceding paragraph are subsequently changed or modified, then the Backup Annual Special Tax for each Assessor's Parcel of Developed Property changed or modified in each such Final Map shall be a rate per square foot of Acreage calculated as follows:

- a. Determine the total Backup Annual Special Tax revenue anticipated to apply to the changed or modified Assessor's Parcels prior to the change or modification.
- b. The result of paragraph a above shall be divided by the Acreage of Taxable Property of the modified Assessor's Parcels, as reasonably determined by the Administrator.
- c. The result of paragraph b above shall be divided by 43,560. The result is the Backup Annual Special Tax per square foot of Acreage that shall be applicable to the modified Assessor's Parcels, subject to increases as described below.

3. Increase in the Backup Annual Special Tax

Each July 1, commencing the July 1 following the initial calculation of the Backup Annual Special Tax rate for Developed Property within a Final Map, the Backup Annual Special Tax for each Lot within such Final Map shall be increased by two percent (2.00%) of the amount in effect the prior Fiscal Year.

SECTION F METHOD OF APPORTIONMENT OF THE ANNUAL SPECIAL TAX

Commencing Fiscal Year 2018/2019 and for each subsequent Fiscal Year, the Board shall levy Annual Special Taxes on all Taxable Property in accordance with the following steps:

- Step One:** The Special Tax shall be levied on each Assessor's Parcel of Developed Property at the Assigned Annual Special Tax applicable to each such Assessor's Parcel.
- Step Two:** If additional moneys are needed to satisfy the Special Tax Requirement after the first step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Undeveloped Property up to 100% of the Assigned Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.
- Step Three:** If additional moneys are needed to satisfy the Special Tax Requirement after the second step has been completed, the Special Tax on each Assessor's Parcel of Developed Property, for which the Maximum Special Tax is the Backup Annual Special Tax, shall be increased Proportionately from the Assigned Annual Special Tax up to 100% of the Backup Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.
- Step Four:** If additional moneys are needed to satisfy the Special Tax Requirement after the third step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Provisional Undeveloped Property up to 100% of the Assigned Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.

SECTION G PREPAYMENT OF SPECIAL TAXES

1. Special Tax Prepayment Times and Conditions

The Special Tax obligation of an Assessor's Parcel of Taxable Property may be prepaid, if there are no delinquent Special Taxes, penalties, or interest charges outstanding with respect to such Assessor's Parcel. An owner of an Assessor's Parcel intending to prepay the Special Tax shall provide the School District with written notice of intent to prepay. Within thirty (30) days of receipt of such written notice, the Administrator shall determine the Prepayment Amount for such Assessor's Parcel and shall notify such owner of such Prepayment Amount.

2. Special Tax Prepayment Calculation

The Prepayment Amount shall be calculated according to the following formula:

$$P = PVT - RFC + PAF$$

The terms above have the following meanings:

P	=	Prepayment Amount
PVT	=	Present Value of Taxes
RFC	=	Reserve Fund Credit
PAF	=	Prepayment Administrative Fees

3. Special Tax Prepayment Procedures and Limitations

The amount representing the Present Value of Taxes attributable to the prepayment less the Reserve Fund Credit attributable to the prepayment shall, prior to the issuance of Bonds, be deposited into a separate account held with the School District and disbursed in accordance with the Mitigation Agreement and after the issuance of Bonds be deposited into the applicable account or fund established under the trust agreement, indenture agreement or fiscal agent agreement and used to pay debt service or redeem Bonds. The amount representing the Prepayment Administrative Fees attributable to the prepayment shall be retained and deposited into the applicable account by the District.

With respect to any Assessor's Parcel for which the Special Tax is prepaid, the Board shall indicate in the records of the District that there has been a prepayment of the Special Tax obligation and shall cause a suitable notice to be recorded in compliance with the Act to indicate the prepayment of the Special Tax obligation and the release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay such Special Tax shall cease.

Notwithstanding the foregoing, no prepayment will be allowed unless the amount of Assigned Annual Special Taxes that may be levied on Taxable Property and net of Administrative

Expenses excluding Provisional Undeveloped Property, after such prepayment shall be at least 1.15 times the regularly scheduled annual interest and principal payments on all currently outstanding Bonds in each future Fiscal Year and such prepayment will not impair the security of all currently outstanding Bonds, as reasonably determined by the Administrator. Such determination shall include identifying all Assessor's Parcels that are expected to be classified as Exempt Property.

Notwithstanding the above, the ability to prepay the Special Tax obligation of an Assessor's Parcel may be suspended, by the Administrator, acting in his or her absolute and sole discretion for and on behalf of the District, without notice to the owners of property within the District for a period of time, not to exceed sixty (60) days, prior to the scheduled issuance of Bonds by the District to assist in the efficient preparation of the required bond market disclosure.

SECTION H

PARTIAL PREPAYMENT OF SPECIAL TAXES

1. Partial Prepayment Times and Conditions

The Special Tax obligation for Assessor's Parcels of Taxable Property may be partially prepaid in increments of ten (10) Units, provided that there are no delinquent Special Taxes, penalties, or interest charges outstanding with respect to such Assessor's Parcels at the time the Special Tax obligation would be partially prepaid. An owner of an Assessor's Parcel(s) intending to partially prepay the Special Tax shall provide the District with written notice of their intent to partially prepay. Within thirty (30) days of receipt of such written notice, the Administrator shall determine the Partial Prepayment Amount of such Assessor's Parcel and shall notify such owner of such Partial Prepayment Amount.

2. Partial Prepayment Calculation

The Partial Prepayment Amount shall be calculated according to the following formula:

$$PP = PVT \times F - RFC + PAF$$

The terms above have the following meanings:

PP	=	the Partial Prepayment Amount
PVT	=	Present Value of Taxes
F	=	the percent by which the owner of the Assessor's Parcel is partially prepaying the Special Tax obligation
RFC	=	Reserve Fund Credit
PAF	=	Prepayment Administrative Fees

3. Partial Prepayment Procedures and Limitations

The amount representing the Present Value of Taxes attributable to the prepayment less the Reserve Fund Credit attributable to the prepayment shall, prior to the issuance of Bonds, be deposited into a separate account held with the School District and disbursed in accordance with the Mitigation Agreement and after the issuance of Bonds be deposited into the applicable account or fund established under the trust agreement or indenture agreement or fiscal agent agreement and used to pay debt service or redeem Bonds. The amount representing the Prepayment Administrative Fees attributable to the prepayment shall be retained and deposited into the applicable account by the District.

With respect to any Assessor's Parcel for which the Special Tax obligation is partially prepaid, the Board shall indicate in the records of the District that there has been a partial prepayment of the Special Tax obligation and shall cause a suitable notice to be recorded in compliance with the Act to indicate the partial prepayment of the Special Tax obligation and the partial release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay such prepaid portion of the Special Tax shall cease. Additionally, the notice shall indicate that the Assigned Annual Special Tax and the Backup Annual Special Tax if applicable for the Assessor's Parcel has been reduced by an amount equal to the percentage which was partially prepaid.

Notwithstanding the foregoing, no partial prepayment will be allowed unless the amount of Special Taxes that may be levied on Taxable Property, excluding Provisional Undeveloped Property, after such partial prepayment, net of Administrative Expenses, shall be at least 1.15 times the regularly scheduled annual interest and principal payments on all currently outstanding Bonds in each future Fiscal Year and such partial prepayment will not impair the security of all currently outstanding Bonds, as reasonably determined by the Administrator. Such determination shall include identifying all Assessor's Parcels that are expected to be classified as Exempt Property.

Notwithstanding the above, the ability to prepay the Annual Special Tax obligation of an Assessor's Parcel may be suspended, by the Administrator, acting in his or her absolute and sole discretion for and on behalf of the District, without notice to the owners of property within the District for a period of time, not to exceed sixty (60) days, prior to the scheduled issuance of Bonds by the District to assist in the efficient preparation of the required bond market disclosure.

SECTION I ANNUAL SPECIAL TAX REMAINDER

In any Fiscal Year which the Special Taxes collected from Developed Property exceeds the amount needed to make regularly scheduled annual interest and principal payments on outstanding Bonds and pay Administrative Expenses, the School District may use such amount for acquisition, construction or financing of school facilities and certain costs associated with the maintenance and operations of school facilities in accordance with the Act, District proceedings and other applicable laws as determined by the Board.

SECTION J TERMINATION OF SPECIAL TAX

The Special Tax shall be levied for a term of three (3) Fiscal Years after the final maturity of the last series of Bonds, provided that the Special Tax shall not be levied later than Fiscal Year 2058/2059. However, the Special Tax may cease to be levied in an earlier Fiscal Year if the Board has determined (i) that all required interest and principal payments on the Bonds have been paid, (ii) all authorized facilities of the District have been acquired and all reimbursements have been paid, and (iii) all other obligations of the District have been satisfied.

SECTION K EXEMPTIONS

The Administrator shall classify as Exempt Property in the chronological order in which each Assessor Parcel becomes (i) owned by the State of California, federal or other local governments, (ii) used as places of worship and are exempt from *ad valorem* property taxes because they are owned by a religious organization, (iii) owned by a homeowners' association, (iv) burdened with a public or utility easements making impractical their utilization for other than the purposes set forth in the easement, or (v) any other Assessor's Parcels at the reasonable discretion of the Board, provided that no such classification would reduce the Net Taxable Acreage to less than 12.4729 acres of Acreage ("Minimum Taxable Acreage").

Notwithstanding the above, the Administrator or Board shall not classify an Assessor's Parcel as Exempt Property if such classification would reduce the sum of the Acreage of all Taxable Property to less than the Minimum Taxable Acreage. Assessor's Parcels which cannot be classified as Exempt Property because such classification would reduce the Acreage of all Taxable Property to less than the Minimum Taxable Acreage will be classified as Provisional Undeveloped Property, as applicable, and will continue to be subject to Special Taxes accordingly.

SECTION L APPEALS

Any property owner claiming that the amount or application of the Special Tax is not correct may file a written notice of appeal with the Administrator to be received by the Administrator not later than six (6) months after having paid the first installment of the Special Tax that is disputed. The reissuance or cancellation of a building permit is not an eligible reason for appeal. In order to be considered sufficient, any notice of appeal must (i) specifically identify the property by address and Assessor's Parcel Number, (ii) state the amount in dispute and whether it is the whole amount or only a portion of the Special Tax, (iii) state all grounds on which the property owner is disputing the amount or

application of the Special Tax, including a reasonably detailed explanation as to why the amount or application of such Special Tax is incorrect, (iv) include all documentation, if any, in support of the claim, and (v) be verified under penalty of perjury by the person who paid the Special Tax or his or her guardian, executor or administrator. The Administrator shall promptly review the appeal, and if necessary, meet with the property owner, consider written and oral evidence regarding the amount of the Special Tax, and rule on the appeal. If the representative's decision requires that the Special Tax for an Assessor's Parcel be modified or changed in favor of the property owner, a cash refund shall not be made (except for the last year of levy), but an adjustment shall be made to the Special Tax on that Assessor's Parcel in the subsequent Fiscal Year(s) as the representative's decision shall indicate.

SECTION M MANNER OF COLLECTION

The Special Tax shall be collected in the same manner and at the same time as ordinary *ad valorem* property taxes and shall be subject to the same penalties, the same procedure, sale and lien priority in the case of delinquency; provided, however, that the District may directly bill all or a portion of the Special Tax, may collect Special Taxes at a different time or in a different manner if necessary to meet its financial obligations, and if so collected, a delinquent penalty of ten percent (10%) of the Special Tax will attach at 5:00 p.m. on the date the Special Tax becomes delinquent and interest at 1.5% per month of the Special Tax will attach on the July 1 after the delinquency date and the first of each month thereafter until such Special Taxes are paid.

EXHIBIT C
AMENDED RATE AND METHOD OF APPORTIONMENT OF TAX
IMPROVEMENT AREA NO. 2

**AMENDED
RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAXES OF
IMPROVEMENT AREA 2 OF COMMUNITY FACILITIES DISTRICT
NO. 2018-1 OF THE WESTSIDE UNION SCHOOL DISTRICT**

A Special Tax (as defined herein) shall be levied on and collected from all Assessor's Parcels in Improvement Area ("IA") 2 of Community Facilities District ("CFD") No. 2018-1 of the Westside Union School District ("School District") each Fiscal Year commencing in Fiscal Year 2018/2019, in an amount determined by the Board through the application of the Amended Rate and Method of Apportionment of Special Taxes ("RMA") described below. All the real property within the District, unless exempted by law or by provisions hereof, shall be taxed for the purposes, to the extent and in the manner herein provided.

**SECTION A
DEFINITIONS**

For purposes of this RMA, the terms hereinafter set forth have the following meanings:

"Acreage" means the number of acres of land area of an Assessor's Parcel as shown on an Assessor's Parcel Map, or if the land area is not shown on an Assessor's Parcel Map, the Administrator may rely on the land area shown on the applicable Final Map.

"Act" means the Mello-Roos Communities Facilities Act of 1982, as amended, being Chapter 2.5, Division 2 of Title 5 of the Government Code of the State of California.

"Administrative Expenses" means any ordinary and necessary expense incurred by the School District on behalf of the District related to the determination of the amount of the levy of Special Taxes, the collection of Special Taxes, including, but not limited to, the reasonable expenses of collecting delinquencies, the administration of Bonds, the proportionate payment of salaries and benefits of any School District employee whose duties are directly related to the administration of the District, and reasonable costs otherwise incurred in order to carry out the authorized purposes of the District including a proportionate amount of School District general administrative overhead related thereto.

"Administrator" means an official of the School District or designee thereof, responsible for determining the levy and collection of the Special Taxes.

"Annual Special Tax" means the Special Tax levied in any Fiscal Year on any Assessor's Parcel.

"Assessor's Parcel" means a parcel of land designated on an Assessor's Parcel Map with an assigned Assessor's Parcel Number within the boundaries of the District.

"Assessor's Parcel Map" means an official map of the Assessor of the County designating parcels by Assessor's Parcel Number.

"Assessor's Parcel Number" means that number assigned to an Assessor's Parcel by the County for purposes of identification.

"Assigned Annual Special Tax" means the Special Tax of that name described in Section D hereof.

"Backup Annual Special Tax" means the Special Tax of that name described in Section E hereof.

"Board" means the Governing Board (Board of Trustees) of the School District, or its designee, acting as the Legislative Body of the District.

"Bond Index" means the national Bond Buyer Revenue Index, commonly referenced as the 25-Bond Revenue Index. In the event the Bond Index ceases to be published, the index used shall be based on a comparable index for revenue bonds maturing in 30 years with an average rating equivalent to Moody's A1 and/or Standard & Poor's A+, as determined by the Board.

"Bond Yield" means the yield of the last series of Bonds issued. For purposes of this calculation the yield of the Bonds shall be the yield calculated at the time such Bonds are issued, pursuant to Section 148 of the Internal Revenue Code of 1986, as amended, for the purpose of the Non-Arbitrage (Tax) Certificate or other similar bond issuance document.

"Bonds" means any obligation to repay a sum of money, including obligations in the form of bonds, notes, certificates of participation, long-term leases, loans from government agencies, or loans from banks, other financial institutions, private businesses, or individuals, or long-term contracts, or any refunding thereof, to which the Special Taxes have been pledged for repayment.

"Building Square Footage" or "BSF" means the square footage of assessable internal living space of a Unit, exclusive of any carports, walkways, garages, overhangs, patios, enclosed patios, detached accessory structure, other structures not used as living space, or any other square footage excluded under Government Code Section 65995 as determined by reference to the building permit(s) for such Unit.

"City" means the City of Lancaster, California.

"County" means the County of Los Angeles, California.

"Developed Property" means all Assessor's Parcels of Taxable Property for which building permit(s) were issued on or before May 1 of the prior Fiscal Year, provided that such Assessor's Parcels were created on or before January 1 of the prior Fiscal Year, as reasonably determined by the Administrator.

"District" means IA 2 of Community Facilities District No. 2018-1 of the School District.

"Exempt Property" means all Assessor's Parcels designated as being exempt from Special Taxes pursuant to Section K hereof.

"Final Map" means a final tract map, parcel map, lot line adjustment, or functionally equivalent map or instrument that creates individual Lots, recorded in the Office of the County Recorder.

"Fiscal Year" means the period commencing on July 1 of any year and ending on the following June 30.

"Land Use Class or Classes" means the tax classifications depicted in Table 1 for all Assessor's Parcel of Developed Property based on the Building Square Footage of such Assessor's Parcel.

"Lot" means an individual legal lot created by a Final Map for which a building permit for residential construction has been or could be issued.

"Maximum Special Tax" means for each Assessor's Parcel, the maximum Special Tax, determined in accordance with Section C, which can be levied by the District in a given Fiscal Year on such Assessor's Parcel.

"Mitigation Agreement" means the Amended and Restated School Facilities Mitigation Agreement made and entered into as of April 3, 2018 by and among the School District and STG Montecito West, LLC.

"Net Taxable Acreage" means the total Acreage of Developed Property expected to exist within the District after all Final Maps are recorded.

"Partial Prepayment Amount" means the amount required to prepay a portion of the Special Tax obligation for an Assessor's Parcel as described in Section H hereof.

"Prepayment Administrative Fees" means any fees or expenses of the School District or the District associated with the prepayment of the Special Tax obligation of an Assessor's Parcel. Prepayment Administrative Fees shall include among other things the cost of computing the Prepayment Amount, redeeming Bonds, and recording any notices to evidence the prepayment and redemption of Bonds.

"Prepayment Amount" means the amount required to prepay the Special Tax obligation in full for an Assessor's Parcel as described in Section G hereof.

"Present Value of Taxes" means for any Assessor's Parcel the present value of (i) the unpaid portion, if any, of the Annual Special Tax applicable to such Assessor's Parcel in the current Fiscal Year and (ii) the Special Taxes expected to be levied on such Assessor's Parcel in each remaining Fiscal Year, as determined by the Administrator, until the termination date specified in Section J, but in no event longer than 33 Fiscal Years. The discount rate used for this calculation shall be equal to (a) the Bond Yield after Bond issuance or (b) the most recently published Bond Index prior to Bond issuance.

"Proportionately" means that the ratio of the actual Annual Special Tax levy to the applicable Assigned Annual Special Tax is equal for all applicable Assessor's Parcels. In the case of Developed Property subject to apportionment of the Annual Special Tax under Step Four of Section F, "Proportionately" shall mean that the quotient of (i) the Annual Special Tax less the Assigned Annual Special Tax divided by (ii) the Backup Annual Special Tax less the Assigned Annual Special Tax is equal for all applicable Assessor's Parcels.

"Provisional Undeveloped Property" means all Assessor's Parcels of Taxable Property that would otherwise be classified as Exempt Property pursuant to Section K but cannot be classified as Exempt Property because to do so would reduce the Net Taxable Acreage below the required minimum Acreage set forth in Section K, as applicable.

"Reserve Fund Credit" means an amount equal to the lesser of (i) the reduction in the applicable reserve fund requirement(s) resulting from the redemption of Bonds with the Prepayment Amount or (ii) ten percent (10%) of the amount of Bonds which will be redeemed. If a surety bond or other credit instrument satisfies the reserve requirement or the reserve requirement is underfunded at the time of the prepayment, no Reserve Fund Credit shall be given.

"School District" means the Westside Union School District, a public school district organized and operating pursuant to the Constitution and laws of the State of California.

"Special Tax" means any of the special taxes authorized to be levied by the District pursuant to the Act and this RMA.

"Special Tax Requirement" means the amount required in any Fiscal Year to pay (i) the debt service or the periodic costs on all outstanding Bonds, (ii) Administrative Expenses, (iii) the costs associated with the release of funds from an escrow account or accounts established in association with the Bonds, (iv) any amount required to establish or replenish any reserve funds (or accounts thereof) established in association with the Bonds, and (v) the collection or accumulation of funds for the acquisition or construction of school facilities and certain costs associated with the maintenance and operations of school facilities authorized by the District provided that the inclusion of such amount does not cause an increase in the levy of Special Tax on Approved Property, Undeveloped Property, or Provisional Undeveloped Property as set forth in Steps Two through Four of Section F, less (vi) any amount(s) available to pay debt service or other periodic costs on the Bonds pursuant to any applicable bond indenture, fiscal agent agreement, trust agreement, or equivalent agreement or document. In arriving at the Special Tax Requirement, the Administrator shall take into account the reasonably anticipated delinquent Special Taxes, provided that the amount included cannot cause the Annual Special Tax of an Assessor Parcel of Developed Property to increase by greater than ten percent (10%) of what would have otherwise been levied.

"Taxable Property" means all Assessor's Parcels which are not Exempt Property.

"Undeveloped Property" means all Assessor's Parcels of Taxable Property which are not Developed Property or Approved Property.

"Unit" means each separate residential dwelling unit, including but not limited to, a single family attached or detached unit, condominium, an apartment unit, mobile home, or otherwise, excluding hotel and motels.

SECTION B CLASSIFICATION OF ASSESSOR'S PARCELS

Each Fiscal Year, commencing with Fiscal Year 2018/2019, all Assessor's Parcels within the District shall be classified as either Taxable Property or Exempt. In addition, each Assessor's Parcel of Taxable Property shall be classified as Developed Property, Undeveloped Property or Provisional Undeveloped Property. Developed Property shall be further assigned to a Land Use Class, according to Table 1 below, based on the Building Square Footage of each Unit.

Table 1
Land Use Classification

Land Use Class	Building Square Footage
1	< 2,350 sq. ft.
2	2,350 – 2,600 sq. ft.
3	2,601 – 2,850 sq. ft.
4	2,851 – 3,100 sq. ft.
5	3,101 – 3,350 sq. ft.
6	3,351 – 3,600 sq. ft.
7	> 3,600 sq. ft.

SECTION C MAXIMUM SPECIAL TAX RATE

1. Developed Property

The Maximum Special Tax for each Assessor's Parcel classified as Developed Property shall be the greater of the amount derived by the application of the (a) Assigned Annual Special Tax or (b) Backup Annual Special Tax.

2. Undeveloped Property

The Maximum Special Tax for each Assessor's Parcel classified as Undeveloped Property or Provisional Undeveloped Property shall be derived by the application of the Assigned Annual Special Tax.

SECTION D ASSIGNED ANNUAL SPECIAL TAXES

1. Developed Property

The Assigned Annual Special Tax for each Assessor's Parcel of Developed Property will be determined in accordance with Table 2 below, subject to increases as described below.

Table 2
Fiscal Year 2018/2019
Assigned Annual Special Taxes
for Developed Property

Land Use Class	Building Square Footage	Assigned Annual Special Tax Rate
1	< 2,350 sq. ft.	\$1,958.00 per Unit
2	2,350 – 2,600 sq. ft.	\$2,029.00 per Unit
3	2,601 – 2,850 sq. ft.	\$2,167.00 per Unit
4	2,851 – 3,100 sq. ft.	\$2,230.00 per Unit
5	3,101 – 3,350 sq. ft.	\$2,257.00 per Unit
6	3,351 – 3,600 sq. ft.	\$2,283.00 per Unit
7	> 3,600 sq. ft.	\$2,561.46 per Unit

2. Undeveloped Property and Provisional Undeveloped Property

The Assigned Annual Special Tax for each Assessor's Parcel of Undeveloped Property or Provisional Undeveloped Property shall be \$13,613.35 per acre of Acreage, subject to increases as described below.

3. Increases in the Assigned Annual Special Tax

a. Developed Property

On each July 1, commencing July 1, 2019, the Assigned Annual Special Tax rate applicable to Developed Property shall be increased by two percent (2.00%).

b. Undeveloped Property and Provisional Undeveloped Property

On each July 1, commencing July 1, 2019, the Assigned Annual Special Tax rate per acre of Acreage for Undeveloped Property and Provisional Undeveloped Property shall be increased by two percent (2.00%).

SECTION E

BACKUP ANNUAL SPECIAL TAX

Each Fiscal Year, each Assessor's Parcel of Developed Property shall be subject to a Backup Annual Special Tax.

1. Calculation of the Backup Annual Special Tax Rate

The Backup Annual Special Tax rate for an Assessor's Parcel of Developed Property within a Final Map shall be the rate per Lot calculated in accordance with the following formula in Fiscal Year 2018/2019 or such later Fiscal Year in which such Final Map is created, subject to increases as described below:

$$B = (U \times A) / L$$

The terms above have the following meanings:

B	=	Backup Annual Special Tax per Lot for the applicable Fiscal Year
U	=	Assigned Annual Special Tax per Acre of Undeveloped Property in the Fiscal Year the calculation is performed
A	=	Acreage of Taxable Property expected to exist within such Final Map at the time of calculation, as determined by the Administrator
L	=	Number of Lots within the applicable Final Map at the time of calculation

2. Changes to a Final Map

If the Final Map(s) described in the preceding paragraph are subsequently changed or modified, then the Backup Annual Special Tax for each Assessor's Parcel of Developed Property changed or modified in each such Final Map shall be a rate per square foot of Acreage calculated as follows:

- a. Determine the total Backup Annual Special Tax revenue anticipated to apply to the changed or modified Assessor's Parcels prior to the change or modification.
- b. The result of paragraph a above shall be divided by the Acreage of Taxable Property of the modified Assessor's Parcels, as reasonably determined by the Administrator.
- c. The result of paragraph b above shall be divided by 43,560. The result is the Backup Annual Special Tax per square foot of Acreage that shall be applicable to the modified Assessor's Parcels, subject to increases as described below.

3. Increase in the Backup Annual Special Tax

Each July 1, commencing the July 1 following the initial calculation of the Backup Annual Special Tax rate for Developed Property within a Final Map, the Backup Annual Special Tax for each Lot within such Final Map shall be increased by two percent (2.00%) of the amount in effect the prior Fiscal Year.

SECTION F METHOD OF APPORTIONMENT OF THE ANNUAL SPECIAL TAX

Commencing Fiscal Year 2018/2019 and for each subsequent Fiscal Year, the Board shall levy Annual Special Taxes on all Taxable Property in accordance with the following steps:

- Step One:** The Special Tax shall be levied on each Assessor's Parcel of Developed Property at the Assigned Annual Special Tax applicable to each such Assessor's Parcel.
- Step Two:** If additional moneys are needed to satisfy the Special Tax Requirement after the first step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Undeveloped Property up to 100% of the Assigned Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.
- Step Three:** If additional moneys are needed to satisfy the Special Tax Requirement after the second step has been completed, the Special Tax on each Assessor's Parcel of Developed Property, for which the Maximum Special Tax is the Backup Annual Special Tax, shall be increased Proportionately from the Assigned Annual Special Tax up to 100% of the Backup Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.
- Step Four:** If additional moneys are needed to satisfy the Special Tax Requirement after the third step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Provisional Undeveloped Property up to 100% of the Assigned Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.

SECTION G PREPAYMENT OF SPECIAL TAXES

1. Special Tax Prepayment Times and Conditions

The Special Tax obligation of an Assessor's Parcel of Taxable Property may be prepaid, if there are no delinquent Special Taxes, penalties, or interest charges outstanding with respect to such Assessor's Parcel. An owner of an Assessor's Parcel intending to prepay the Special Tax shall provide the School District with written notice of intent to prepay. Within thirty (30) days of receipt of such written notice, the Administrator shall determine the Prepayment Amount for such Assessor's Parcel and shall notify such owner of such Prepayment Amount.

2. Special Tax Prepayment Calculation

The Prepayment Amount shall be calculated according to the following formula:

$$P = PVT - RFC + PAF$$

The terms above have the following meanings:

P	=	Prepayment Amount
PVT	=	Present Value of Taxes
RFC	=	Reserve Fund Credit
PAF	=	Prepayment Administrative Fees

3. Special Tax Prepayment Procedures and Limitations

The amount representing the Present Value of Taxes attributable to the prepayment less the Reserve Fund Credit attributable to the prepayment shall, prior to the issuance of Bonds, be deposited into a separate account held with the School District and disbursed in accordance with the Mitigation Agreement and after the issuance of Bonds be deposited into the applicable account or fund established under the trust agreement, indenture agreement or fiscal agent agreement and used to pay debt service or redeem Bonds. The amount representing the Prepayment Administrative Fees attributable to the prepayment shall be retained and deposited into the applicable account by the District.

With respect to any Assessor's Parcel for which the Special Tax is prepaid, the Board shall indicate in the records of the District that there has been a prepayment of the Special Tax obligation and shall cause a suitable notice to be recorded in compliance with the Act to indicate the prepayment of the Special Tax obligation and the release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay such Special Tax shall cease.

Notwithstanding the foregoing, no prepayment will be allowed unless the amount of Assigned Annual Special Taxes that may be levied on Taxable Property and net of Administrative

Expenses excluding Provisional Undeveloped Property, after such prepayment shall be at least 1.15 times the regularly scheduled annual interest and principal payments on all currently outstanding Bonds in each future Fiscal Year and such prepayment will not impair the security of all currently outstanding Bonds, as reasonably determined by the Administrator. Such determination shall include identifying all Assessor's Parcels that are expected to be classified as Exempt Property.

Notwithstanding the above, the ability to prepay the Special Tax obligation of an Assessor's Parcel may be suspended, by the Administrator, acting in his or her absolute and sole discretion for and on behalf of the District, without notice to the owners of property within the District for a period of time, not to exceed sixty (60) days, prior to the scheduled issuance of Bonds by the District to assist in the efficient preparation of the required bond market disclosure.

SECTION H

PARTIAL PREPAYMENT OF SPECIAL TAXES

1. Partial Prepayment Times and Conditions

The Special Tax obligation for Assessor's Parcels of Taxable Property may be partially prepaid in increments of ten (10) Units, provided that there are no delinquent Special Taxes, penalties, or interest charges outstanding with respect to such Assessor's Parcels at the time the Special Tax obligation would be partially prepaid. An owner of an Assessor's Parcel(s) intending to partially prepay the Special Tax shall provide the District with written notice of their intent to partially prepay. Within thirty (30) days of receipt of such written notice, the Administrator shall determine the Partial Prepayment Amount of such Assessor's Parcel and shall notify such owner of such Partial Prepayment Amount.

2. Partial Prepayment Calculation

The Partial Prepayment Amount shall be calculated according to the following formula:

$$PP = PVT \times F - RFC + PAF$$

The terms above have the following meanings:

PP	=	the Partial Prepayment Amount
PVT	=	Present Value of Taxes
F	=	the percent by which the owner of the Assessor's Parcel is partially prepaying the Special Tax obligation
RFC	=	Reserve Fund Credit
PAF	=	Prepayment Administrative Fees

3. Partial Prepayment Procedures and Limitations

The amount representing the Present Value of Taxes attributable to the prepayment less the Reserve Fund Credit attributable to the prepayment shall, prior to the issuance of Bonds, be deposited into a separate account held with the School District and disbursed in accordance with the Mitigation Agreement and after the issuance of Bonds be deposited into the applicable account or fund established under the trust agreement or indenture agreement or fiscal agent agreement and used to pay debt service or redeem Bonds. The amount representing the Prepayment Administrative Fees attributable to the prepayment shall be retained and deposited into the applicable account by the District.

With respect to any Assessor's Parcel for which the Special Tax obligation is partially prepaid, the Board shall indicate in the records of the District that there has been a partial prepayment of the Special Tax obligation and shall cause a suitable notice to be recorded in compliance with the Act to indicate the partial prepayment of the Special Tax obligation and the partial release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay such prepaid portion of the Special Tax shall cease. Additionally, the notice shall indicate that the Assigned Annual Special Tax and the Backup Annual Special Tax if applicable for the Assessor's Parcel has been reduced by an amount equal to the percentage which was partially prepaid.

Notwithstanding the foregoing, no partial prepayment will be allowed unless the amount of Special Taxes that may be levied on Taxable Property, excluding Provisional Undeveloped Property, after such partial prepayment, net of Administrative Expenses, shall be at least 1.15 times the regularly scheduled annual interest and principal payments on all currently outstanding Bonds in each future Fiscal Year and such partial prepayment will not impair the security of all currently outstanding Bonds, as reasonably determined by the Administrator. Such determination shall include identifying all Assessor's Parcels that are expected to be classified as Exempt Property.

Notwithstanding the above, the ability to prepay the Annual Special Tax obligation of an Assessor's Parcel may be suspended, by the Administrator, acting in his or her absolute and sole discretion for and on behalf of the District, without notice to the owners of property within the District for a period of time, not to exceed sixty (60) days, prior to the scheduled issuance of Bonds by the District to assist in the efficient preparation of the required bond market disclosure.

SECTION I ANNUAL SPECIAL TAX REMAINDER

In any Fiscal Year which the Special Taxes collected from Developed Property exceeds the amount needed to make regularly scheduled annual interest and principal payments on outstanding Bonds and pay Administrative Expenses, the School District may use such amount for acquisition, construction or financing of school facilities and certain costs associated with the maintenance and operations of school facilities in accordance with the Act, District proceedings and other applicable laws as determined by the Board.

SECTION J TERMINATION OF SPECIAL TAX

The Special Tax shall be levied for a term of three (3) Fiscal Years after the final maturity of the last series of Bonds, provided that the Special Tax shall not be levied later than Fiscal Year 2058/2059. However, the Special Tax may cease to be levied in an earlier Fiscal Year if the Board has determined (i) that all required interest and principal payments on the Bonds have been paid, (ii) all authorized facilities of the District have been acquired and all reimbursements have been paid, and (iii) all other obligations of the District have been satisfied.

SECTION K EXEMPTIONS

The Administrator shall classify as Exempt Property in the chronological order in which each Assessor Parcel becomes (i) owned by the State of California, federal or other local governments, (ii) used as places of worship and are exempt from *ad valorem* property taxes because they are owned by a religious organization, (iii) owned by a homeowners' association, (iv) burdened with a public or utility easements making impractical their utilization for other than the purposes set forth in the easement, or (v) any other Assessor's Parcels at the reasonable discretion of the Board, provided that no such classification would reduce the Net Taxable Acreage to less than 10.852 acres of Acreage ("Minimum Taxable Acreage").

Notwithstanding the above, the Administrator or Board shall not classify an Assessor's Parcel as Exempt Property if such classification would reduce the sum of the Acreage of all Taxable Property to less than the Minimum Taxable Acreage. Assessor's Parcels which cannot be classified as Exempt Property because such classification would reduce the Acreage of all Taxable Property to less than the Minimum Taxable Acreage will be classified as Provisional Undeveloped Property, as applicable, and will continue to be subject to Special Taxes accordingly.

SECTION L APPEALS

Any property owner claiming that the amount or application of the Special Tax is not correct may file a written notice of appeal with the Administrator to be received by the Administrator not later than six (6) months after having paid the first installment of the Special Tax that is disputed. The reissuance or cancellation of a building permit is not an eligible reason for appeal. In order to be considered sufficient, any notice of appeal must (i) specifically identify the property by address and Assessor's Parcel Number, (ii) state the amount in dispute and whether it is the whole amount or only a portion of the Special Tax, (iii) state all grounds on which the property owner is disputing the amount or

application of the Special Tax, including a reasonably detailed explanation as to why the amount or application of such Special Tax is incorrect, (iv) include all documentation, if any, in support of the claim, and (v) be verified under penalty of perjury by the person who paid the Special Tax or his or her guardian, executor or administrator. The Administrator shall promptly review the appeal, and if necessary, meet with the property owner, consider written and oral evidence regarding the amount of the Special Tax, and rule on the appeal. If the representative's decision requires that the Special Tax for an Assessor's Parcel be modified or changed in favor of the property owner, a cash refund shall not be made (except for the last year of levy), but an adjustment shall be made to the Special Tax on that Assessor's Parcel in the subsequent Fiscal Year(s) as the representative's decision shall indicate.

SECTION M MANNER OF COLLECTION

The Special Tax shall be collected in the same manner and at the same time as ordinary *ad valorem* property taxes and shall be subject to the same penalties, the same procedure, sale and lien priority in the case of delinquency; provided, however, that the District may directly bill all or a portion of the Special Tax, may collect Special Taxes at a different time or in a different manner if necessary to meet its financial obligations, and if so collected, a delinquent penalty of ten percent (10%) of the Special Tax will attach at 5:00 p.m. on the date the Special Tax becomes delinquent and interest at 1.5% per month of the Special Tax will attach on the July 1 after the delinquency date and the first of each month thereafter until such Special Taxes are paid.

RESOLUTION NO. 18-81

RESOLUTION OF THE BOARD OF TRUSTEES OF THE WESTSIDE UNION SCHOOL DISTRICT, ACTING AS THE LEGISLATIVE BODY OF WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, WITH IMPROVEMENT AREA NOS. 1 AND 2 DETERMINING THE NECESSITY TO INCUR BONDED INDEBTEDNESS IN THE AMOUNT NOT TO EXCEED \$10,000,000, AGGREGATE, AND NOT TO EXCEED \$5,000,000 IN IMPROVEMENT AREA NO. 1 AND \$5,000,000 IN IMPROVEMENT AREA NO. 2, RESPECTIVELY; AND CALLING A SPECIAL ELECTION

WHEREAS, the Board of Trustees ("Board") of the Westside Union School District ("District") has adopted Resolution No. _____ ("Resolution of Formation") forming Westside Union School District Community Facilities District No. 2018-1 ("CFD") and Improvement Area Nos. 1 and 2 therein (each, an "Improvement Area" and, collectively, the "Improvement Areas"), pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, ("Act"), to finance the acquisition, construction, equipping and furnishing of specified District facilities, facilities of the Antelope Valley Union High School District ("AVUHSD"), and facilities of County Sanitation District No. 14 of Los Angeles County ("Sanitation District"), which facilities are more specifically defined in the Resolution of Formation (collectively, "Facilities"); and

WHEREAS, the Board of the District has heretofore adopted Resolution No. 18-45 (the "Resolution of Intention") providing for the financing of the Facilities, subject to the authorization of bonds in total amount not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 in Improvement Area No. 1 and \$5,000,000 in Improvement Area No. 2, respectively, which amounts may be issued to finance Facilities for the CFD, the Map of which is now on file in the office of the Clerk of this Board and the levy of a special tax within each Improvement Area to finance the Facilities and to pay principal of and interest on such bonds, being approved at an election to be held within the boundaries of the CFD and each Improvement Area; and

WHEREAS, copies of the Resolution of Formation and the Resolution of Intention are on file with the Clerk and incorporated herein by reference; and

WHEREAS, in order to finance the Facilities, it is necessary to incur bonded indebtedness in the amount not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 in Improvement Area No. 1 and \$5,000,000 in Improvement Area No. 2, which amounts may be issued to finance Facilities for the CFD, the repayment of which is to be secured by special taxes levied in accordance with Section 53340 *et seq.* of the Act within each Improvement Area.

NOW, THEREFORE, THE BOARD OF TRUSTEES OF THE WESTSIDE UNION SCHOOL DISTRICT, ACTING AS THE LEGISLATIVE BODY OF WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:

1. The above recitals are true and correct.

2. It is necessary to incur bonded indebtedness in the amount not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 in Improvement Area No. 1 and \$5,000,000 in Improvement Area No. 2, respectively, which amounts may be issued to finance the costs of the Facilities for the CFD.

3. The indebtedness will be incurred for the purpose of financing the costs of acquiring or constructing the Facilities, the financing of the costs associated with the issuance of the bonds and all other costs necessary to finance the Facilities which are permitted to be financed pursuant to the Act.

4. The bonds shall be issued in one or more series for each Improvement Area at a maximum interest rate not to exceed 12 percent per annum or such rate not in excess of the maximum rate permitted by law at the time the bonds are issued, and payable annually or semiannually as determined by the Board. The term of the bonds shall be determined pursuant to a resolution of the Board authorizing the issuance of the bonds, but such term shall in no event exceed 40 years or such longer term as is then permitted by law.

5. Pursuant to and in compliance with the provisions of Article 1.5 (commencing with Section 53410) of Chapter 3 of Part 1 of Division 2 of Title 5 of the Government Code, the Board hereby establishes the following accountability measures pertaining to any bonded indebtedness incurred by or on behalf of the District:

(a) Such bonded indebtedness shall be incurred for the specific purposes set forth in Section 3 above.

(b) The proceeds of any such bonded indebtedness shall be applied only to the specific purposes identified in Section 3 above.

(c) The document or documents establishing the terms and conditions for the issuance of any such bonded indebtedness shall provide for the creation of an account or accounts into which the proceeds of such bonded indebtedness shall be deposited.

(d) The Superintendent, or his/her designee, acting for and on behalf of the District, shall annually file a report with the Board as required by Government Code Section 53411.

6. Pursuant to Government Code Section 53353.5, the Board hereby determines to submit to the qualified electors of each Improvement Area a proposition ("CFD Proposition") to: (1) levy special taxes on property within the Improvement Area in accordance with the rate and method of apportionment of special tax for the Improvement Area specified in the Resolution of Formation; (2) incur bonded indebtedness in the amount not to exceed \$10,000,000, aggregate, and \$5,000,000 in Improvement Area No. 1 and 5,000,000 in Improvement Area No. 2, respectively, which amounts may be issued to finance Facilities for the CFD; and (3) establish an appropriations limit as defined by subdivision (h) of Section 8 of Article XIIB of the California Constitution, for the CFD. Said appropriations limit shall equal the maximum amount of bonded indebtedness authorized to be incurred for the CFD. The form of Ballot and the CFD Proposition for each Improvement Area is attached as Exhibit A.

7. A special election is hereby called for each Improvement Area on the CFD Proposition described in Section 6 above.

8. In accordance with the provisions of the Act, and specifically Section 53327, the District has received the waiver of all applicable waiting periods for the election and the requirement for analysis and arguments relating to the election, as set forth in Section 53327 of the Act, and the consent of 100% of the landowners residing in the territory of each Improvement Area to not having such materials provided to the landowners in the ballot packet, and the express waiver of any requirements as to the form of the ballot.

9. The time for notice having been waived by the qualified electors within each Improvement Area, the date of the special election for the Improvement Area on the CFD Proposition shall be on June 5, 2018. There being no registered voters residing within the territory of each Improvement Area at the time of the protest hearing and for a period of ninety (90) days prior thereto, there being only one landowner in each Improvement Area, and the requirements of Section 53326 of the Government Code having been waived by the landowners, the ballots for the special election were mailed or caused to be mailed with return postage prepaid or by personal delivery to the landowners within the Improvement Areas. The voter ballot shall be returned to the Clerk of Westside Union School District at its District office located at 41914 N. 50th Street West, Quartz Hill, California, 93536, no later than 5:00 p.m. on June 5, 2018. However, the election may be closed within the discretion of the Clerk, as soon as the ballot is returned. Each landowner shall have one (1) vote for each acre or portion thereof that he, she or it owns within the Improvement Area, as provided by Section 53326 of the Act.

10. Notice of said election and written argument for or against the measure have been waived by the landowners.

11. The CFD shall constitute a single election precinct for the purpose of holding said special election.

12. The Board hereby directs that the special election be conducted by the Clerk of the Board, as the elections official ("Election Official"). The Election Official is hereby requested to continue to take any and all steps necessary for the holding of the Election consistent with this Resolution.

13. The members of the Board and their authorized representatives are, and each of them acting alone is, hereby authorized to execute any and all documents and agreements and perform any and all acts and things, from time to time, consistent with this resolution and necessary or appropriate to carry the same into effect and to carry out its purpose.

14. This Resolution shall take effect from and after the date of its passage and adoption.

PASSED AND ADOPTED by the Board of Trustees of the Westside Union School District on the 5th day June, 2018, by the following vote:

AYES: _____

ABSENT: _____

NAYS: _____

ABSTAIN: _____

John Curiel
President, Board of Trustees
Westside Union School District

ATTEST:

Linda Jones
Clerk, Board of Trustees
Westside Union School District

EXHIBIT A-1

OFFICIAL BALLOT

**WESTSIDE UNION SCHOOL DISTRICT COMMUNITY
FACILITIES DISTRICT NO. 2018-1
IMPROVEMENT AREA NO. 1**

**SPECIAL TAX ELECTION
June 5, 2018**

To vote, mark an "X" in the voting square after the word "YES" or after the word "NO." All marks otherwise made are forbidden.

This ballot is provided to STG MONTECITO WEST, LLC, a California limited liability company, as an owner or authorized representative of such owner of the land within Improvement Area No. 1 of Westside Union School District Community Facilities District No. 2018-1 and represents _____ (____) votes. STG Montecito West, LLC is entitled to one vote for each acre or portion thereof it owns within Improvement Area No. 1.

If you wrongly mark, tear, or deface this ballot, return it to the Clerk of the Westside Union School District at 41914 50th St W, Quartz Hill, CA 93536.

PROPOSITION: Shall Westside Union School District Community Facilities District No. 2018-1 ("CFD"), as indicated on the amended CFD boundary map ("Map"), now on file in the office of the Clerk of this Board entitled "Proposed Boundaries, Westside Union School District, Community Facilities District No. 2018-1" subject to the accountability measures provided for in the Resolution Calling Special Election adopted by the Board of Trustees of the Westside Union School District ("Board") on the date hereof, incur an indebtedness and be authorized to issue bonds in an amount not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 within Improvement Area No. 1 of the CFD, that the CFD is authorized to issue with interest at a rate or rates established at such time as the bonds are sold in one or more series at fixed or variable interest rates, but not to exceed any applicable statutory rate for such bonds, the proceeds of which will be used to finance certain facilities of the Westside Union School District, the Antelope Valley Union High School District, and the County Sanitation District No. 14 of Los Angeles County (collectively, "Facilities") as more specifically described in the Resolution of Formation adopted by the Board on the date hereof; and, shall a special tax be levied within Improvement Area No. 1 in accordance with the amended rate and method of apportionment of special taxes attached as Exhibit B to such Resolution of Formation to pay the principal of and interest on such indebtedness and bonds and to otherwise finance the Facilities; and shall an appropriations limit be established for the CFD pursuant to Article XIIB of the California Constitution, said appropriations limit to be equal to the maximum amount of bonded indebtedness authorized to be incurred for the CFD?

YES	
NO	

EXHIBIT A-2

OFFICIAL BALLOT

WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1 IMPROVEMENT AREA NO. 2

SPECIAL TAX ELECTION June 5, 2018

To vote, mark an "X" in the voting square after the word "YES" or after the word "NO." All marks otherwise made are forbidden.

This ballot is provided to STG MONTECITO WEST, LLC, a California limited liability company, as an owner or authorized representative of such owner of the land within Improvement Area No. 2 of Westside Union School District Community Facilities District No. 2018-1 and represents _____ (____) votes. STG Montecito West, LLC is entitled to one vote for each acre or portion thereof it owns within Improvement Area No. 2.

If you wrongly mark, tear, or deface this ballot, return it to the Clerk of the Westside Union School District at 41914 50th St W, Quartz Hill, CA 93536.

PROPOSITION: Shall Westside Union School District Community Facilities District No. 2018-1 ("CFD"), as indicated on the amended CFD boundary map ("Map"), now on file in the office of the Clerk of this Board entitled "Proposed Boundaries, Westside Union School District, Community Facilities District No. 2018-1," subject to the accountability measures provided for in the Resolution Calling Special Election adopted by the Board of Trustees of the Westside Union School District ("Board") on the date hereof, incur an indebtedness and be authorized to issue bonds in an amount not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 within Improvement Area No. 2 of the CFD, that the CFD is authorized to issue with interest at a rate or rates established at such time as the bonds are sold in one or more series at fixed or variable interest rates, but not to exceed any applicable statutory rate for such bonds, the proceeds of which will be used to finance certain facilities of the Westside Union School District, the Antelope Valley Union High School District, and the County Sanitation District No. 14 of Los Angeles County (collectively, "Facilities") as more specifically described in the Resolution of Formation adopted by the Board on the date hereof; and, shall a special tax be levied within Improvement Area No. 2 in accordance with the amended rate and method of apportionment of special taxes attached as Exhibit C to such Resolution of Formation to pay the principal of and interest on such indebtedness and bonds and to otherwise finance the Facilities; and shall an appropriations limit be established for the CFD pursuant to Article XIII B of the California Constitution, said appropriations limit to be equal to the maximum amount of bonded indebtedness authorized to be incurred for the CFD?

YES	
NO	

RESOLUTION NO. 18-82

RESOLUTION OF THE BOARD OF TRUSTEES OF THE WESTSIDE UNION SCHOOL DISTRICT, ACTING AS THE LEGISLATIVE BODY OF THE WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, CANVASSING THE RESULTS OF THE ELECTION HELD REGARDING THE INCURRENCE OF DEBT

WHEREAS, the Board of Trustees (“Board”) of the Westside Union School District (“District”) has previously conducted proceedings pertaining to the formation of the Westside Union School District Community Facilities District No. 2018-1 (“CFD”) and Improvement Area No. 1 and Improvement Area No. 2 therein (each, an “Improvement Area” and, collectively, the “Improvement Areas”), the authorization of indebtedness in the amount not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 in Improvement Area No. 1 and \$5,000,000 in Improvement Area No. 2, respectively, within the CFD, as indicated on the amended CFD boundary map (“Map”), now on file in the office of the Clerk of this Board, the amended rate and method of apportionment for the levy and collection of special taxes within each Improvement Area (“Special Tax”) to pay the costs of specified Facilities, including the payment of principal and interest on bonds issued or other debt, the establishment of an appropriations limit, and the calling of an election in regard to the foregoing; and

WHEREAS, the Board has adopted Resolution No. _____ determining the validity of prior proceedings and establishing the CFD and the Improvement Areas (“Resolution of Formation”); and

WHEREAS, on June 5, 2018, an election was held regarding the authorization of not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 in Improvement Area No. 1 and \$5,000,000 in Improvement Area No. 2, respectively, of indebtedness within the CFD, the rate and method of apportionment of the Special Tax for each Improvement Area, and the establishment of an appropriations limit (“Election”); and

WHEREAS, at the Election, the propositions for incurring the bonded indebtedness, the rate and method of apportionment and manner of collection of the Special Tax for each Improvement Area and establishing an appropriations limit for the CFD was approved by the requisite 2/3rds vote by qualified electors within each Improvement Area.

NOW, THEREFORE, THE BOARD OF TRUSTEES OF THE WESTSIDE UNION SCHOOL DISTRICT DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:

1. The election conducted within each Improvement Area of the CFD was duly and validly conducted.
2. The Board, acting as the legislative body of the CFD, is authorized to levy the Special Tax on behalf of the CFD within each Improvement Area, as specified in the Resolution of Formation.

3. The Board is authorized to incur indebtedness on behalf of the CFD in the maximum amount not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 in Improvement Area No. 1 and \$5,000,000 in Improvement Area No. 2, respectively, which amounts may be issued to finance Facilities for the CFD.

4. The Clerk is hereby directed and authorized to (i) complete the certifications attached hereto as Exhibit A and Exhibit B regarding the canvas of returns of the Election and the total number of ballots cast in each Improvement Area for and against the measure, (ii) record or cause to be recorded notice of the special tax of the CFD for each Improvement Area by recording a Notice of Special Tax Lien of the CFD for each Improvement Area pursuant to Section 3117.5 of the California Streets and Highways Code and (iii) record or cause to be recorded with respect to all property within the CFD a notice of cancellation and extinguishment of lien of the special taxes of Improvement Areas A and C of Westside Union School District Community Facilities District No. 2007-1, the form of which shall be approved by counsel for the District.

PASSED AND ADOPTED by the Board of Trustees of the Westside Union School District on the 5th day June, 2018, by the following vote:

AYES: _____

ABSENT: _____

NAYS: _____

ABSTAIN: _____

John Curiel
President, Board of Trustees
Westside Union School District

ATTEST:

Linda Jones
Clerk, Board of Trustees
Westside Union School District

EXHIBIT A

**FORM OF CANVASS AND STATEMENT OF RESULTS OF ELECTION
OF THE WESTSIDE UNION SCHOOL DISTRICT
COMMUNITY FACILITIES DISTRICT NO. 2018-1, IMPROVEMENT AREA NO. 1**

The undersigned Clerk of the Board of Trustee of Westside Union School District certifies that he canvassed the returns of the special election held on June 5, 2018, with respect to the authorization of special taxes to be levied within Improvement Area No. 1 ("Improvement Area") of Community Facilities District No. 2018-1 of the Westside Union School District ("CFD") and the authorization of bonds to be issued by the CFD secured by such special taxes and the total number of ballots cast in the Improvement Area and the total number of votes cast for and against the measure are as follows and the totals as shown for and against the measure are full, true and correct:

	Qualified Landowner Votes	Votes Cast	YES	NO
Westside Union School District Community Facilities District No. 2018-1, Improvement Area No. 1 June 5, 2018	_____	_____	_____	_____

PROPOSITION: Shall Westside Union School District Community Facilities District No. 2018-1 ("CFD"), as indicated on the amended CFD boundary map ("Map") now on file in the office of the Clerk of this Board entitled "Proposed Boundaries, Westside Union School District, Community Facilities District No. 2018-1," subject to the accountability measures provided for in the Resolution Calling Special Election adopted by the Board of Trustee of the Westside Union School District ("Board") on the date hereof, incur an indebtedness and be authorized to issue bonds in an amount not to exceed \$10,000,000, aggregate, for the CFD and not to exceed \$5,000,000 with respect to Improvement Area No. 1 of the CFD, that the CFD is authorized to issue with interest at a rate or rates established at such time as the bonds are sold in one or more series at fixed or variable interest rates, but not to exceed any applicable statutory rate for such bonds, the proceeds of which will be used to finance certain facilities of the Westside Union School District, Antelope Valley Union High School District, and County Sanitation District No. 14 of Los Angeles County ("Sanitation District") (collectively, "Facilities") as more specifically described in the Resolution of Formation adopted by the Board on the date hereof; and, shall a special tax be levied within Improvement Area No. 1 in accordance with the amended rate and method of apportionment of special taxes attached as Exhibit B to such Resolution of Formation to pay the principal of and interest on such indebtedness and bonds and to otherwise finance the Facilities; and shall an appropriations limit be established for the CFD pursuant to Article XIIB of the California Constitution, said appropriations limit to be equal to the maximum amount of bonded indebtedness authorized to be incurred for the CFD?

Certified under penalty of perjury on June 5, 2018, at Quartz Hill, California.

Linda Jones, Clerk of the Board of Trustees

EXHIBIT B
FORM OF CANVASS AND STATEMENT OF RESULTS OF ELECTION
OF THE WESTSIDE UNION SCHOOL DISTRICT
COMMUNITY FACILITIES DISTRICT NO. 2018-1, IMPROVEMENT AREA NO. 2

The undersigned Clerk of the Board of Trustee of Westside Union School District certifies that he canvassed the returns of the special election held on June 5, 2018, with respect to the authorization of special taxes to be levied within Improvement Area No. 2 ("Improvement Area") of Community Facilities District No. 2018-1 of the Westside Union School District ("CFD") and the authorization of bonds to be issued by the CFD secured by such special taxes and the total number of ballots cast in the Improvement Area and the total number of votes cast for and against the measure are as follows and the totals as shown for and against the measure are full, true and correct:

	Qualified Landowner Votes	Votes Cast	YES	NO
Westside Union School District Community Facilities District No. 2018-1, Improvement Area No. 2 June 5, 2018	_____	_____	_____	_____

PROPOSITION: Shall Westside Union School District Community Facilities District No. 2018-1 ("CFD"), as indicated on the amended CFD boundary map ("Map") now on file in the office of the Clerk of this Board entitled "Proposed Boundaries, Westside Union School District, Community Facilities District No. 2018-1," subject to the accountability measures provided for in the Resolution Calling Special Election adopted by the Board of Trustee of the Westside Union School District ("Board") on the date hereof, incur an indebtedness and be authorized to issue bonds in an amount not to exceed \$10,000,000, aggregate, for the CFD and not to exceed \$5,000,000 with respect to Improvement Area No. 2 of the CFD, that the CFD is authorized to issue with interest at a rate or rates established at such time as the bonds are sold in one or more series at fixed or variable interest rates, but not to exceed any applicable statutory rate for such bonds, the proceeds of which will be used to finance certain facilities of the Westside Union School District, Antelope Valley Union High School District, and County Sanitation District No. 14 of Los Angeles County ("Sanitation District") (collectively, "Facilities") as more specifically described in the Resolution of Formation adopted by the Board on the date hereof; and, shall a special tax be levied within Improvement Area No. 2 in accordance with the amended rate and method of apportionment of special taxes attached as Exhibit C to such Resolution of Formation to pay the principal of and interest on such indebtedness and bonds and to otherwise finance the Facilities; and shall an appropriations limit be established for the CFD pursuant to Article XIII B of the California Constitution, said appropriations limit to be equal to the maximum amount of bonded indebtedness authorized to be incurred for the CFD?

Certified under penalty of perjury on June 5, 2018, at Quartz Hill, California.

Linda Jones, Clerk of the Board of Trustees

ORDINANCE NO. 18-83

ORDINANCE OF THE BOARD OF TRUSTEES OF THE WESTSIDE UNION SCHOOL DISTRICT, ACTING AS THE LEGISLATIVE BODY OF WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, AUTHORIZING THE LEVY OF A SPECIAL TAX WITHIN IMPROVEMENT AREA NOS. 1 AND 2 THEREIN

WHEREAS, on April 3, 2018, the Board of Trustees ("Board") of the Westside Union School District ("District") adopted Resolution Nos. 18-44 and 18-45 ("Resolutions of Intention") stating its intention to form Westside Union School District Community Facilities District No. 2018-1 ("CFD") and Improvement Area Nos. 1 and 2 therein (each, an "Improvement Area" and, collectively, "Improvement Areas") and the necessity to incur bonded indebtedness in the amount not to exceed \$10,000,000, aggregate, and not to exceed \$5,000,000 in Improvement Area No. 1 and \$5,000,000 in Improvement Area No. 2, respectively, with the proposed boundaries indicated on a proposed CFD boundary map ("Proposed Map"), to finance the acquisition and/or construction of District facilities, facilities of the Antelope Valley Union High School District ("AVUHSD"), and facilities of County Sanitation District No. 14 of Los Angeles County ("Sanitation District") as more specifically defined in the Resolution of Intention (collectively, "Facilities"); and

WHEREAS, notice was published as required by law relative to the Board's intention to form the CFD and to incur bonded indebtedness in amounts not exceeding the specified amounts to finance the Facilities; and

WHEREAS, on June 5, 2018, the Board adopted Resolution No. XXXX approving an amended CFD boundary map (the "Amended Map") which Amended Map is now on file in the office of the Clerk of the Board and held a noticed public hearing as required by law regarding the formation of the CFD and the Improvement Areas, the rate and method of apportionment and manner of collection of the special tax to be levied within each Improvement Area, and regarding the necessity to authorize the issuance of bonds, the purpose for which the bonds are to be issued, the amount of the proposed debt, the maximum term of the bonds and the maximum annual rate of interest to be paid; and

WHEREAS, at said hearing all persons desiring to be heard on all matters pertaining to the formation of the CFD and the Improvement Areas, the proposed levy of the special tax within each Improvement Area, and the incurring of bonded indebtedness by the CFD on behalf of each Improvement Area were heard and a full and fair hearing was held; and

WHEREAS, the Board, subsequent to said hearing, adopted Resolution No. XXXX determining the validity of prior proceedings and establishing the CFD ("Resolution of Formation"); and

WHEREAS, the Board, acting as the legislative body of the CFD, subsequent to the hearing, adopted Resolution No. XXXX, calling an election within each Improvement Area for June 5, 2018, on the propositions to incur bonded indebtedness for each Improvement Area, levying a special tax within each Improvement Area and setting an appropriations limit; and

WHEREAS, on June 5, 2018, an election was held within each Improvement Area in which the eligible electors approved by more than two-thirds vote the proposition of incurring bonded indebtedness, levying a special tax, and setting an appropriations limit.

NOW, THEREFORE, THE BOARD OF TRUSTEES OF THE WESTSIDE UNION SCHOOL DISTRICT, ACTING AS THE LEGISLATIVE BODY OF THE WESTSIDE UNION SCHOOL DISTRICT COMMUNITY FACILITIES DISTRICT NO. 2018-1, DOES HEREBY ORDAIN, DETERMINE AND ORDER AS FOLLOWS:

1. A special tax is authorized to be levied within Improvement Area Nos. 1 and 2 ("Special Tax") pursuant to the formulas set forth in Exhibits A and B, respectively (each, a "Rate and Method") attached hereto and incorporated by reference in an amount necessary to pay all of the costs of providing the Facilities, periodic costs, and costs of the tax levy and collection, and all other costs including amounts payable with respect to the bonded indebtedness.

2. The Superintendent or designee, on or before August 10 of each year, is authorized to determine the specific Special Tax rate and amount to be levied for the then current or future tax years within each Improvement Area, except that the Special Tax rate to be levied shall not exceed the maximum rate set forth in the applicable Rate and Method.

3. All Special Tax collections shall be used as provided for in the Act, the Resolution of Intention and the Resolution of Formation.

4. The Special Tax shall be collected in each Improvement Area in the same manner as ordinary *ad valorem* taxes are collected and shall be subject to the same penalties and the same procedure for sale in cases of delinquency as provided for ad valorem taxes; *provided, however*, the CFD may collect the Special Tax at a different time or in a different manner if necessary to meet its financial obligations.

5. The President shall sign this ordinance and the Clerk shall attest to such signature. The Clerk is directed to cause the title and summary or text of this ordinance to be published within fifteen (15) days after its passage at least once in a newspaper of general circulation published and circulated within the jurisdiction of the District, and to post at the main office of the District a certified copy of the full text of the adopted ordinance.

6. The ordinance takes effect and shall be in force from and after 30 days from the date of final passage. A copy of the ordinance shall be transmitted to the Clerk of the Board of Supervisors of Los Angeles County, the Assessor and the Treasurer-Tax Collector of Los Angeles County.

PASSED AND ADOPTED by the Board of Trustees of the Westside Union School District on the 5th day June, 2018, by the following vote:

AYES: _____

ABSENT: _____

NAYS: _____

ABSTAIN: _____

John Curiel
President, Board of Trustees
Westside Union School District

ATTEST:

Linda Jones
Clerk, Board of Trustees
Westside Union School District

EXHIBIT A
AMENDED RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAX
IMPROVEMENT AREA NO. 1

**AMENDED
RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAXES OF
IMPROVEMENT AREA 1 OF COMMUNITY FACILITIES DISTRICT
NO. 2018-1 OF THE WESTSIDE UNION SCHOOL DISTRICT**

A Special Tax (as defined herein) shall be levied on and collected from all Assessor's Parcels in Improvement Area ("IA") 1 of Community Facilities District ("CFD") No. 2018-1 of the Westside Union School District ("School District") each Fiscal Year commencing in Fiscal Year 2018/2019, in an amount determined by the Board through the application of the Amended Rate and Method of Apportionment of Special Taxes ("RMA") described below. All the real property within the District, unless exempted by law or by provisions hereof, shall be taxed for the purposes, to the extent and in the manner herein provided.

**SECTION A
DEFINITIONS**

For purposes of this RMA, the terms hereinafter set forth have the following meanings:

"Acreage" means the number of acres of land area of an Assessor's Parcel as shown on an Assessor's Parcel Map, or if the land area is not shown on an Assessor's Parcel Map, the Administrator may rely on the land area shown on the applicable Final Map.

"Act" means the Mello-Roos Communities Facilities Act of 1982, as amended, being Chapter 2.5, Division 2 of Title 5 of the Government Code of the State of California.

"Administrative Expenses" means any ordinary and necessary expense incurred by the School District on behalf of the District related to the determination of the amount of the levy of Special Taxes, the collection of Special Taxes, including, but not limited to, the reasonable expenses of collecting delinquencies, the administration of Bonds, the proportionate payment of salaries and benefits of any School District employee whose duties are directly related to the administration of the District, and reasonable costs otherwise incurred in order to carry out the authorized purposes of the District including a proportionate amount of School District general administrative overhead related thereto.

"Administrator" means an official of the School District or designee thereof, responsible for determining the levy and collection of the Special Taxes.

"Annual Special Tax" means the Special Tax levied in any Fiscal Year on any Assessor's Parcel.

"Assessor's Parcel" means a parcel of land designated on an Assessor's Parcel Map with an assigned Assessor's Parcel Number within the boundaries of the District.

"Assessor's Parcel Map" means an official map of the Assessor of the County designating parcels by Assessor's Parcel Number.

"Assessor's Parcel Number" means that number assigned to an Assessor's Parcel by the County for purposes of identification.

"Assigned Annual Special Tax" means the Special Tax of that name described in Section D hereof.

"Backup Annual Special Tax" means the Special Tax of that name described in Section E hereof.

"Board" means the Governing Board (Board of Trustees) of the School District, or its designee, acting as the Legislative Body of the District.

"Bond Index" means the national Bond Buyer Revenue Index, commonly referenced as the 25-Bond Revenue Index. In the event the Bond Index ceases to be published, the index used shall be based on a comparable index for revenue bonds maturing in 30 years with an average rating equivalent to Moody's A1 and/or Standard & Poor's A+, as determined by the Board.

"Bond Yield" means the yield of the last series of Bonds issued. For purposes of this calculation the yield of the Bonds shall be the yield calculated at the time such Bonds are issued, pursuant to Section 148 of the Internal Revenue Code of 1986, as amended, for the purpose of the Non-Arbitrage (Tax) Certificate or other similar bond issuance document.

"Bonds" means any obligation to repay a sum of money, including obligations in the form of bonds, notes, certificates of participation, long-term leases, loans from government agencies, or loans from banks, other financial institutions, private businesses, or individuals, or long-term contracts, or any refunding thereof, to which the Special Taxes have been pledged for repayment.

"Building Square Footage" or "BSF" means the square footage of assessable internal living space of a Unit, exclusive of any carports, walkways, garages, overhangs, patios, enclosed patios, detached accessory structure, other structures not used as living space, or any other square footage excluded under Government Code Section 65995 as determined by reference to the building permit(s) for such Unit.

"City" means the City of Lancaster, California.

"County" means the County of Los Angeles, California.

"Developed Property" means all Assessor's Parcels of Taxable Property for which building permit(s) were issued on or before May 1 of the prior Fiscal Year, provided that such Assessor's Parcels were created on or before January 1 of the prior Fiscal Year, as reasonably determined by the Administrator.

"District" means IA 1 of Community Facilities District No. 2018-1 of the School District.

"Exempt Property" means all Assessor's Parcels designated as being exempt from Special Taxes pursuant to Section K hereof.

"Final Map" means a final tract map, parcel map, lot line adjustment, or functionally equivalent map or instrument that creates individual Lots, recorded in the Office of the County Recorder.

"Fiscal Year" means the period commencing on July 1 of any year and ending on the following June 30.

"Land Use Class or Classes" means the tax classifications depicted in Table 1 for all Assessor's Parcel of Developed Property based on the Building Square Footage of such Assessor's Parcel.

"Lot" means an individual legal lot created by a Final Map for which a building permit for residential construction has been or could be issued.

"Maximum Special Tax" means for each Assessor's Parcel, the maximum Special Tax, determined in accordance with Section C, which can be levied by the District in a given Fiscal Year on such Assessor's Parcel.

"Mitigation Agreement" means the Amended and Restated School Facilities Mitigation Agreement made and entered into as of April 3, 2018 by and among the School District and STG Montecito West, LLC.

"Net Taxable Acreage" means the total Acreage of Developed Property expected to exist within the District after all Final Maps are recorded.

"Partial Prepayment Amount" means the amount required to prepay a portion of the Special Tax obligation for an Assessor's Parcel as described in Section H hereof.

"Prepayment Administrative Fees" means any fees or expenses of the School District or the District associated with the prepayment of the Special Tax obligation of an Assessor's Parcel. Prepayment Administrative Fees shall include among other things the cost of computing the Prepayment Amount, redeeming Bonds, and recording any notices to evidence the prepayment and redemption of Bonds.

"Prepayment Amount" means the amount required to prepay the Special Tax obligation in full for an Assessor's Parcel as described in Section G hereof.

"Present Value of Taxes" means for any Assessor's Parcel the present value of (i) the unpaid portion, if any, of the Annual Special Tax applicable to such Assessor's Parcel in the current Fiscal Year and (ii) the Special Taxes expected to be levied on such Assessor's Parcel in each remaining Fiscal Year, as determined by the Administrator, until the termination date specified in Section J, but in no event longer than 33 Fiscal Years. The discount rate used for this calculation shall be equal to (a) the Bond Yield after Bond issuance or (b) the most recently published Bond Index prior to Bond issuance.

"Proportionately" means that the ratio of the actual Annual Special Tax levy to the applicable Assigned Annual Special Tax is equal for all applicable Assessor's Parcels. In the case of Developed Property subject to apportionment of the Annual Special Tax under Step Four of Section F, "Proportionately" shall mean that the quotient of (i) the Annual Special Tax less the Assigned Annual Special Tax divided by (ii) the Backup Annual Special Tax less the Assigned Annual Special Tax is equal for all applicable Assessor's Parcels.

"Provisional Undeveloped Property" means all Assessor's Parcels of Taxable Property that would otherwise be classified as Exempt Property pursuant to Section K but cannot be classified as Exempt Property because to do so would reduce the Net Taxable Acreage below the required minimum Acreage set forth in Section K, as applicable.

"Reserve Fund Credit" means an amount equal to the lesser of (i) the reduction in the applicable reserve fund requirement(s) resulting from the redemption of Bonds with the Prepayment Amount or (ii) ten percent (10%) of the amount of Bonds which will be redeemed. If a surety bond or other credit instrument satisfies the reserve requirement or the reserve requirement is underfunded at the time of the prepayment, no Reserve Fund Credit shall be given.

"School District" means the Westside Union School District, a public school district organized and operating pursuant to the Constitution and laws of the State of California.

"Special Tax" means any of the special taxes authorized to be levied by the District pursuant to the Act and this RMA.

"Special Tax Requirement" means the amount required in any Fiscal Year to pay (i) the debt service or the periodic costs on all outstanding Bonds, (ii) Administrative Expenses, (iii) the costs associated with the release of funds from an escrow account or accounts established in association with the Bonds, (iv) any amount required to establish or replenish any reserve funds (or accounts thereof) established in association with the Bonds, and (v) the collection or accumulation of funds for the acquisition or construction of school facilities and certain costs associated with the maintenance and operations of school facilities authorized by the District provided that the inclusion of such amount does not cause an increase in the levy of Special Tax on Approved Property, Undeveloped Property, or Provisional Undeveloped Property as set forth in Steps Two through Four of Section F, less (vi) any amount(s) available to pay debt service or other periodic costs on the Bonds pursuant to any applicable bond indenture, fiscal agent agreement, trust agreement, or equivalent agreement or document. In arriving at the Special Tax Requirement, the Administrator shall take into account the reasonably anticipated delinquent Special Taxes, provided that the amount included cannot cause the Annual Special Tax of an Assessor Parcel of Developed Property to increase by greater than ten percent (10%) of what would have otherwise been levied.

"Taxable Property" means all Assessor's Parcels which are not Exempt Property.

"Undeveloped Property" means all Assessor's Parcels of Taxable Property which are not Developed Property or Approved Property.

"Unit" means each separate residential dwelling unit, including but not limited to, a single family attached or detached unit, condominium, an apartment unit, mobile home, or otherwise, excluding hotel and motels.

SECTION B CLASSIFICATION OF ASSESSOR'S PARCELS

Each Fiscal Year, commencing with Fiscal Year 2018/2019, all Assessor's Parcels within the District shall be classified as either Taxable Property or Exempt. In addition, each Assessor's Parcel of Taxable Property shall be classified as Developed Property, Undeveloped Property or Provisional Undeveloped Property. Developed Property shall be further assigned to a Land Use Class, according to Table 1 below, based on the Building Square Footage of each Unit.

Table 1
Land Use Classification

Land Use Class	Building Square Footage
1	< 2,350 sq. ft.
2	2,350 – 2,600 sq. ft.
3	2,601 – 2,850 sq. ft.
4	2,851 – 3,100 sq. ft.
5	3,101 – 3,350 sq. ft.
6	3,351 – 3,600 sq. ft.
7	> 3,600 sq. ft.

SECTION C MAXIMUM SPECIAL TAX RATE

1. Developed Property

The Maximum Special Tax for each Assessor's Parcel classified as Developed Property shall be the greater of the amount derived by the application of the (a) Assigned Annual Special Tax or (b) Backup Annual Special Tax.

2. Undeveloped Property

The Maximum Special Tax for each Assessor's Parcel classified as Undeveloped Property or Provisional Undeveloped Property shall be derived by the application of the Assigned Annual Special Tax.

SECTION D ASSIGNED ANNUAL SPECIAL TAXES

1. Developed Property

The Assigned Annual Special Tax for each Assessor's Parcel of Developed Property will be determined in accordance with Table 2 below, subject to increases as described below.

Table 2
Fiscal Year 2018/2019
Assigned Annual Special Taxes
for Developed Property

Land Use Class	Building Square Footage	Assigned Annual Special Tax Rate
1	< 2,350 sq. ft.	\$1,958.00 per Unit
2	2,350 – 2,600 sq. ft.	\$2,029.00 per Unit
3	2,601 – 2,850 sq. ft.	\$2,167.00 per Unit
4	2,851 – 3,100 sq. ft.	\$2,230.00 per Unit
5	3,101 – 3,350 sq. ft.	\$2,257.00 per Unit
6	3,351 – 3,600 sq. ft.	\$2,283.00 per Unit
7	> 3,600 sq. ft.	\$2,561.46 per Unit

2. Undeveloped Property and Provisional Undeveloped Property

The Assigned Annual Special Tax for each Assessor's Parcel of Undeveloped Property or Provisional Undeveloped Property shall be \$13,327.19 per acre of Acreage, subject to increases as described below.

3. Increases in the Assigned Annual Special Tax

a. Developed Property

On each July 1, commencing July 1, 2019, the Assigned Annual Special Tax rate applicable to Developed Property shall be increased by two percent (2.00%).

b. Undeveloped Property and Provisional Undeveloped Property

On each July 1, commencing July 1, 2019, the Assigned Annual Special Tax rate per acre of Acreage for Undeveloped Property and Provisional Undeveloped Property shall be increased by two percent (2.00%).

SECTION E

BACKUP ANNUAL SPECIAL TAX

Each Fiscal Year, each Assessor's Parcel of Developed Property shall be subject to a Backup Annual Special Tax.

1. Calculation of the Backup Annual Special Tax Rate

The Backup Annual Special Tax rate for an Assessor's Parcel of Developed Property within a Final Map shall be the rate per Lot calculated in accordance with the following formula in Fiscal Year 2018/2019 or such later Fiscal Year in which such Final Map is created, subject to increases as described below:

$$B = (U \times A) / L$$

The terms above have the following meanings:

B	=	Backup Annual Special Tax per Lot for the applicable Fiscal Year
U	=	Assigned Annual Special Tax per Acre of Undeveloped Property in the Fiscal Year the calculation is performed
A	=	Acreage of Taxable Property expected to exist within such Final Map at the time of calculation, as determined by the Administrator
L	=	Number of Lots within the applicable Final Map at the time of calculation

2. Changes to a Final Map

If the Final Map(s) described in the preceding paragraph are subsequently changed or modified, then the Backup Annual Special Tax for each Assessor's Parcel of Developed Property changed or modified in each such Final Map shall be a rate per square foot of Acreage calculated as follows:

- a. Determine the total Backup Annual Special Tax revenue anticipated to apply to the changed or modified Assessor's Parcels prior to the change or modification.
- b. The result of paragraph a above shall be divided by the Acreage of Taxable Property of the modified Assessor's Parcels, as reasonably determined by the Administrator.
- c. The result of paragraph b above shall be divided by 43,560. The result is the Backup Annual Special Tax per square foot of Acreage that shall be applicable to the modified Assessor's Parcels, subject to increases as described below.

3. Increase in the Backup Annual Special Tax

Each July 1, commencing the July 1 following the initial calculation of the Backup Annual Special Tax rate for Developed Property within a Final Map, the Backup Annual Special Tax for each Lot within such Final Map shall be increased by two percent (2.00%) of the amount in effect the prior Fiscal Year.

SECTION F METHOD OF APPORTIONMENT OF THE ANNUAL SPECIAL TAX

Commencing Fiscal Year 2018/2019 and for each subsequent Fiscal Year, the Board shall levy Annual Special Taxes on all Taxable Property in accordance with the following steps:

- Step One:** The Special Tax shall be levied on each Assessor's Parcel of Developed Property at the Assigned Annual Special Tax applicable to each such Assessor's Parcel.
- Step Two:** If additional moneys are needed to satisfy the Special Tax Requirement after the first step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Undeveloped Property up to 100% of the Assigned Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.
- Step Three:** If additional moneys are needed to satisfy the Special Tax Requirement after the second step has been completed, the Special Tax on each Assessor's Parcel of Developed Property, for which the Maximum Special Tax is the Backup Annual Special Tax, shall be increased Proportionately from the Assigned Annual Special Tax up to 100% of the Backup Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.
- Step Four:** If additional moneys are needed to satisfy the Special Tax Requirement after the third step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Provisional Undeveloped Property up to 100% of the Assigned Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.

SECTION G PREPAYMENT OF SPECIAL TAXES

1. Special Tax Prepayment Times and Conditions

The Special Tax obligation of an Assessor's Parcel of Taxable Property may be prepaid, if there are no delinquent Special Taxes, penalties, or interest charges outstanding with respect to such Assessor's Parcel. An owner of an Assessor's Parcel intending to prepay the Special Tax shall provide the School District with written notice of intent to prepay. Within thirty (30) days of receipt of such written notice, the Administrator shall determine the Prepayment Amount for such Assessor's Parcel and shall notify such owner of such Prepayment Amount.

2. Special Tax Prepayment Calculation

The Prepayment Amount shall be calculated according to the following formula:

$$P = PVT - RFC + PAF$$

The terms above have the following meanings:

P	=	Prepayment Amount
PVT	=	Present Value of Taxes
RFC	=	Reserve Fund Credit
PAF	=	Prepayment Administrative Fees

3. Special Tax Prepayment Procedures and Limitations

The amount representing the Present Value of Taxes attributable to the prepayment less the Reserve Fund Credit attributable to the prepayment shall, prior to the issuance of Bonds, be deposited into a separate account held with the School District and disbursed in accordance with the Mitigation Agreement and after the issuance of Bonds be deposited into the applicable account or fund established under the trust agreement, indenture agreement or fiscal agent agreement and used to pay debt service or redeem Bonds. The amount representing the Prepayment Administrative Fees attributable to the prepayment shall be retained and deposited into the applicable account by the District.

With respect to any Assessor's Parcel for which the Special Tax is prepaid, the Board shall indicate in the records of the District that there has been a prepayment of the Special Tax obligation and shall cause a suitable notice to be recorded in compliance with the Act to indicate the prepayment of the Special Tax obligation and the release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay such Special Tax shall cease.

Notwithstanding the foregoing, no prepayment will be allowed unless the amount of Assigned Annual Special Taxes that may be levied on Taxable Property and net of Administrative

Expenses excluding Provisional Undeveloped Property, after such prepayment shall be at least 1.15 times the regularly scheduled annual interest and principal payments on all currently outstanding Bonds in each future Fiscal Year and such prepayment will not impair the security of all currently outstanding Bonds, as reasonably determined by the Administrator. Such determination shall include identifying all Assessor's Parcels that are expected to be classified as Exempt Property.

Notwithstanding the above, the ability to prepay the Special Tax obligation of an Assessor's Parcel may be suspended, by the Administrator, acting in his or her absolute and sole discretion for and on behalf of the District, without notice to the owners of property within the District for a period of time, not to exceed sixty (60) days, prior to the scheduled issuance of Bonds by the District to assist in the efficient preparation of the required bond market disclosure.

SECTION H

PARTIAL PREPAYMENT OF SPECIAL TAXES

1. Partial Prepayment Times and Conditions

The Special Tax obligation for Assessor's Parcels of Taxable Property may be partially prepaid in increments of ten (10) Units, provided that there are no delinquent Special Taxes, penalties, or interest charges outstanding with respect to such Assessor's Parcels at the time the Special Tax obligation would be partially prepaid. An owner of an Assessor's Parcel(s) intending to partially prepay the Special Tax shall provide the District with written notice of their intent to partially prepay. Within thirty (30) days of receipt of such written notice, the Administrator shall determine the Partial Prepayment Amount of such Assessor's Parcel and shall notify such owner of such Partial Prepayment Amount.

2. Partial Prepayment Calculation

The Partial Prepayment Amount shall be calculated according to the following formula:

$$PP = PVT \times F - RFC + PAF$$

The terms above have the following meanings:

PP	=	the Partial Prepayment Amount
PVT	=	Present Value of Taxes
F	=	the percent by which the owner of the Assessor's Parcel is partially prepaying the Special Tax obligation
RFC	=	Reserve Fund Credit
PAF	=	Prepayment Administrative Fees

3. Partial Prepayment Procedures and Limitations

The amount representing the Present Value of Taxes attributable to the prepayment less the Reserve Fund Credit attributable to the prepayment shall, prior to the issuance of Bonds, be deposited into a separate account held with the School District and disbursed in accordance with the Mitigation Agreement and after the issuance of Bonds be deposited into the applicable account or fund established under the trust agreement or indenture agreement or fiscal agent agreement and used to pay debt service or redeem Bonds. The amount representing the Prepayment Administrative Fees attributable to the prepayment shall be retained and deposited into the applicable account by the District.

With respect to any Assessor's Parcel for which the Special Tax obligation is partially prepaid, the Board shall indicate in the records of the District that there has been a partial prepayment of the Special Tax obligation and shall cause a suitable notice to be recorded in compliance with the Act to indicate the partial prepayment of the Special Tax obligation and the partial release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay such prepaid portion of the Special Tax shall cease. Additionally, the notice shall indicate that the Assigned Annual Special Tax and the Backup Annual Special Tax if applicable for the Assessor's Parcel has been reduced by an amount equal to the percentage which was partially prepaid.

Notwithstanding the foregoing, no partial prepayment will be allowed unless the amount of Special Taxes that may be levied on Taxable Property, excluding Provisional Undeveloped Property, after such partial prepayment, net of Administrative Expenses, shall be at least 1.15 times the regularly scheduled annual interest and principal payments on all currently outstanding Bonds in each future Fiscal Year and such partial prepayment will not impair the security of all currently outstanding Bonds, as reasonably determined by the Administrator. Such determination shall include identifying all Assessor's Parcels that are expected to be classified as Exempt Property.

Notwithstanding the above, the ability to prepay the Annual Special Tax obligation of an Assessor's Parcel may be suspended, by the Administrator, acting in his or her absolute and sole discretion for and on behalf of the District, without notice to the owners of property within the District for a period of time, not to exceed sixty (60) days, prior to the scheduled issuance of Bonds by the District to assist in the efficient preparation of the required bond market disclosure.

SECTION I ANNUAL SPECIAL TAX REMAINDER

In any Fiscal Year which the Special Taxes collected from Developed Property exceeds the amount needed to make regularly scheduled annual interest and principal payments on outstanding Bonds and pay Administrative Expenses, the School District may use such amount for acquisition, construction or financing of school facilities and certain costs associated with the maintenance and operations of school facilities in accordance with the Act, District proceedings and other applicable laws as determined by the Board.

SECTION J TERMINATION OF SPECIAL TAX

The Special Tax shall be levied for a term of three (3) Fiscal Years after the final maturity of the last series of Bonds, provided that the Special Tax shall not be levied later than Fiscal Year 2058/2059. However, the Special Tax may cease to be levied in an earlier Fiscal Year if the Board has determined (i) that all required interest and principal payments on the Bonds have been paid, (ii) all authorized facilities of the District have been acquired and all reimbursements have been paid, and (iii) all other obligations of the District have been satisfied.

SECTION K EXEMPTIONS

The Administrator shall classify as Exempt Property in the chronological order in which each Assessor Parcel becomes (i) owned by the State of California, federal or other local governments, (ii) used as places of worship and are exempt from *ad valorem* property taxes because they are owned by a religious organization, (iii) owned by a homeowners' association, (iv) burdened with a public or utility easements making impractical their utilization for other than the purposes set forth in the easement, or (v) any other Assessor's Parcels at the reasonable discretion of the Board, provided that no such classification would reduce the Net Taxable Acreage to less than 12.4729 acres of Acreage ("Minimum Taxable Acreage").

Notwithstanding the above, the Administrator or Board shall not classify an Assessor's Parcel as Exempt Property if such classification would reduce the sum of the Acreage of all Taxable Property to less than the Minimum Taxable Acreage. Assessor's Parcels which cannot be classified as Exempt Property because such classification would reduce the Acreage of all Taxable Property to less than the Minimum Taxable Acreage will be classified as Provisional Undeveloped Property, as applicable, and will continue to be subject to Special Taxes accordingly.

SECTION L APPEALS

Any property owner claiming that the amount or application of the Special Tax is not correct may file a written notice of appeal with the Administrator to be received by the Administrator not later than six (6) months after having paid the first installment of the Special Tax that is disputed. The reissuance or cancellation of a building permit is not an eligible reason for appeal. In order to be considered sufficient, any notice of appeal must (i) specifically identify the property by address and Assessor's Parcel Number, (ii) state the amount in dispute and whether it is the whole amount or only a portion of the Special Tax, (iii) state all grounds on which the property owner is disputing the amount or

application of the Special Tax, including a reasonably detailed explanation as to why the amount or application of such Special Tax is incorrect, (iv) include all documentation, if any, in support of the claim, and (v) be verified under penalty of perjury by the person who paid the Special Tax or his or her guardian, executor or administrator. The Administrator shall promptly review the appeal, and if necessary, meet with the property owner, consider written and oral evidence regarding the amount of the Special Tax, and rule on the appeal. If the representative's decision requires that the Special Tax for an Assessor's Parcel be modified or changed in favor of the property owner, a cash refund shall not be made (except for the last year of levy), but an adjustment shall be made to the Special Tax on that Assessor's Parcel in the subsequent Fiscal Year(s) as the representative's decision shall indicate.

SECTION M MANNER OF COLLECTION

The Special Tax shall be collected in the same manner and at the same time as ordinary *ad valorem* property taxes and shall be subject to the same penalties, the same procedure, sale and lien priority in the case of delinquency; provided, however, that the District may directly bill all or a portion of the Special Tax, may collect Special Taxes at a different time or in a different manner if necessary to meet its financial obligations, and if so collected, a delinquent penalty of ten percent (10%) of the Special Tax will attach at 5:00 p.m. on the date the Special Tax becomes delinquent and interest at 1.5% per month of the Special Tax will attach on the July 1 after the delinquency date and the first of each month thereafter until such Special Taxes are paid.

EXHIBIT B
AMENDED RATE AND METHOD OF APPORTIONMENT OF TAX
IMPROVEMENT AREA NO. 2

AMENDED
RATE AND METHOD OF APPORTIONMENT OF SPECIAL TAXES OF
IMPROVEMENT AREA 2 OF COMMUNITY FACILITIES DISTRICT
NO. 2018-1 OF THE WESTSIDE UNION SCHOOL DISTRICT

A Special Tax (as defined herein) shall be levied on and collected from all Assessor's Parcels in Improvement Area ("IA") 2 of Community Facilities District ("CFD") No. 2018-1 of the Westside Union School District ("School District") each Fiscal Year commencing in Fiscal Year 2018/2019, in an amount determined by the Board through the application of the Amended Rate and Method of Apportionment of Special Taxes ("RMA") described below. All the real property within the District, unless exempted by law or by provisions hereof, shall be taxed for the purposes, to the extent and in the manner herein provided.

SECTION A
DEFINITIONS

For purposes of this RMA, the terms hereinafter set forth have the following meanings:

"Acreage" means the number of acres of land area of an Assessor's Parcel as shown on an Assessor's Parcel Map, or if the land area is not shown on an Assessor's Parcel Map, the Administrator may rely on the land area shown on the applicable Final Map.

"Act" means the Mello-Roos Communities Facilities Act of 1982, as amended, being Chapter 2.5, Division 2 of Title 5 of the Government Code of the State of California.

"Administrative Expenses" means any ordinary and necessary expense incurred by the School District on behalf of the District related to the determination of the amount of the levy of Special Taxes, the collection of Special Taxes, including, but not limited to, the reasonable expenses of collecting delinquencies, the administration of Bonds, the proportionate payment of salaries and benefits of any School District employee whose duties are directly related to the administration of the District, and reasonable costs otherwise incurred in order to carry out the authorized purposes of the District including a proportionate amount of School District general administrative overhead related thereto.

"Administrator" means an official of the School District or designee thereof, responsible for determining the levy and collection of the Special Taxes.

"Annual Special Tax" means the Special Tax levied in any Fiscal Year on any Assessor's Parcel.

"Assessor's Parcel" means a parcel of land designated on an Assessor's Parcel Map with an assigned Assessor's Parcel Number within the boundaries of the District.

"Assessor's Parcel Map" means an official map of the Assessor of the County designating parcels by Assessor's Parcel Number.

"Assessor's Parcel Number" means that number assigned to an Assessor's Parcel by the County for purposes of identification.

"Assigned Annual Special Tax" means the Special Tax of that name described in Section D hereof.

"Backup Annual Special Tax" means the Special Tax of that name described in Section E hereof.

"Board" means the Governing Board (Board of Trustees) of the School District, or its designee, acting as the Legislative Body of the District.

"Bond Index" means the national Bond Buyer Revenue Index, commonly referenced as the 25-Bond Revenue Index. In the event the Bond Index ceases to be published, the index used shall be based on a comparable index for revenue bonds maturing in 30 years with an average rating equivalent to Moody's A1 and/or Standard & Poor's A+, as determined by the Board.

"Bond Yield" means the yield of the last series of Bonds issued. For purposes of this calculation the yield of the Bonds shall be the yield calculated at the time such Bonds are issued, pursuant to Section 148 of the Internal Revenue Code of 1986, as amended, for the purpose of the Non-Arbitrage (Tax) Certificate or other similar bond issuance document.

"Bonds" means any obligation to repay a sum of money, including obligations in the form of bonds, notes, certificates of participation, long-term leases, loans from government agencies, or loans from banks, other financial institutions, private businesses, or individuals, or long-term contracts, or any refunding thereof, to which the Special Taxes have been pledged for repayment.

"Building Square Footage" or **"BSF"** means the square footage of assessable internal living space of a Unit, exclusive of any carports, walkways, garages, overhangs, patios, enclosed patios, detached accessory structure, other structures not used as living space, or any other square footage excluded under Government Code Section 65995 as determined by reference to the building permit(s) for such Unit.

"City" means the City of Lancaster, California.

"County" means the County of Los Angeles, California.

"Developed Property" means all Assessor's Parcels of Taxable Property for which building permit(s) were issued on or before May 1 of the prior Fiscal Year, provided that such Assessor's Parcels were created on or before January 1 of the prior Fiscal Year, as reasonably determined by the Administrator.

"District" means IA 2 of Community Facilities District No. 2018-1 of the School District.

"Exempt Property" means all Assessor's Parcels designated as being exempt from Special Taxes pursuant to Section K hereof.

"Final Map" means a final tract map, parcel map, lot line adjustment, or functionally equivalent map or instrument that creates individual Lots, recorded in the Office of the County Recorder.

"Fiscal Year" means the period commencing on July 1 of any year and ending on the following June 30.

"Land Use Class or Classes" means the tax classifications depicted in Table 1 for all Assessor's Parcel of Developed Property based on the Building Square Footage of such Assessor's Parcel.

"Lot" means an individual legal lot created by a Final Map for which a building permit for residential construction has been or could be issued.

"Maximum Special Tax" means for each Assessor's Parcel, the maximum Special Tax, determined in accordance with Section C, which can be levied by the District in a given Fiscal Year on such Assessor's Parcel.

"Mitigation Agreement" means the Amended and Restated School Facilities Mitigation Agreement made and entered into as of April 3, 2018 by and among the School District and STG Montecito West, LLC.

"Net Taxable Acreage" means the total Acreage of Developed Property expected to exist within the District after all Final Maps are recorded.

"Partial Prepayment Amount" means the amount required to prepay a portion of the Special Tax obligation for an Assessor's Parcel as described in Section H hereof.

"Prepayment Administrative Fees" means any fees or expenses of the School District or the District associated with the prepayment of the Special Tax obligation of an Assessor's Parcel. Prepayment Administrative Fees shall include among other things the cost of computing the Prepayment Amount, redeeming Bonds, and recording any notices to evidence the prepayment and redemption of Bonds.

"Prepayment Amount" means the amount required to prepay the Special Tax obligation in full for an Assessor's Parcel as described in Section G hereof.

"Present Value of Taxes" means for any Assessor's Parcel the present value of (i) the unpaid portion, if any, of the Annual Special Tax applicable to such Assessor's Parcel in the current Fiscal Year and (ii) the Special Taxes expected to be levied on such Assessor's Parcel in each remaining Fiscal Year, as determined by the Administrator, until the termination date specified in Section J, but in no event longer than 33 Fiscal Years. The discount rate used for this calculation shall be equal to (a) the Bond Yield after Bond issuance or (b) the most recently published Bond Index prior to Bond issuance.

"Proportionately" means that the ratio of the actual Annual Special Tax levy to the applicable Assigned Annual Special Tax is equal for all applicable Assessor's Parcels. In the case of Developed Property subject to apportionment of the Annual Special Tax under Step Four of Section F, "Proportionately" shall mean that the quotient of (i) the Annual Special Tax less the Assigned Annual Special Tax divided by (ii) the Backup Annual Special Tax less the Assigned Annual Special Tax is equal for all applicable Assessor's Parcels.

"Provisional Undeveloped Property" means all Assessor's Parcels of Taxable Property that would otherwise be classified as Exempt Property pursuant to Section K but cannot be classified as Exempt Property because to do so would reduce the Net Taxable Acreage below the required minimum Acreage set forth in Section K, as applicable.

"Reserve Fund Credit" means an amount equal to the lesser of (i) the reduction in the applicable reserve fund requirement(s) resulting from the redemption of Bonds with the Prepayment Amount or (ii) ten percent (10%) of the amount of Bonds which will be redeemed. If a surety bond or other credit instrument satisfies the reserve requirement or the reserve requirement is underfunded at the time of the prepayment, no Reserve Fund Credit shall be given.

"School District" means the Westside Union School District, a public school district organized and operating pursuant to the Constitution and laws of the State of California.

"Special Tax" means any of the special taxes authorized to be levied by the District pursuant to the Act and this RMA.

"Special Tax Requirement" means the amount required in any Fiscal Year to pay (i) the debt service or the periodic costs on all outstanding Bonds, (ii) Administrative Expenses, (iii) the costs associated with the release of funds from an escrow account or accounts established in association with the Bonds, (iv) any amount required to establish or replenish any reserve funds (or accounts thereof) established in association with the Bonds, and (v) the collection or accumulation of funds for the acquisition or construction of school facilities and certain costs associated with the maintenance and operations of school facilities authorized by the District provided that the inclusion of such amount does not cause an increase in the levy of Special Tax on Approved Property, Undeveloped Property, or Provisional Undeveloped Property as set forth in Steps Two through Four of Section F, less (vi) any amount(s) available to pay debt service or other periodic costs on the Bonds pursuant to any applicable bond indenture, fiscal agent agreement, trust agreement, or equivalent agreement or document. In arriving at the Special Tax Requirement, the Administrator shall take into account the reasonably anticipated delinquent Special Taxes, provided that the amount included cannot cause the Annual Special Tax of an Assessor Parcel of Developed Property to increase by greater than ten percent (10%) of what would have otherwise been levied.

"Taxable Property" means all Assessor's Parcels which are not Exempt Property.

"Undeveloped Property" means all Assessor's Parcels of Taxable Property which are not Developed Property or Approved Property.

"Unit" means each separate residential dwelling unit, including but not limited to, a single family attached or detached unit, condominium, an apartment unit, mobile home, or otherwise, excluding hotel and motels.

SECTION B CLASSIFICATION OF ASSESSOR'S PARCELS

Each Fiscal Year, commencing with Fiscal Year 2018/2019, all Assessor's Parcels within the District shall be classified as either Taxable Property or Exempt. In addition, each Assessor's Parcel of Taxable Property shall be classified as Developed Property, Undeveloped Property or Provisional Undeveloped Property. Developed Property shall be further assigned to a Land Use Class, according to Table 1 below, based on the Building Square Footage of each Unit.

Table 1
Land Use Classification

Land Use Class	Building Square Footage
1	< 2,350 sq. ft.
2	2,350 – 2,600 sq. ft.
3	2,601 – 2,850 sq. ft.
4	2,851 – 3,100 sq. ft.
5	3,101 – 3,350 sq. ft.
6	3,351 – 3,600 sq. ft.
7	> 3,600 sq. ft.

SECTION C MAXIMUM SPECIAL TAX RATE

1. **Developed Property**

The Maximum Special Tax for each Assessor's Parcel classified as Developed Property shall be the greater of the amount derived by the application of the (a) Assigned Annual Special Tax or (b) Backup Annual Special Tax.

2. **Undeveloped Property**

The Maximum Special Tax for each Assessor's Parcel classified as Undeveloped Property or Provisional Undeveloped Property shall be derived by the application of the Assigned Annual Special Tax.

SECTION D ASSIGNED ANNUAL SPECIAL TAXES

1. Developed Property

The Assigned Annual Special Tax for each Assessor's Parcel of Developed Property will be determined in accordance with Table 2 below, subject to increases as described below.

Table 2
Fiscal Year 2018/2019
Assigned Annual Special Taxes
for Developed Property

Land Use Class	Building Square Footage	Assigned Annual Special Tax Rate
1	< 2,350 sq. ft.	\$1,958.00 per Unit
2	2,350 – 2,600 sq. ft.	\$2,029.00 per Unit
3	2,601 – 2,850 sq. ft.	\$2,167.00 per Unit
4	2,851 – 3,100 sq. ft.	\$2,230.00 per Unit
5	3,101 – 3,350 sq. ft.	\$2,257.00 per Unit
6	3,351 – 3,600 sq. ft.	\$2,283.00 per Unit
7	> 3,600 sq. ft.	\$2,561.46 per Unit

2. Undeveloped Property and Provisional Undeveloped Property

The Assigned Annual Special Tax for each Assessor's Parcel of Undeveloped Property or Provisional Undeveloped Property shall be \$13,613.35 per acre of Acreage, subject to increases as described below.

3. Increases in the Assigned Annual Special Tax

a. Developed Property

On each July 1, commencing July 1, 2019, the Assigned Annual Special Tax rate applicable to Developed Property shall be increased by two percent (2.00%).

b. Undeveloped Property and Provisional Undeveloped Property

On each July 1, commencing July 1, 2019, the Assigned Annual Special Tax rate per acre of Acreage for Undeveloped Property and Provisional Undeveloped Property shall be increased by two percent (2.00%).

SECTION E

BACKUP ANNUAL SPECIAL TAX

Each Fiscal Year, each Assessor's Parcel of Developed Property shall be subject to a Backup Annual Special Tax.

1. Calculation of the Backup Annual Special Tax Rate

The Backup Annual Special Tax rate for an Assessor's Parcel of Developed Property within a Final Map shall be the rate per Lot calculated in accordance with the following formula in Fiscal Year 2018/2019 or such later Fiscal Year in which such Final Map is created, subject to increases as described below:

$$B = (U \times A) / L$$

The terms above have the following meanings:

B	=	Backup Annual Special Tax per Lot for the applicable Fiscal Year
U	=	Assigned Annual Special Tax per Acre of Undeveloped Property in the Fiscal Year the calculation is performed
A	=	Acreage of Taxable Property expected to exist within such Final Map at the time of calculation, as determined by the Administrator
L	=	Number of Lots within the applicable Final Map at the time of calculation

2. Changes to a Final Map

If the Final Map(s) described in the preceding paragraph are subsequently changed or modified, then the Backup Annual Special Tax for each Assessor's Parcel of Developed Property changed or modified in each such Final Map shall be a rate per square foot of Acreage calculated as follows:

- a. Determine the total Backup Annual Special Tax revenue anticipated to apply to the changed or modified Assessor's Parcels prior to the change or modification.
- b. The result of paragraph a above shall be divided by the Acreage of Taxable Property of the modified Assessor's Parcels, as reasonably determined by the Administrator.
- c. The result of paragraph b above shall be divided by 43,560. The result is the Backup Annual Special Tax per square foot of Acreage that shall be applicable to the modified Assessor's Parcels, subject to increases as described below.

3. Increase in the Backup Annual Special Tax

Each July 1, commencing the July 1 following the initial calculation of the Backup Annual Special Tax rate for Developed Property within a Final Map, the Backup Annual Special Tax for each Lot within such Final Map shall be increased by two percent (2.00%) of the amount in effect the prior Fiscal Year.

SECTION F METHOD OF APPORTIONMENT OF THE ANNUAL SPECIAL TAX

Commencing Fiscal Year 2018/2019 and for each subsequent Fiscal Year, the Board shall levy Annual Special Taxes on all Taxable Property in accordance with the following steps:

- Step One:** The Special Tax shall be levied on each Assessor's Parcel of Developed Property at the Assigned Annual Special Tax applicable to each such Assessor's Parcel.
- Step Two:** If additional moneys are needed to satisfy the Special Tax Requirement after the first step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Undeveloped Property up to 100% of the Assigned Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.
- Step Three:** If additional moneys are needed to satisfy the Special Tax Requirement after the second step has been completed, the Special Tax on each Assessor's Parcel of Developed Property, for which the Maximum Special Tax is the Backup Annual Special Tax, shall be increased Proportionately from the Assigned Annual Special Tax up to 100% of the Backup Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.
- Step Four:** If additional moneys are needed to satisfy the Special Tax Requirement after the third step has been completed, the Special Tax shall be levied Proportionately on each Assessor's Parcel of Provisional Undeveloped Property up to 100% of the Assigned Annual Special Tax applicable to each such Assessor's Parcel as needed to satisfy the Special Tax Requirement.

SECTION G PREPAYMENT OF SPECIAL TAXES

1. Special Tax Prepayment Times and Conditions

The Special Tax obligation of an Assessor's Parcel of Taxable Property may be prepaid, if there are no delinquent Special Taxes, penalties, or interest charges outstanding with respect to such Assessor's Parcel. An owner of an Assessor's Parcel intending to prepay the Special Tax shall provide the School District with written notice of intent to prepay. Within thirty (30) days of receipt of such written notice, the Administrator shall determine the Prepayment Amount for such Assessor's Parcel and shall notify such owner of such Prepayment Amount.

2. Special Tax Prepayment Calculation

The Prepayment Amount shall be calculated according to the following formula:

$$P = PVT - RFC + PAF$$

The terms above have the following meanings:

P	=	Prepayment Amount
PVT	=	Present Value of Taxes
RFC	=	Reserve Fund Credit
PAF	=	Prepayment Administrative Fees

3. Special Tax Prepayment Procedures and Limitations

The amount representing the Present Value of Taxes attributable to the prepayment less the Reserve Fund Credit attributable to the prepayment shall, prior to the issuance of Bonds, be deposited into a separate account held with the School District and disbursed in accordance with the Mitigation Agreement and after the issuance of Bonds be deposited into the applicable account or fund established under the trust agreement, indenture agreement or fiscal agent agreement and used to pay debt service or redeem Bonds. The amount representing the Prepayment Administrative Fees attributable to the prepayment shall be retained and deposited into the applicable account by the District.

With respect to any Assessor's Parcel for which the Special Tax is prepaid, the Board shall indicate in the records of the District that there has been a prepayment of the Special Tax obligation and shall cause a suitable notice to be recorded in compliance with the Act to indicate the prepayment of the Special Tax obligation and the release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay such Special Tax shall cease.

Notwithstanding the foregoing, no prepayment will be allowed unless the amount of Assigned Annual Special Taxes that may be levied on Taxable Property and net of Administrative

Expenses excluding Provisional Undeveloped Property, after such prepayment shall be at least 1.15 times the regularly scheduled annual interest and principal payments on all currently outstanding Bonds in each future Fiscal Year and such prepayment will not impair the security of all currently outstanding Bonds, as reasonably determined by the Administrator. Such determination shall include identifying all Assessor's Parcels that are expected to be classified as Exempt Property.

Notwithstanding the above, the ability to prepay the Special Tax obligation of an Assessor's Parcel may be suspended, by the Administrator, acting in his or her absolute and sole discretion for and on behalf of the District, without notice to the owners of property within the District for a period of time, not to exceed sixty (60) days, prior to the scheduled issuance of Bonds by the District to assist in the efficient preparation of the required bond market disclosure.

SECTION H

PARTIAL PREPAYMENT OF SPECIAL TAXES

1. Partial Prepayment Times and Conditions

The Special Tax obligation for Assessor's Parcels of Taxable Property may be partially prepaid in increments of ten (10) Units, provided that there are no delinquent Special Taxes, penalties, or interest charges outstanding with respect to such Assessor's Parcels at the time the Special Tax obligation would be partially prepaid. An owner of an Assessor's Parcel(s) intending to partially prepay the Special Tax shall provide the District with written notice of their intent to partially prepay. Within thirty (30) days of receipt of such written notice, the Administrator shall determine the Partial Prepayment Amount of such Assessor's Parcel and shall notify such owner of such Partial Prepayment Amount.

2. Partial Prepayment Calculation

The Partial Prepayment Amount shall be calculated according to the following formula:

$$PP = PVT \times F - RFC + PAF$$

The terms above have the following meanings:

PP	=	the Partial Prepayment Amount
PVT	=	Present Value of Taxes
F	=	the percent by which the owner of the Assessor's Parcel is partially prepaying the Special Tax obligation
RFC	=	Reserve Fund Credit
PAF	=	Prepayment Administrative Fees

3. Partial Prepayment Procedures and Limitations

The amount representing the Present Value of Taxes attributable to the prepayment less the Reserve Fund Credit attributable to the prepayment shall, prior to the issuance of Bonds, be deposited into a separate account held with the School District and disbursed in accordance with the Mitigation Agreement and after the issuance of Bonds be deposited into the applicable account or fund established under the trust agreement or indenture agreement or fiscal agent agreement and used to pay debt service or redeem Bonds. The amount representing the Prepayment Administrative Fees attributable to the prepayment shall be retained and deposited into the applicable account by the District.

With respect to any Assessor's Parcel for which the Special Tax obligation is partially prepaid, the Board shall indicate in the records of the District that there has been a partial prepayment of the Special Tax obligation and shall cause a suitable notice to be recorded in compliance with the Act to indicate the partial prepayment of the Special Tax obligation and the partial release of the Special Tax lien on such Assessor's Parcel, and the obligation of such Assessor's Parcel to pay such prepaid portion of the Special Tax shall cease. Additionally, the notice shall indicate that the Assigned Annual Special Tax and the Backup Annual Special Tax if applicable for the Assessor's Parcel has been reduced by an amount equal to the percentage which was partially prepaid.

Notwithstanding the foregoing, no partial prepayment will be allowed unless the amount of Special Taxes that may be levied on Taxable Property, excluding Provisional Undeveloped Property, after such partial prepayment, net of Administrative Expenses, shall be at least 1.15 times the regularly scheduled annual interest and principal payments on all currently outstanding Bonds in each future Fiscal Year and such partial prepayment will not impair the security of all currently outstanding Bonds, as reasonably determined by the Administrator. Such determination shall include identifying all Assessor's Parcels that are expected to be classified as Exempt Property.

Notwithstanding the above, the ability to prepay the Annual Special Tax obligation of an Assessor's Parcel may be suspended, by the Administrator, acting in his or her absolute and sole discretion for and on behalf of the District, without notice to the owners of property within the District for a period of time, not to exceed sixty (60) days, prior to the scheduled issuance of Bonds by the District to assist in the efficient preparation of the required bond market disclosure.

SECTION I ANNUAL SPECIAL TAX REMAINDER

In any Fiscal Year which the Special Taxes collected from Developed Property exceeds the amount needed to make regularly scheduled annual interest and principal payments on outstanding Bonds and pay Administrative Expenses, the School District may use such amount for acquisition, construction or financing of school facilities and certain costs associated with the maintenance and operations of school facilities in accordance with the Act, District proceedings and other applicable laws as determined by the Board.

SECTION J TERMINATION OF SPECIAL TAX

The Special Tax shall be levied for a term of three (3) Fiscal Years after the final maturity of the last series of Bonds, provided that the Special Tax shall not be levied later than Fiscal Year 2058/2059. However, the Special Tax may cease to be levied in an earlier Fiscal Year if the Board has determined (i) that all required interest and principal payments on the Bonds have been paid, (ii) all authorized facilities of the District have been acquired and all reimbursements have been paid, and (iii) all other obligations of the District have been satisfied.

SECTION K EXEMPTIONS

The Administrator shall classify as Exempt Property in the chronological order in which each Assessor Parcel becomes (i) owned by the State of California, federal or other local governments, (ii) used as places of worship and are exempt from *ad valorem* property taxes because they are owned by a religious organization, (iii) owned by a homeowners' association, (iv) burdened with a public or utility easements making impractical their utilization for other than the purposes set forth in the easement, or (v) any other Assessor's Parcels at the reasonable discretion of the Board, provided that no such classification would reduce the Net Taxable Acreage to less than 10.852 acres of Acreage ("Minimum Taxable Acreage").

Notwithstanding the above, the Administrator or Board shall not classify an Assessor's Parcel as Exempt Property if such classification would reduce the sum of the Acreage of all Taxable Property to less than the Minimum Taxable Acreage. Assessor's Parcels which cannot be classified as Exempt Property because such classification would reduce the Acreage of all Taxable Property to less than the Minimum Taxable Acreage will be classified as Provisional Undeveloped Property, as applicable, and will continue to be subject to Special Taxes accordingly.

SECTION L APPEALS

Any property owner claiming that the amount or application of the Special Tax is not correct may file a written notice of appeal with the Administrator to be received by the Administrator not later than six (6) months after having paid the first installment of the Special Tax that is disputed. The reissuance or cancellation of a building permit is not an eligible reason for appeal. In order to be considered sufficient, any notice of appeal must (i) specifically identify the property by address and Assessor's Parcel Number, (ii) state the amount in dispute and whether it is the whole amount or only a portion of the Special Tax, (iii) state all grounds on which the property owner is disputing the amount or

application of the Special Tax, including a reasonably detailed explanation as to why the amount or application of such Special Tax is incorrect, (iv) include all documentation, if any, in support of the claim, and (v) be verified under penalty of perjury by the person who paid the Special Tax or his or her guardian, executor or administrator. The Administrator shall promptly review the appeal, and if necessary, meet with the property owner, consider written and oral evidence regarding the amount of the Special Tax, and rule on the appeal. If the representative's decision requires that the Special Tax for an Assessor's Parcel be modified or changed in favor of the property owner, a cash refund shall not be made (except for the last year of levy), but an adjustment shall be made to the Special Tax on that Assessor's Parcel in the subsequent Fiscal Year(s) as the representative's decision shall indicate.

SECTION M MANNER OF COLLECTION

The Special Tax shall be collected in the same manner and at the same time as ordinary *ad valorem* property taxes and shall be subject to the same penalties, the same procedure, sale and lien priority in the case of delinquency; provided, however, that the District may directly bill all or a portion of the Special Tax, may collect Special Taxes at a different time or in a different manner if necessary to meet its financial obligations, and if so collected, a delinquent penalty of ten percent (10%) of the Special Tax will attach at 5:00 p.m. on the date the Special Tax becomes delinquent and interest at 1.5% per month of the Special Tax will attach on the July 1 after the delinquency date and the first of each month thereafter until such Special Taxes are paid.

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Shawn Cabey, Assistant Superintendent Administrative Services

SUBJECT: Resolution 18-78, Temporary Extraordinary Approval Authorization

BACKGROUND:

There being no scheduled Board meetings for approximately 4 weeks during the summer of 2018, Westside Union School District Administrative staff is requesting that the Board grant temporary signing authority pursuant to restrictions outlined in Education Code Sections 17604 and 35161 in order to facilitate, if necessary, work required for the completion of the Cottonwood School Modernization. It is understood that any exercise of this authority will be as limited as possible, and that the Board will be advised of any and all such approvals at the first available meeting in August.

PROGRAM/EDUCATIONAL IMPLICATION

None

COST ANALYSIS/FUNDING SOURCE

None

ASSISTANT SUPERINTENDENT ADMINISTRATIVE SERVICES RECOMMENDATION

Approval

**BOARD OF TRUSTEES
WESTSIDE UNION SCHOOL DISTRICT
LOS ANGELES CALIFORNIA**

In the Matter of Delegation of Power to
Contract to the Superintendent or
Designee

RESOLUTION 18-78

WHEREAS, Education Code section 35161 provides that the Board may execute any powers delegated by law to it or to the District, and may delegate to an officer or employee of the District any of those powers or duties; and

WHEREAS, Education Code Section 17604 provides that wherever the power to contract is invested in the Board, such power may, by a majority vote of the Board, be delegated to the District's Superintendent, or to such persons as the Superintendent may designate; and

WHEREAS, Education Code Section 17604 further provides that no contract made pursuant to such delegation and authorization shall be valid or constitute an enforceable obligation against the District unless and until the same shall have been approved or ratified by the Board, said approval or ratification to be evidenced by a motion of said board duly passed and adopted; and

WHEREAS, Pursuant to this statutory authority, Board Policy 3312 provides that the Superintendent or designee may enter into contracts on behalf of the district. All contracts must be approved or ratified by the Board. Further, the policy states that once approved or ratified by the Board, change orders do not require additional Board action if the dollar value of the change order would result in a change to the overall value of 10 percent or less of the original contract; and

WHEREAS, Board Regulation 3312 provides that the Board may, by a majority vote, delegate the power to enter into contracts on behalf of the district to the Superintendent or designee. However, to be valid or to constitute an enforceable obligation against the District, all contracts must be approved and/or ratified by the Board; and

WHEREAS, the District is presently continuing with construction of the Cottonwood Modernization project; and

WHEREAS, the Board desires to delegate authority to the Superintendent or her designee to contract and expend funds as necessary and appropriate to promote the timely completion of these projects.

NOW, THEREFORE, BE IT RESOLVED AND DETERMINED:

1. Pursuant to Education Code Sections 17604 and 35161, the power to contract, including approval of change orders and other project expenditures, on behalf of the Board, as necessary for the constructing of the Cottonwood Modernization project is hereby delegated to the Superintendent and the Assistant Superintendent for Administrative Services.
2. No contract made pursuant to such delegation and authorization shall be valid or constitute an enforceable obligation against the District unless and until the contract shall have been approved or ratified by the Board.
3. This delegation of authority shall expire on August 1, 2018.

PASSED AND ADOPTED by the Board of Trustees of the WESTSIDE UNION SCHOOL DISTRICT, Los Angeles, California, at a public meeting thereof duly called and held this 5th day of June 2018, by the following vote:

AYES:

NAYS:

ABSENT:

ABSTAIN:

Linda Jones, Clerk
Board of Trustees
Westside Union School District

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Shawn Cabey, Assistant Superintendent Administrative Services

SUBJECT: Hillview Solar Upgrades/PacificWest Agreement

BACKGROUND:

Approximately 6 years ago, pole-mounted concentrated solar photovoltaic power (CPV) systems were installed at Hillview Middle School along the southern and western hillsides that border the play fields. The CPV system has provided renewable sourced power as well as savings through net metering tariffs from Southern California Edison (SCE). In the intervening years since the installation, SCE is making significant changes to their Time-Of-Use (TOU) policies, most significantly the shifting of the high-value generation hours from the workday to the evening. The challenge for independent solar operators like WUSD is that solar systems produce only during daylight hours, and as a result the value of the energy being generated will be significantly diminished. Concurrently and independently of these SCE policy changes, solar generation technology has also evolved over the past several years, to the point where it is now possible to generate increased kilowatts (kW) from flat-panel solar arrays for use by the school during peak use hours and store the excess energy for release to the grid during peak kW-value hours. These two developments taken together, the change in TOU and the advances in solar tech, provide an opportunity to not only continue to produce clean energy while maximizing cost savings/revenue earning potential, but also address both the long-standing concerns within the neighboring community and the persistent vandalism.

COST ANALYSIS/FUNDING:

\$1.9 million, which includes a \$400k LED lighting retrofit project funded with the Prop. 39 Clean Energy Jobs Act entitlement. A partial offset to the listed cost is the value of spare parts, including the solar-generating CPV panels that will be harvested for replacement use at the remaining locations throughout the District. Also, the Non-Prop. 39 portion of this project (~\$1.5 million) will be funded from the portion of the Anaverde Hills state reimbursement (\$9.2 million) remaining in the County School Facilities Fund 35 after the Cottonwood Modernization costs (~\$7.1 million) are accounted for.

ASSISTANT SUPERINTENDENT ADMINISTRATIVE SERVICES RECOMMENDATION:

In 2014 the District conducted an RFP process and held a series of interviews with prospective energy partners and as a result of this process on September 16, 2014 the Board selected PacificWest Energy Solutions as the District's Prop. 39 energy consultant. Based on PacWest's excellent performance to-date, as well as the thorough analysis and cost benefits outlined in their proposal, Administrative Services recommends that if the Board elects to upgrade the Hillview solar installation that Pacific West be selected to perform the required upgrades.

PACIFICWEST

ENERGY SOLUTIONS

ENERGY SERVICES AGREEMENT

This Energy Services Agreement (this "Agreement") is made effective as of June 5, 2018 ("Effective Agreement Date"), by and between PacificWest Energy Solutions, Inc. ("PACIFICWEST") and the party identified below as "CLIENT".

CLIENT	PACIFICWEST
Westside Union School District 41914 North 50 th Street West Quartz Hill, CA 93536	PacificWest Energy Solutions, Inc. 18543 Devonshire Street #128 Northridge, CA 91324

In this Agreement, the party who is contracting to receive services will be referred to as "CLIENT," and the party who will be providing the services will be referred to as "PACIFICWEST."

This Agreement shall consist of the following documents ("Agreement Documents") which are acknowledged by CLIENT and PACIFICWEST and incorporated herein by this reference:

ARTICLES

1. Description of Services
2. Payment for Services
3. Confidentiality
4. Remedies
5. Term & Acceptance
6. Work Product Ownership
7. Warranty
8. Hazardous Materials
9. Changes and Delays
10. Insurance & Allocation of Risk
11. Indemnification
12. Entire Agreement
13. Severability
14. Amendment
15. Governing Law
16. Notice
17. Assignment
18. Miscellaneous Provisions

ATTACHMENTS

- | | |
|-----------|--|
| Exhibit A | Scope of Services |
| Exhibit B | Payment Schedule |
| Exhibit C | Savings Analysis |
| Exhibit D | Project Delivery Schedule |
| Exhibit E | Sample Certificate of Substantial Completion & Final Certificate of Completion |
| Exhibit F | Performance Guarantee |

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ENERGY SOLUTIONS

1. DESCRIPTION OF SERVICES

Beginning on the Effective Agreement Date, CLIENT hereby engages PACIFICWEST, and PACIFICWEST hereby accepts such engagement, to perform and provide to CLIENT the following services (collectively, the "Services"):

(a) PACIFICWEST will perform and provide CLIENT with the Services identified in Exhibit A Scope of Services within this Agreement except as indicated in the Scope of Services Exclusions.

(b) PACIFICWEST shall perform the Services as an independent contractor with exclusive control of the manner and means of performing the Services in accordance with the requirements of this Agreement. Except as otherwise agreed by CLIENT, PACIFICWEST has no authority to act or make any agreements or representations on behalf of CLIENT. This Agreement is not intended, and shall not be construed to create, between CLIENT and PACIFICWEST, the relationship of principal and agent, joint ventures, co-partners, or any other such relationship, the existence of which is hereby expressly denied. No employee or agent of PACIFICWEST shall be, or shall be deemed to be, an employee or agent of CLIENT.

(c) PACIFICWEST shall be responsible for any portion of the Services performed by any subcontractor of PACIFICWEST. PACIFICWEST shall not have any responsibility, duty or authority to direct, supervise or oversee any contractor of CLIENT or their services or to provide the means, methods or sequence of their services or to stop their services. PACIFICWEST's Services and/or presence at CLIENT's site shall not relieve others of their responsibility to CLIENT or to others.

2. PAYMENT FOR SERVICES

In exchange for the Services, CLIENT shall pay PACIFICWEST the Agreement Sum as set forth in Exhibit B of this Agreement.

(a) Unless otherwise agreed in writing, PACIFICWEST shall be compensated for any extra work requested by CLIENT at its then-prevailing rates and shall be reimbursed for costs and expenses (plus reasonable profit and overhead) incurred in its performance of the Services. The Agreement Sum provides for, and is in consideration of, only the Services specifically included under the Scope of Services. All other work, including but not limited to the following, shall be separately billed or surcharged on a time and materials basis:

- (i) Emergency Services performed at CLIENT's request, if inspection does not reveal any deficiency covered by the Scope of Services
- (ii) Services performed at CLIENT's request at times other than during PACIFICWEST's normal working hours; and
- (iii) Work performed on equipment or facilities not covered by the Scope of Services.

(b) Unless otherwise agreed in writing, PACIFICWEST may invoice CLIENT on a monthly or other progress-billing basis. Invoices are due and payable upon receipt by CLIENT. If CLIENT disagrees with any portion of an invoice, it shall notify PACIFICWEST in writing of the amount in dispute and the reason for its disagreement within 15 days of receipt of the invoice, and shall pay the portion not in dispute. Except for the foregoing, CLIENT shall make all payments without setoff or counterclaim.

(c) PACIFICWEST may suspend or terminate the Services at any time if payment is not received

PACIFICWEST

ENERGY SOLUTIONS

when due and shall be entitled to compensation for the Services previously performed and for costs incurred in connection with the suspension or termination.

(d) On amounts not paid within 30 days of invoice date, CLIENT shall pay interest from invoice date until payment is received at the lesser of 1.5% per month or the maximum rate allowed by law. If CLIENT does not pay a portion of an invoice because of an invoice disagreement as contemplated by Section 2(b) above, and it is subsequently determined or agreed that any portion of the amount withheld was improper, then interest shall also apply with respect to such portion as provided in the preceding sentence. CLIENT shall reimburse PACIFICWEST for PACIFICWEST's costs and expenses (including attorneys' and witnesses' fees) incurred for collection under this Agreement.

(e) Except to the extent expressly agreed in writing, PACIFICWEST's fees do not include any taxes, excises, fees, duties or other government charges related to the Services, and CLIENT shall pay such amounts or reimburse PACIFICWEST for any amounts it pays. If CLIENT claims that Services is subject to a tax exemption or direct payment permit, it shall provide PACIFICWEST with a valid exemption certificate or permit and indemnify, defend and hold PACIFICWEST harmless from any taxes, costs, and penalties arising out of the use or acceptance of same.

3. CONFIDENTIALITY

PACIFICWEST shall, and shall use reasonable efforts to cause its employees, agents, or representatives to, not at any time or in any manner, either directly or indirectly, use for the personal benefit of PACIFICWEST, or divulge, disclose, or communicate in any manner, any information that is proprietary to CLIENT. PACIFICWEST shall, and shall use reasonable efforts to cause its employees, agents, and representatives to, protect such information and treat it as strictly confidential. This provision will continue to be effective for a period of two years after the termination of this Agreement. PACIFICWEST agrees not to disclose such confidential and proprietary information to any person (other than to its employees, agents and representatives on a "need to know" basis) without CLIENT's express written consent.

Likewise, CLIENT shall, and shall use reasonable efforts to cause its employees, agents, or representatives to, not use or disclose any confidential and proprietary information of PACIFICWEST without PACIFICWEST's prior written consent. CLIENT agrees the technical and pricing information contained in this Agreement is confidential and proprietary to PACIFICWEST as well as, without limitation, any (a) trade secret, know-how, idea, invention, process, technique, algorithm, program (whether in source code or object code form), hardware, device, design, schematic, drawing, formula, data, plan, strategy, client and customer lists or forecasts of PACIFICWEST and (b) technical, engineering, manufacturing, product, marketing, servicing, financial, personnel and other such information or materials of PACIFICWEST.

Upon termination of this Agreement, each party will, at the other party's sole election, return to such other party or destroy, all confidential or proprietary information of the other party and all records, notes, documentation and other items that were used, created, or controlled by such during the term of this Agreement.

4. REMEDIES

In addition to any and all other rights a party may have available according to law, if a party defaults by failing to substantially perform any provision, term or condition of this Agreement

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ENERGY SOLUTIONS

(including without limitation the failure to make a monetary payment when due), the other party may terminate the Agreement by providing written notice to the defaulting party. This notice shall describe in reasonable detail the nature of the default. The party receiving such notice shall have 10 business days from the effective date of such notice to cure the default(s). Unless waived by a party providing notice, the failure to cure the default(s) within such time period shall result in the automatic termination of this Agreement.

5. TERM & ACCEPTANCE

This Agreement shall terminate automatically upon completion by PACIFICWEST of the Services required by this Agreement and the signing of the Final Certificate of Completion by the CLIENT.

"Substantial Completion" or Substantially Complete" means the first to occur of the following:

- (a) the Services, or any identifiable portion thereof, is sufficiently complete, in accordance with the provisions of this Agreement relating to the Scope of Services, that CLIENT will be able to realize from such Services substantially all of the practical benefits intended to be gained there from, or otherwise to employ the Services for their intended purposes; or
- (b) temporary, qualified or final certificates of occupancy, if required, have been issued with respect to such portions of the Services by the appropriate public authority.

When PACIFICWEST believes that all, or an independent, definable phase or portion, of the Services is Substantially Complete, PACIFICWEST will submit a Certificate of Substantial Completion or Final Certificate of Completion to CLIENT. If the described portion of the Services as performed is Substantially Complete as defined above, CLIENT will accept that portion of the Services by signing the Certificate of Substantial Completion and returning it to PACIFICWEST. If the Services are not Substantially Complete, then CLIENT shall notify PACIFICWEST within five (5) business days of any discrepancies. PACIFICWEST shall correct the Services to conform to the Scope of Services set forth herein and resubmit the Certificate of Substantial Completion to the CLIENT if PACIFICWEST agrees with the notice of discrepancies. If PACIFICWEST disagrees with the notice, PACIFICWEST shall notify CLIENT of its disagreement and such disagreement shall be resolved under the terms of this Agreement. If CLIENT does not deliver written notice to PACIFICWEST within five (5) business days of receiving the Certificate of Substantial Completion or Final Certificate of Completion, CLIENT will be deemed to have agreed to, signed and returned the Certificate of Substantial Completion or Final Certificate of Completion. Any disputes concerning the Completion or Substantial Completion of the Services will be resolved by submitting the issue to a third party professional engineering firm acceptable to both PACIFICWEST and CLIENT. The determination of this firm with respect to Completion or Substantial Completion will be final and binding upon the parties hereto. PACIFICWEST and CLIENT shall share equally the costs or fees for such firm in connection with such dispute resolution process.

6. WORK PRODUCT OWNERSHIP

The finished Energy & Facilities Services Project (collectively the "Work Product") ownership will be transferred from PACIFICWEST to the CLIENT once the Final Certificate of Completion has been signed and the Agreement Sum has been paid in full. Upon request, PACIFICWEST will execute all documents necessary to confirm the ownership of the CLIENT to the Work Product.

7. WARRANTY

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ENERGY SOLUTIONS

PACIFICWEST warrants that, unless otherwise agreed, all materials and equipment furnished will be of good quality and new and that the Services will be free from defects. PACIFICWEST warrants that the Services shall be free from defects in material and workmanship arising from normal usage for a period of (1) One Year from each system's Certificate of Substantial Completion date and/or the Final Certificate of Completion date, whichever is earlier. For the Solar Photovoltaic System, PACIFICWEST shall provide an extended warranty on all major components for a period of (20) Twenty Years from the Certificate of Substantial Completion date and/or the Final Certificate of Completion date, whichever is earlier. Upon written notice from CLIENT, PACIFICWEST shall, at its option, repair or replace the defective Services. These warranties do not extend to any Services that have been installed/repaired by others, abused, altered, misused, or that has not been properly and reasonably maintained. These warranties are in lieu of all other warranties, express or implied, including but not limited to those of merchantability and fitness for a specific purpose. Any and all manufacturers' extended product warranties will be passed along to CLIENT and will be detailed in the Operation and Maintenance Manuals.

8. HAZARDOUS MATERIALS

Unless specifically noted in writing, the Services provided by PACIFICWEST expressly exclude any Services of any nature associated or connected with the identification, abatement, use, transportation, cleanup, control, storage, removal, containment, clearance testing or disposal of hazardous materials or substances, including but not limited to asbestos, pollutants, hazardous wastes, hazardous materials, or PCBs, in or on the CLIENT site. CLIENT shall promptly notify PACIFICWEST in writing of all known or suspected Hazardous Materials at CLIENT site, of any contamination of CLIENT site by Oil or Hazardous Material, and of any other conditions requiring special care or which may reasonably be expected to affect the Services. CLIENT shall provide PACIFICWEST with any available documents describing the quantity, nature, location, and extent of such materials, contamination, or conditions.

For separate consideration of \$10 and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, CLIENT shall indemnify, defend and hold PACIFICWEST harmless from and against any damages, losses, costs, liabilities or expenses (including attorneys' fees) arising out of any Oil or Hazardous Materials or from CLIENT's breach of, or failure to perform its obligations under Section 8.

9. CHANGES AND DELAYS

As the Services are performed, conditions may change or circumstances outside PACIFICWEST reasonable control (including changes of law) may develop which would require PACIFICWEST to expend additional costs, effort or time to complete the Services, in which case PACIFICWEST will notify CLIENT and an equitable adjustment will be made to PACIFICWEST compensation and the time for performance. In the event, conditions or circumstances require the Services to be suspended or terminated,

PACIFICWEST shall be compensated for Services previously performed and for costs incurred in connection with the suspension or termination.

(a) Either party may request additions, deletions, modifications or changes to the Services. Any such requests shall only become effective upon execution of a written agreement by authorized representatives of both parties.

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(b) PACIFICWEST may, upon approval by the CLIENT, substitute alternative parts, goods or equipment in the performance of the Services, provided that any such substitution shall be of an equal or better quality.

(c) PACIFICWEST shall not be responsible for loss, delay, injury, damage or failure of performance that may be caused by circumstances beyond its control, including but not restricted to acts or omissions by CLIENT or its employees, agents or contractors, Acts of God, war, civil commotion, acts or omissions of government authorities, fire, theft, corrosion, flood, water damage, lightning, freeze-ups, strikes, lockouts, differences with workmen, riots, explosions, quarantine restrictions, delays in transportation, and shortage of vehicles, fuel, labor or materials. In the event of such delay or failure, the time for performance shall be extended by a period equal to the time lost plus a reasonable recovery period and the compensation shall be equitably adjusted to compensate for additional costs PACIFICWEST incurs due to such delay. If any such delay exceeds sixty (60) days, PACIFICWEST may terminate this Agreement upon three (3) days notice to CLIENT and CLIENT shall promptly pay PACIFICWEST for the allocable portion of the Services completed and for any costs and expenses of termination and for any loss or damage incurred with respect to materials, equipment, tools and machinery, including reasonable overhead and profit.

10. INSURANCE & ALLOCATION OF RISK

(a) PACIFICWEST shall maintain insurance with reputable carriers while performing the Services.

Such insurance shall be written with minimum limits and coverage as follows:

- ◆ Workers' Compensation as may be required by all state and federal workers' compensation acts, the Outer Continental Shelf Act, and such other acts as may be applicable to PACIFICWEST's Services performed hereunder.
- ◆ Employers' Liability with amounts required by law or \$1,000,000 whichever is greater.
- ◆ Commercial General Liability covering liabilities for death and personal injury and liabilities for loss of or damage to property with combined single limit of \$2,000,000 Dollars per occurrence/ aggregate limit of \$5,000,000 Dollars.
- ◆ Automobile Liability with a minimum \$2,000,000 Dollars coverage for both bodily injury and property damage covering PACIFICWEST owned, non-owned, and hired automobiles and trucks.
- ◆ Professional Liability Insurance with limits of liability not less than \$2,000,000 Dollars.

(b) CLIENT will maintain, at its own expense, property insurance written on a builder's risk "all-risk" or equivalent policy form in the amount of the initial Contract Sum, plus the value of subsequent modifications and cost of materials supplied or installed by others, on a replacement cost basis without optional deductibles. Such property insurance shall be maintained, unless otherwise provided in the Contract Documents or otherwise agreed in writing by PACIFICWEST, until final payment has been made to PACIFICWEST or no person or entity other than CLIENT has an insurable interest in the property, whichever is later. The policy form shall include without limitation, insurance against the perils of fire (with extended coverage) and physical loss or

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damage including, without duplication of coverage, theft, vandalism, malicious mischief, collapse, earthquake, flood, windstorm, falsework, testing and start-up, rebuilding and debris removal including demolition occasioned by enforcement of any applicable legal requirements, and shall cover reasonable compensation for PACIFICWEST' services and expenses required as result of such insured loss. If the insurance requires deductibles or retentions, the CLIENT shall pay costs not covered because of such deductibles or retentions. This insurance shall cover portions of the Services off the Site, and also portions of the Services in transit. Partial occupancy or use shall not commence unless the insurance company providing this insurance has consented to such partial occupancy or use by endorsement for otherwise. The CLIENT shall purchase and maintain boiler and machinery insurance which shall specifically cover such insured objects during installation and until Acceptance by the CLIENT.

The insurances required by this section shall include the interests of the CLIENT, PACIFICWEST, subcontractor and sub-subcontractor in the Services. PACIFICWEST shall be included as an additional insured on each such insurance coverage. The CLIENT and PACIFICWEST waive all rights against each other and any of their subcontractors, sub-subcontractors, agents and employees for damages caused by fire or other causes of loss to the extent covered by the insurance required by this section and for any other property insurance applicable to the Services, except such rights as they have to proceeds of such insurance held by the CLIENT as fiduciary. A waiver of subrogation shall be effective as to a person or entity even though that person or entity would otherwise have duty of indemnification, contractual or otherwise, did not pay the insurance premium directly or indirectly, and whether or not the person or entity had an insurable interest in the property damaged. Insurance certificates shall be furnished upon request.

(c) Risk of loss of materials and Equipment furnished by PACIFICWEST shall pass to CLIENT upon their delivery to the Site, and CLIENT shall be responsible for protecting and insuring them against theft and damage. However, until PACIFICWEST is paid in full, PACIFICWEST shall retain title for security purposes only and the right to repossess the materials and Equipment.

(d) The parties acknowledge that the price for which PACIFICWEST has agreed to perform the Services and obligations under this Agreement was calculated based upon the foregoing allocations of risk, and that each party has expressly relied on, and would not have entered into this Agreement but for, such allocations of risk.

(e) The Surety providing the Performance Bond shall not be responsible for the guaranteed savings detailed in Exhibit F. The cost savings detailed in Exhibit C shall not be covered under the Performance Bond. PACIFICWEST shall be solely responsible for providing the guaranteed savings detailed in Exhibit F and the cost savings detailed in Exhibit C pursuant to the terms of this Agreement.

11. INDEMNIFICATION

PACIFICWEST will indemnify CLIENT from and against losses, claims, expenses and damages (including reasonable attorney's fees) for personal injury or physical damage to property (collectively "Damages"). Such indemnification shall be solely to the extent the Damages are caused by or arise directly from PACIFICWEST or its employees, consultants' or agents' gross negligence or willful misconduct in connection with PACIFICWEST performance of the Services.

PACIFICWEST's obligations under this indemnity shall not extend to Damages arising out of or in any way attributable to the gross negligence or willful misconduct of CLIENT or its agents,

PACIFICWEST

ENERGY SOLUTIONS

contractors or employees (for which CLIENT shall be fully responsible and for which CLIENT will indemnify, defend and hold harmless PACIFICWEST). PACIFICWEST reserves the right to control the defense and settlement of any claim for which PACIFICWEST has an obligation to indemnify hereunder.

In no event shall CLIENT or PACIFICWEST be liable under this indemnity or otherwise under this Agreement for special, indirect, incidental, punitive, exemplary or consequential damages, including commercial loss, loss of use, or lost profits, however caused, even if PACIFICWEST or CLIENT have been advised of the possibility of such damages. In any event, PACIFICWEST's aggregate liability for any claims, losses, or expenses arising out of this Agreement, or out of any goods or services furnished under this Agreement, whether based in contract, negligence, strict liability, agency, warranty, trespass, indemnity, or any other theory of liability, shall be limited to not greater than the total compensation received by PACIFICWEST from CLIENT under this agreement.

12. ENTIRE AGREEMENT

This Agreement constitutes the entire, complete, and exclusive agreement between the parties and supersedes all prior and contemporaneous negotiations, statements, representations, agreements, letters of intent, awards, or proposals, either written or oral relative to the same. There are no other promises or conditions in any other agreement whether oral or written concerning the subject matter of this Agreement.

13. SEVERABILITY

If any provision of this Agreement will be held to be invalid or unenforceable for any reason, the remaining provisions will continue to be valid and enforceable. If a court finds that any provision of this Agreement is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision will be deemed to be written, construed, and enforced as so limited.

14. AMENDMENT

This Agreement may be modified or amended only by a written instrument signed by both parties.

15. GOVERNING LAW

This Agreement shall be construed in accordance with the laws of the State of California.

16. NOTICE

Any notice or communication required or permitted under this Agreement shall be sufficiently given if delivered in person or by certified mail, return receipt requested, to the address set forth in the opening paragraph or to such other address as one party may have furnished to the other in writing.

17. ASSIGNMENT

Neither party may assign or transfer this Agreement without the prior written consent of the non-assigning party, except that either party may assign this Agreement to its affiliates and PACIFICWEST may use subcontractors in the performance of the Work. Nothing contained in this Agreement shall be construed to give any rights or benefits to anyone other than CLIENT and PACIFICWEST without the express written consent of both parties.

18. MISCELLANEOUS PROVISIONS

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(a) This Agreement and all provisions of this Agreement allocating responsibility or liability between the parties shall survive the completion of the Services and the termination of this Agreement.

(b) PACIFICWEST performance of the Services is expressly conditioned on CLIENT's assenting to all of the terms of this Agreement, notwithstanding any different or additional terms contained in any writing at any time submitted or to be submitted to PACIFICWEST by CLIENT relating to the Services, even if signed by PACIFICWEST, unless PACIFICWEST signs a written statement expressly indicating that such terms supersede the terms of this Agreement

(c) The waiver by a party of any breach by the other party of any term, covenant or condition hereof shall not operate as a waiver of any subsequent breach hereof. No waiver shall operate or be effective unless made in writing and executed by the party to be bound thereby.

(d) This Agreement may be executed in one or more counterparts, each of which will be deemed to be an original copy of this Agreement and all of which, when taken together, will be deemed to constitute one and the same instrument.

In Witness Whereof, the undersigned have executed this Agreement as of the date set forth in the first paragraph above.

CLIENT:
Westside Union School District

PACIFICWEST:
PacificWest Energy Solutions, Inc.

By: _____
Shawn Cabey
Assistant Superintendent
Business Services

By: _____
Robert Cho
President

EXHIBIT A SCOPE OF SERVICES

SERVICES INDEX

Lighting
Solar Photovoltaic
Proposition 39
General Services
Utility Rebates & Incentives
Exclusions

Lighting

The majority of the current interior lighting systems has been retrofitted and are comprised of fourth generation, T8 linear fluorescent technology, as well as several first generation, T8 linear fluorescent and compact fluorescent systems in various enclosed spaces and common areas. The typical fixture consists of a 2x4 recessed, prismatic style fixture with 2 lamps per fixture or a 1x4 ceiling mount style fixture with 2 lamps per fixture. Because of the end use and hours of operation, there is a significant lighting load throughout the facilities during the school year. With the exception of specialty lighting fixtures, fourth generation T8 upgrades, delamping, lens upgrades, and expanded occupancy sensor controls appear to be feasible for non-retrofitted areas. Although occupancy sensors are currently being used at many of the campuses, there are still a number of areas that do not currently use them and are good candidates for energy savings.

Exterior and parking lot lighting primarily use standard high pressure sodium or metal halide systems. The majority of the exterior lighting systems are controlled via the Ecobee Web-Based Thermostat system. Typical exterior systems include compact fluorescent wall pack and ceiling mount style fixtures for building/path lighting or T5 shoe box style fixtures in parking lot/driveway areas. PacificWest generally recommends upgrading metal halide (MH) and high pressure sodium (HPS) lighting to high efficiency LED systems for increased efficiency, safety, and performance. Due to the long life expectancy rated at 50,000-70,000 hours for LED systems, the added benefit of reduced maintenance requirements outweigh initial first cost.

As a consideration for future equipment replacement, end use, and selection, 2016 Title 24 energy code requirements have applied stringent requirements which will add further complexity and costs to replacement strategies and projects. Some of these requirements include switching requirements, multi-level lighting including dimming, occupant sensing lighting controls, bi-level occupant sensing lighting systems, and demand response controls.

Per the approved Proposition 39 Amended Energy Expenditure Plan, PacificWest recommends lighting in the interior spaces of administrative offices to be upgraded to direct-wired, LED lighting coupled with occupancy sensor controls throughout. In addition, delamping of 3 and 4 lamp fixtures to 2 lamp fixtures, retrofitting parabolic/opaque lenses to prismatic, and rewiring switching patterns as needed, will help meet Title 24 energy code requirements while improving overall lighting quality and energy efficiency. For exterior fixtures, high efficiency and long-lasting LED upgrades are recommended. Along with significant energy savings and higher light quality, the upgrade will also reduce ongoing maintenance and material replacement costs.

Detailed Scope of Work:

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ENERGY SOLUTIONS

- ◆ Installation of new energy efficient lighting lamps, ballasts, fixtures, and controls per the Lighting Savings Analysis at the following facilities:
 - Anaverde Hills
 - Cottonwood
 - Del Sur
 - Esperanza
 - Gregg Anderson
 - Hillview
 - Joe Walker
 - Leona Valley
 - Quartz Hill
 - Rancho Vista
 - Sundown
 - Valley View
 - District Office
- ◆ Provide and install new lamps, ballasts, fixtures, sensor controls, and other appurtenances, as per the performance specifications requirements of the savings analysis.
- ◆ Removal of lamps, ballasts, and other equipment to be replaced.
- ◆ Reduce light levels to IES lighting standards for hallway, office, and classroom areas.
- ◆ Coordinate and provide lamp and ballast disposal/recycle service.
- ◆ Provide engineering and schematics as needed.
- ◆ Conform to all District, local, and state codes and requirements including Title 24 Building and Energy codes.
- ◆ Provide site supervision and coordination of installation activities.
- ◆ Conform to project schedule and timelines specified in Contract.
- ◆ Provide project tracking and work progress reporting at intervals to be determined (TBD).
- ◆ Provide one (1) operations & maintenance manual.
- ◆ Conduct one (1) hour of onsite training of operation.
- ◆ Apply for applicable rebates and incentives through SCE and assist with measurement & verification activities coordination.

Solar Photovoltaic

Approximately 6 years ago, 462 kW of pole-mounted concentrated solar photovoltaic power systems were installed for each of the following schools sites: Cottonwood, Del Sur, District Office, Hillview, and Leona Valley for Phase 1. Phase 2 consisted of 617 kW of pole-mounted concentrated solar photovoltaic power systems at Del Sur that virtually net meter into Esperanza, Gregg Anderson, Joe Walker, Rancho Vista, Sundown, and Valley View. These measures provide renewable sourced power as well as savings through net metering tariffs via Southern California Edison (SCE) utilities.

At Hillview Middle School, pole-mounted concentrated solar photovoltaic power (CPV) systems were installed along the southern and western hillsides that border the play fields. The CPV system provided renewable sourced power as well as savings through net metering tariffs from Southern California Edison (SCE). In the intervening years since the installation, SCE has made significant changes to their Time-Of-Use (TOU) policies, most significantly the shifting of the high-value generation hours from the workday to the evening. The challenge for independent solar operators like the District is that solar systems produce only during daylight hours, and as a result the value of the energy being generated is significantly diminished. Concurrently and

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ENERGY SOLUTIONS

independently of these SCE policy changes, solar generation technology has also evolved over the past several years, to the point where it is now possible to generate increased kilowatts (kW) from flat-panel solar arrays for use by the school during peak use hours and store the excess energy for release to the grid during peak kW-value hours. These two developments taken together, the change in TOU and the advances in solar tech, provide an opportunity to not only continue to produce clean energy while maximizing cost savings/revenue earning potential, but also address both the long-standing concerns within the neighboring community and the persistent vandalism.

PacificWest recommends removal of the existing system while harvesting parts and components to provide replacement supplies for other systems within the District, and installing an updated system with improved aesthetics, decreased failure points, reduced ongoing maintenance requirements, and improved power generation capacity that will provide renewable power savings long-term.

Detailed Scope of Work:

- ◆ Turn-key Solar Photovoltaic removal and installation at the following facilities:
 - Hillview Middle
 - Remove and harvest parts for existing 176.4kW DC system.
 - Install new 260.8 kW DC, ground mount, fixed position system.
- ◆ Provide Material Data Sheets upon request.
- ◆ Removal and proper disposal of equipment to be replaced. Parts requested by the District will be transported to the District Warehouse.
- ◆ Reuse existing wiring, conduits, electrical disconnects, existing controls & disconnects, as appropriate.
- ◆ Installation of new electrical disconnects and wiring, conduit, required electrical upgrades, required structural upgrades, as needed.
- ◆ Coordinate interconnection process and permission to operate procedures with SCE.
- ◆ Provide design and coordinate DSA over-the-counter (OTC) review permit approval process.
- ◆ Provide all required cutting, flashing, floor/ceiling/wall/roof repair, patching, and painting of all areas affected by the project installation.
- ◆ Maintain code required setbacks, electrical clearances, and applicable Title 24 requirements.
- ◆ Maintain manufacturer specified as well as District required operation and performance standards.
- ◆ Conform to all District, local, and state codes and requirements including Title 24 Building and Energy codes.
- ◆ Provide site supervision and coordination of installation activities.
- ◆ Conform to project schedule and timelines specified in Contract.
- ◆ Perform system start up and commissioning documentation as needed.
- ◆ Provide project tracking and work progress reporting at intervals to be determined (TBD).
- ◆ Provide one (1) operations & maintenance manual.
- ◆ Conduct one (1) hour of onsite training of operation.
- ◆ Apply for applicable rebates and incentives through SCE and assist with measurement & verification activities coordination.

Proposition 39

PACIFICWEST

ENERGY SOLUTIONS

PACIFICWEST will provide to CLIENT all necessary services in accordance to Proposition 39 requirements. The following will be provided by PACIFICWEST.

- ◆ All Proposition 39 project services will comply with guidelines.
- ◆ Project/Expenditure will meet Proposition 39 funding requirements.
- ◆ Provide necessary data and coordinate project with all submission and reporting requirements.
- ◆ Amend contract to reflect reduced funding allocation and change in energy expenditure plan if Proposition 39 monies are reduced.

PACIFICWEST acknowledges that all applicable Services must qualify as an eligible project under Proposition 39; and that the Services may be amended to reflect changes in funding allocation and District's energy expenditure plan, upon mutual agreement of the Parties and a written amendment to this Agreement related to any changes in Services, payment, and duration. Prior to commencement of any work, District shall review and approve the project.

General Services

PACIFICWEST will provide to CLIENT all necessary resources to provide a complete and comprehensive delivery for the Services within this Agreement. The following will be provided by PACIFICWEST.

- ◆ Energy Engineering, Performance Assurance, Project Management & Oversight
- ◆ Regular CLIENT Updates & Progress Communication
- ◆ Commissioning & Sign Off of Project Delivery
- ◆ Utility Rebate & Incentives Processing
- ◆ Standard Industry Insurance Coverage
- ◆ Warranty Assistance For Up To 1 Year

Utility Rebates & Incentives

Any and all utility rebates or incentives that are a direct result of this project will remain with CLIENT, as PACIFICWEST has no claim on any such payments.

PACIFICWEST cannot guarantee exact amounts, nor does PACIFICWEST guarantee the availability of such utility rebate & incentive funds provided by the Utility Provider or Authority.

PACIFICWEST will reasonably assist CLIENT in the utility rebate & incentive process by identifying available programs, obtaining necessary information and applications, and providing required documentation to facilitate the direct or express utility rebate and incentive transaction. All other requirements governed by the Utility Provider or Authority are the sole responsibility of CLIENT.

Exclusions

The following items are excluded from the previous listed scope of work:

- ◆ Asbestos or other hazardous waste removal, abatement, and responsibility.
- ◆ Applicable building permit applications, additional engineering, and associated fees.

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- ◆ Service work, repairs, and upgrades to existing equipment not specifically addressed within the scope of work.
- ◆ Any alteration or deviations from the above specifications involving extra cost of material or labor will be executed upon written orders for same and will become an extra charge over the sum mentioned in this contract.

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ENERGY SOLUTIONS

EXHIBIT B PAYMENT SCHEDULE

In exchange for the Services, CLIENT shall pay PACIFICWEST the Agreement Sum of \$1,887,314.

PACIFICWEST will issue invoices to Client for payments due based on the following Payment Schedule below:

Services	Payment (\$)
Lighting	
Installation	\$ 412,232
Solar Photovoltaic	
Installation	\$ 942,291
20 Year Extended Warranty	\$ 264,000
Other	
Project Engineering	\$ 85,200
Title 24 Compliance	\$ 5,325
Project Management	\$ 63,900
Project Measurement & Verification	\$ 15,975
Insurance	\$ 53,668
Bond	\$ 44,723
Totals	\$ 1,887,314

Month	Phase	Payment (\$)	Payment (%)
June 2018	Mobilization	\$ 253,837	13.4%
July 2018	Design	\$ 203,920	10.8%
August 2018	Delivery	\$ 288,420	15.3%
September 2018	Installation	\$ 315,942	16.7%
October 2018	Installation	\$ 306,890	16.3%
November 2018	Installation	\$ 171,437	9.1%
December 2018	Installation	\$ 171,437	9.1%
January 2019	Close Out	\$ 175,431	9.3%
Totals		\$ 1,887,314	100%

EXHIBIT C SAVINGS ANALYSIS

SAVINGS ANALYSIS INDEX

Lighting
Solar Photovoltaic

Please refer to the attached Savings Analysis documents for the measures listed above.

[ATTACH SAVINGS ANALYSIS DOCUMENTS]

LIGHTING ANALYSIS SUMMARY

Westside Union School District

Replacement Type: LED

All Sites

Line #	Facility	Existing					Proposed					Total Savings			Maintenance
		Fixture Qty	Sensor Qty	KW	KWH	Cost	Fixture Qty	Sensor Qty	KW	KWH	Cost	KW Savings	Energy KWH Savings	Cost Savings	
1	Anaverde Hills	783	100	47	72,698	\$14,968	783	100	45	66,259	\$14,325	2	6,439	\$643	\$728
2	Cottonwood	755	30	34	55,703	\$9,893	755	37	31	43,493	\$8,400	3	12,210	\$1,493	\$227
3	Del Sur	799	54	39	64,423	\$11,640	799	60	36	50,699	\$9,913	3	13,724	\$1,727	\$946
4	Esperanza	965	61	44	75,420	\$14,396	965	62	39	55,717	\$12,192	5	19,703	\$2,204	\$993
5	Gregg Anderson	782	91	59	117,962	\$19,267	782	91	54	97,720	\$17,311	5	20,242	\$1,956	\$824
6	Hillview	1,248	81	64	101,912	\$18,737	1,248	92	59	80,672	\$16,087	5	21,240	\$2,650	\$936
7	Joe Walker	1,778	83	106	177,362	\$30,660	1,778	93	97	135,378	\$26,147	9	41,984	\$4,513	\$1,465
8	Leona Valley	316	15	17	30,976	\$5,230	316	22	14	19,967	\$3,828	3	11,009	\$1,402	\$465
9	Quartz Hill	756	67	34	46,043	\$9,936	756	69	32	41,513	\$9,341	2	4,530	\$595	\$510
10	Rancho Vista	657	37	32	55,109	\$10,029	657	42	28	38,733	\$8,204	4	16,376	\$1,825	\$883
11	Sundown	813	71	40	60,652	\$12,308	813	71	37	51,258	\$11,400	3	9,394	\$908	\$553
12	Valley View	826	42	37	59,888	\$9,979	826	48	34	46,188	\$8,747	3	13,700	\$1,232	\$726
13	District Offices	310	34	16	31,683	\$6,804	310	60	9	17,023	\$3,782	7	14,660	\$3,022	\$1,165
Totals		10,788	766	569	949,831	\$173,847	10,788	847	515	744,620	\$149,677	54	205,211	\$24,170	\$10,421

Scope: Fluorescent and incandescent fixtures in office spaces relamped with LED lamps. Linear fluorescents delamped with retrofit kit, where applicable. Occupancy sensors for all interior areas with lighting upgrades, except for areas where there is an existing occupancy sensor. All fluorescent, incandescent, and HID exterior fixtures to be replaced with new LED fixtures except for sports lighting.

*Return on Investment (ROI) assumes a conservative 3% utility rate escalation.

LIGHTING ANALYSIS SUMMARY

Westside Union School District

All Sites

Line #	Facility	Existing				Interior Summary				Proposed				Interior Savings			Maintenance
		Fixture Qty	KW	KWH	Cost	Fixture Qty	KW	KWH	Cost	KW Savings	Energy Savings KWH	Cost Savings		Cost Savings			Cost Savings
1	Anaverde Hills	678	43	58,109	\$13,513	678	43	58,109	\$13,513	0	0	\$0		\$0			\$0
2	Cottonwood	663	30	42,313	\$8,331	663	30	41,294	\$8,144	0	1,019	\$187		\$95			\$95
3	Del Sur	692	35	48,631	\$9,750	692	34	47,307	\$9,507	1	1,324	\$243		\$116			\$116
4	Esperanza	864	39	57,281	\$12,643	864	38	54,785	\$12,102	1	2,496	\$541		\$299			\$299
5	Gregg Anderson	683	44	52,880	\$12,980	683	44	52,880	\$12,980	0	0	\$0		\$0			\$0
6	Hillview	1,152	58	78,721	\$15,961	1,152	57	76,870	\$15,632	1	1,851	\$329		\$173			\$173
7	Joe Walker	1,603	71	115,336	\$24,477	1,603	70	112,237	\$23,841	1	3,099	\$636		\$291			\$291
8	Leona Valley	269	13	15,400	\$3,324	269	12	14,408	\$3,148	1	992	\$176		\$97			\$97
9	Quartz Hill	699	32	40,653	\$9,364	699	32	39,362	\$9,113	0	1,291	\$251		\$115			\$115
10	Rancho Vista	590	27	34,273	\$7,817	590	26	33,566	\$7,656	1	707	\$161		\$87			\$87
11	Sundown	734	36	46,637	\$10,954	734	36	46,637	\$10,954	0	0	\$0		\$0			\$0
12	Valley View	723	33	43,636	\$8,663	723	32	42,428	\$8,442	1	1,208	\$221		\$124			\$124
13	District Offices	282	13	21,780	\$5,441	282	8	12,774	\$3,197	5	9,006	\$2,244		\$795			\$795
Totals		9,632	474	655,650	\$143,218	9,632	462	632,657	\$138,229	12	22,993	\$4,989		\$2,192			

LIGHTING ANALYSIS SUMMARY

Westside Union School District

All Sites

Line #	Facility	Existing				Proposed				Sensor Savings			Maintenance Cost Savings
		Sensor Qty	KW	KWH	Cost	Sensor Qty	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	
1	Anaverde Hills	100	45	67,245	\$14,423	100	45	66,259	\$14,325	0	986	\$98	\$0
2	Cottonwood	30	31	48,822	\$9,021	37	31	43,493	\$8,400	0	5,329	\$621	\$0
3	Del Sur	54	36	55,162	\$10,447	60	36	50,699	\$9,913	0	4,463	\$534	\$0
4	Esperanza	61	39	62,116	\$12,810	62	39	55,717	\$12,192	0	6,399	\$618	\$0
5	Gregg Anderson	91	54	98,324	\$17,369	91	54	97,720	\$17,311	0	604	\$58	\$0
6	Hillview	81	59	86,559	\$16,791	92	59	80,672	\$16,087	0	5,887	\$704	\$0
7	Joe Walker	83	97	144,503	\$27,057	93	97	135,378	\$26,147	0	9,125	\$910	\$0
8	Leona Valley	15	14	20,871	\$3,938	22	14	19,967	\$3,828	0	904	\$110	\$0
9	Quartz Hill	67	32	42,558	\$9,452	69	32	41,513	\$9,341	0	1,045	\$111	\$0
10	Rancho Vista	37	28	41,243	\$8,471	42	28	38,733	\$8,204	0	2,510	\$267	\$0
11	Sundown	71	37	53,037	\$11,572	71	37	51,258	\$11,400	0	1,779	\$172	\$0
12	Valley View	42	34	49,803	\$9,039	48	34	46,188	\$8,747	0	3,615	\$292	\$0
13	District Offices	34	9	18,145	\$3,935	60	9	17,023	\$3,781	0	1,122	\$154	\$0
Totals		766	515	788,388	\$154,325	847	515	744,620	\$149,676	0	43,768	\$4,649	\$0

LIGHTING ANALYSIS SUMMARY

Westside Union School District

All Sites

All Sites		Exterior Summary								Exterior Savings			Maintenance
Line #	Facility	Existing				Proposed				KW Savings	Energy	Cost	Cost Savings
		Fixture Qty	KW	KWH	Cost	Fixture Qty	KW	KWH	Cost		KWH Savings	Savings	
1	Anaverde Hills	105	4	14,589	\$1,455	105	3	9,137	\$911	1	5,452	\$544	\$728
2	Cottonwood	92	4	13,390	\$1,562	92	2	7,529	\$878	2	5,861	\$684	\$132
3	Del Sur	107	4	15,792	\$1,890	107	2	7,855	\$941	2	7,937	\$949	\$830
4	Esperanza	101	5	18,139	\$1,753	101	2	7,332	\$709	3	10,807	\$1,044	\$694
5	Gregg Anderson	99	15	65,082	\$6,287	99	11	45,445	\$4,390	4	19,637	\$1,897	\$824
6	Hillview	96	6	23,191	\$2,776	96	3	9,689	\$1,160	3	13,502	\$1,616	\$763
7	Joe Walker	175	35	62,026	\$6,183	175	28	32,267	\$3,217	7	29,759	\$2,966	\$1,174
8	Leona Valley	47	4	15,576	\$1,906	47	2	6,463	\$791	2	9,113	\$1,115	\$368
9	Quartz Hill	57	2	5,390	\$572	57	1	3,197	\$340	1	2,193	\$232	\$395
10	Rancho Vista	67	5	20,836	\$2,212	67	2	7,678	\$815	3	13,158	\$1,397	\$796
11	Sundown	79	4	14,015	\$1,354	79	2	6,400	\$619	2	7,615	\$735	\$553
12	Valley View	103	4	16,252	\$1,316	103	2	7,375	\$597	2	8,877	\$719	\$602
13	District Offices	28	3	9,903	\$1,363	28	2	5,371	\$739	1	4,532	\$624	\$370
Totals		1,156	95	294,181	\$30,629	1,156	62	155,738	\$16,107	33	138,443	\$14,522	\$8,229

LIGHTING ANALYSIS HOURS

Westside Union School District

Buildings

Area Type	Current Hours	% Savings	Sensor Hours	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Start	End	Weeks
24/7 Operation	8,736	0%	8,736	x	x	x	x	x	x	x	12:00 AM	12:00 AM	52.0
After School Program	732	20%	586		x	x	x	x	x		2:00 PM	6:00 PM	36.6
Auditorium	366	20%	293		x	x	x	x	x		11:00 AM	1:00 PM	36.6
Board/Council	300	20%	240				x				5:00 PM	11:00 PM	50.0
Break	500	20%	400		x	x	x	x	x		11:30 AM	1:30 PM	50.0
Class (Adult)	3,750	20%	3,000		x	x	x	x	x		7:00 AM	10:00 PM	50.0
Class (Daycare)	2,750	20%	2,200		x	x	x	x	x		7:00 AM	6:00 PM	50.0
Class (Elementary)	1,464	20%	1,171		x	x	x	x	x		7:00 AM	3:30 PM	36.6
Class (High)	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Class (Middle)	1,647	20%	1,318		x	x	x	x	x		7:00 AM	4:30 PM	36.6
Class (Preschool)	2,750	20%	2,200		x	x	x	x	x		7:00 AM	6:00 PM	50.0
Conference	1,250	20%	1,000		x	x	x	x	x		10:00 AM	3:00 PM	50.0
Dining	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Elec/Mech	183	20%	146		x	x	x	x	x		12:00 PM	1:00 PM	36.6
Exit	8,736	20%	6,989	x	x	x	x	x	x	x	12:00 AM	12:00 AM	52.0
Exterior	4,368	20%	3,494	x	x	x	x	x	x	x	6:00 PM	6:00 AM	52.0
Garage	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Gym	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Hallway	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Kitchen	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Lobby	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Locker	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Misc	366	20%	293		x	x	x	x	x		11:00 AM	1:00 PM	36.6
Office (Open)	2,750	20%	2,200		x	x	x	x	x		7:00 AM	6:00 PM	50.0
Office (Private)	2,750	20%	2,200		x	x	x	x	x		7:00 AM	6:00 PM	50.0
Recreation/Fitness	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Restroom	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Server	250	20%	200		x	x	x	x	x		12:00 PM	1:00 PM	50.0
Sports (Exterior)	549	20%	439		x	x	x	x	x		6:00 PM	9:00 PM	36.6
Stage	366	20%	293		x	x	x	x	x		11:00 AM	1:00 PM	36.6
Storage	183	20%	146		x	x	x	x	x		12:00 PM	1:00 PM	36.6
Workroom	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6
Library/Media	2,013	20%	1,610		x	x	x	x	x		7:00 AM	6:00 PM	36.6

SCHEDULES

Westside Union School District

Buildings

Electricity

Natural Gas

#	Name	Operating Schedule	Weeks Per Year	Days Per Year	Hours Per Year	Rate Schedule	Rate ID	\$/kW	\$/kWh	Rate Schedule	Rate ID	\$/Therm
1	Anaverde Hills	M-F 7:00am-4:30pm	40.8	204	1,836	TOU-GS-3-A	E1	\$18.29	\$0.09968	GN-10	G1	1.12
2	Cottonwood	M-F 7:00am-3:30pm	40.8	204	1,632	TOU-GS-3-R	E2	\$11.45	\$0.11659	GN-10	G1	1.10
3	Del Sur	M-F 7:00am-4:30pm	40.8	204	1,836	TOU-GS-3-R	E3	\$11.45	\$0.11968	GN-10	G1	0.85
4	Esperanza	M-F 7:00am-3:30pm	40.8	204	1,632	TOU-GS-3-A	E4	\$18.29	\$0.09659	GN-10	G1	1.06
5	Gregg Anderson	M-F 7:00am-3:30pm	40.8	204	1,632	TOU-GS-3-A	E4	\$18.29	\$0.09659	GN-10	G1	0.88
6	Hillview	M-F 7:00am-4:30pm	40.8	204	1,836	TOU-GS-3-R	E3	\$11.45	\$0.11968	GN-10	G1	0.94
7	Joe Walker	M-F 7:00am-4:30pm	40.8	204	1,836	TOU-GS-3-A	E1	\$18.29	\$0.09968	GN-10	G1	0.86
8	Leona Valley	M-F 7:00am-4:30pm	40.8	204	1,836	TOU-GS-2-R	E5	\$12.00	\$0.12232		N/A	0.00
9	Quartz Hill	M-F 7:00am-3:30pm	40.8	204	1,632	TOU-GS-2-A	E6	\$15.89	\$0.10612	GN-10	G1	0.89
10	Rancho Vista	M-F 7:00am-3:30pm	40.8	204	1,632	TOU-GS-2-A	E7	\$15.89	\$0.10612	GN-10	G1	1.00
11	Sundown	M-F 7:00am-3:30pm	40.8	204	1,632	TOU-GS-3-A	E4	\$18.29	\$0.09659	GN-10	G1	0.99
12	Valley View	M-F 7:00am-3:30pm	40.8	204	1,632	TOU-GS-2-B	E8	\$15.89	\$0.08094	GN-10	G1	0.93
13	District Offices	M-F 7:00am-6:00pm	50.0	250	2,750	TOU-GS-2-A	E9	\$15.89	\$0.13758	GN-10	G1	1.28

Note: Schedules Above Are Representative of the Typical Usage Area Based On Published Calendars & Staff Interviews.
 Information Considered Include: Facility Schedules, Staff Work Schedules, Typical Annual Operation & Holidays.
 The Above Schedules Exclude Special Events, After Hours Facilities Use & Custodial/Maintenance Operations.
 Detailed Schedules Specific To Area Type Have Been Used & Noted Within The Energy Modeling & Savings Analysis.

SCOPE OF WORK SUMMARY

Westside Union School District

Replacement Fixture Description	Fixture Qty	Retrofit / New Fixture	Sensor	Sensor Qty
2L 15W 48" Tube LED, Direct Wire	649	Retrofit	Dual technology ceiling occupancy sensor	81
1L 8W LED Wall Pack	209	New Fixture		
1L 34W LED Wall Pack w/ Motion Sensor	133	New Fixture		
1L 20W LED Ceiling Mount	118	New Fixture		
1L 17W LED, Screw-In	96	Retrofit		
1L 19W LED Wall Pack	92	New Fixture		
1L 14W LED Wall Pack	84	New Fixture		
1L 8W LED Ceiling Mount	48	New Fixture		
1L 110W LED Shoebox w/ Motion Sensor	45	New Fixture		
2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	43	Retrofit		
4L 11W 22" Tube LED, Direct Wire	40	Retrofit		
1L 20W LED 6" Recessed Can Retrofit Kit	27	Retrofit		
1L 33W LED Shoebox w/ Motion Sensor	27	New Fixture		
4L 22W 48" HO LED, Direct Wire	26	Retrofit		
3L 11W 22" Tube LED, Direct Wire	25	Retrofit		
2L 8W 24" LED	19	Retrofit		
1L 10W LED Ceiling Mount	17	New Fixture		
1L 8W LED, Screw-In	16	Retrofit		
1L 53W LED Wall Pack w/ Motion Sensor	15	New Fixture		
1L 8W LED Recessed Can Retrofit Kit	13	Retrofit		
1L 12W LED, Screw-In	12	Retrofit		
2L 22W 48" HO LED, Direct Wire	11	Retrofit		
1L 16.5W LED, Direct Wire	9	Retrofit		
1L 26W LED Flood	8	New Fixture		
8L 11W 22" Tube LED, Direct Wire	5	Retrofit		
1L 80W LED Flood	4	New Fixture		
3L 16W LED, Screw-In	3	Retrofit		
2L 11W 22" Tube LED, Direct Wire	3	Retrofit		
1L 12W LED Ceiling Mount	2	New Fixture		
4L 15W 48" Tube LED, Direct Wire	2	Retrofit		
1L 70W LED Flood	1	New Fixture		
Total	1802	1802		

LIGHTING ANALYSIS

Westside Union School District

Anasverde Hills

Replacement Type - LED Survey														Proposed														Lighting				Sensor				Total Energy				Maint	
#	Facility	Blgd	Blgd Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings									
1	Anasverde Hills	A		Front Lobby	Lobby	Ceiling IR	1L 5W LED N/A Recessed Clear	8	5	1,610	0.0	58	\$12.4	No Change	8	5	1,610	0.0	58	\$12.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
2	Anasverde Hills	A		Front Lobby	Lobby	Ceiling IR	3L 28W 48" T8 2x4 Recessed Opaque	12	74	1,610	0.8	1,287	\$274.5	No Change	12	74	1,610	0.8	1,287	\$274.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
3	Anasverde Hills	A	15	Office (Open)	Office (Open)	Wall IR	3L 28W 48" T8 2x4 Recessed Opaque	4	74	2,200	0.3	586	\$107.1	No Change	4	74	2,200	0.3	586	\$107.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
4	Anasverde Hills	A	12	Office (Private)	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Opaque	4	74	2,200	0.3	586	\$107.1	No Change	4	74	2,200	0.3	586	\$107.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
5	Anasverde Hills	A	13	Office (Private)	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Opaque	2	74	2,200	0.1	293	\$53.6	No Change	2	74	2,200	0.1	293	\$53.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
6	Anasverde Hills	A	14	Office (Open)	Office (Open)	Ceiling IR	3L 28W 48" T8 2x4 Recessed Opaque	4	74	2,200	0.3	586	\$107.1	No Change	4	74	2,200	0.3	586	\$107.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
7	Anasverde Hills	A		Unisex	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	1,610	0.0	72	\$15.5	No Change	1	50	1,610	0.0	72	\$15.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
8	Anasverde Hills	A		Storage	Storage	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	146	0.0	7	\$8.9	No Change	1	50	146	0.0	7	\$8.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
9	Anasverde Hills	A	16	Office (Private)	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Opaque	4	74	2,200	0.3	586	\$107.1	No Change	4	74	2,200	0.3	586	\$107.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
10	Anasverde Hills	A		Unisex	Restroom	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	3	50	1,610	0.1	217	\$46.4	No Change	3	50	1,610	0.1	217	\$46.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
11	Anasverde Hills	A	47	Office (Private)	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Opaque	2	74	2,200	0.1	293	\$53.6	No Change	2	74	2,200	0.1	293	\$53.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
12	Anasverde Hills	A	48	Office (Private)	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Opaque	2	74	2,200	0.1	293	\$53.6	No Change	2	74	2,200	0.1	293	\$53.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
13	Anasverde Hills	A	49	Office (Open)	Office (Open)	Ceiling IR	3L 28W 48" T8 2x4 Recessed Opaque	9	74	2,200	0.6	1,319	\$241.1	No Change	9	74	2,200	0.6	1,319	\$241.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
14	Anasverde Hills	A	45	Break	Break	Ceiling IR	3L 28W 48" T8 2x4 Recessed Opaque	10	74	400	0.7	266	\$148.4	No Change	10	74	400	0.7	266	\$148.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
15	Anasverde Hills	A		Women's	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	3	50	1,610	0.1	217	\$46.4	No Change	3	50	1,610	0.1	217	\$46.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
16	Anasverde Hills	A		Men's	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	1,610	0.0	72	\$15.5	No Change	1	50	1,610	0.0	72	\$15.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
17	Anasverde Hills	A	50	Elect/Mech	Elect/Mech	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	2	50	146	0.1	13	\$17.8	No Change	2	50	146	0.1	13	\$17.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
18	Anasverde Hills	A		Hallway	Hallway	Ceiling IR	3L 28W 48" T8 2x4 Recessed Opaque	3	74	1,610	0.2	322	\$68.6	No Change	3	74	1,610	0.2	322	\$68.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
19	Anasverde Hills	A		Hallway	Hallway	Ceiling IR	3L 28W 48" T8 2x4 Recessed Opaque	16	74	1,610	1.1	1,716	\$366.0	No Change	16	74	1,610	1.1	1,716	\$366.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
20	Anasverde Hills	A		Hallway	Hallway	Ceiling IR	1L 5W LED N/A Recessed Clear	8	5	1,610	0.0	58	\$12.4	No Change	8	5	1,610	0.0	58	\$12.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
21	Anasverde Hills	A	35	Storage	Storage	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	3	50	146	0.1	20	\$26.7	No Change	3	50	146	0.1	20	\$26.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
22	Anasverde Hills	A	34	Gym	Gym	Ceiling IR	6L 54W 48" T5 2x4 Pendant Clear	20	466	1,610	8.4	13,566	\$2,893.0	No Change	20	466	1,610	8.4	13,566	\$2,893.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
23	Anasverde Hills	A	36	Kitchen	Kitchen	N/A	2L 28W 48" T8 1x4 Ceiling Mount Opaque	18	50	2,013	0.8	1,631	\$310.7	No Change	18	50	2,013	0.8	1,631	\$310.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
24	Anasverde Hills	A		Unisex	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	1,610	0.0	72	\$15.5	No Change	1	50	1,610	0.0	72	\$15.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
25	Anasverde Hills	A	39	Storage	Storage	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	4	50	146	0.2	26	\$35.5	No Change	4	50	146	0.2	26	\$35.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
26	Anasverde Hills	A	36	Kitchen	Kitchen	N/A	2L 28W 48" T8 1x4 Ceiling Mount Opaque	3	50	2,013	0.1	272	\$51.8	No Change	3	50	2,013	0.1	272	\$51.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
27	Anasverde Hills	A	42	Storage	Storage	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	2	50	146	0.1	13	\$17.8	No Change	2	50	146	0.1	13	\$17.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
28	Anasverde Hills	A	33	Storage	Storage	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	2	50	146	0.1	13	\$17.8	No Change	2	50	146	0.1	13	\$17.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
29	Anasverde Hills	A	34	Gym	Gym	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	2	50	1,610	0.1	145	\$30.9	No Change	2	50	1,610	0.1	145	\$30.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
30	Anasverde Hills	A	34	Gym	Gym	N/A	1L 5W LED N/A Recessed Clear	10	5	2,013	0.0	91	\$17.3	No Change	10	5	2,013	0.0	91	\$17.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
31	Anasverde Hills	A	34	Gym	Gym	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	16	50	1,610	0.7	1,159	\$247.3	No Change	16	50	1,610	0.7	1,159	\$247.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
32	Anasverde Hills	A	34	Gym	Gym	Add Ceiling Dual	2L 28W 48" T8 1x4 Wall Mount Opaque	1	50	2,013	0.0	91	\$17.3	No Change	1	50	1,610	0.0	72	\$15.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
33	Anasverde Hills	A	32	Gym	Gym	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	16	50	1,610	0.7	1,159	\$247.3	No Change	16	50	1,610	0.7	1,159	\$247.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
34	Anasverde Hills	A		Girls	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	1,610	0.0	72	\$15.5	No Change	1	50	1,610	0.0	72	\$15.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
35	Anasverde Hills	A		Boys	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	1,610	0.0	72	\$15.5	No Change	1	50	1,610	0.0	72	\$15.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
36	Anasverde Hills	A	26	Storage	Storage	Ceiling IR	3L 28W 48" T8 2x4 Recessed Opaque	15	74	146	1.0	146	\$197.3	No Change	15	74	146	1.0	146	\$197.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									

LIGHTING ANALYSIS

Westside Union School District

Avenido Hills

#	Facility	Bldg	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Lighting			Sensor			Total Energy		
																		KWH Savings	Cost Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings			
37	Avenido Hills	A	Hallway	Hallway	Ceiling IR	1L 17W 24" T8 1x4 Wall Mount NA	1	13	1,610	0.0	19	\$4.0	No Change	1	13	1,610	0.0	19	\$4.0	0.0	0	\$0.0	0	\$0.0		
38	Avenido Hills	A	27	Class (Elementary)	Ceiling IR	3L 20W 48" T8 2x4 Recessed Oblique	15	74	1,171	1.0	1,170	\$268.3	No Change	15	74	1,171	1.0	1,170	\$268.3	0.0	0	\$0.0	0.0	0	\$0.0	
39	Avenido Hills	A	25	Class (Elementary)	Ceiling IR	3L 20W 48" T8 2x4 Recessed Oblique	19	74	1,171	1.3	1,462	\$378.2	No Change	19	74	1,171	1.3	1,462	\$378.2	0.0	0	\$0.0	0.0	0	\$0.0	
40	Avenido Hills	A	25A	Office (Principal)	Wall IR	3L 20W 48" T8 2x4 Recessed Oblique	2	74	2,200	0.1	293	\$53.6	No Change	2	74	2,200	0.1	293	\$53.6	0.0	0	\$0.0	0.0	0	\$0.0	
41	Avenido Hills	A	24	Class (Elementary)	Ceiling IR	3L 20W 48" T8 2x4 Recessed Oblique	15	74	1,171	1.0	1,170	\$268.2	No Change	15	74	1,171	1.0	1,170	\$268.3	0.0	0	\$0.0	0.0	0	\$0.0	
42	Avenido Hills	A	23	Class (Elementary)	Ceiling IR	3L 20W 48" T8 2x4 Recessed Oblique	12	74	1,171	0.8	886	\$238.5	No Change	12	74	1,171	0.8	886	\$238.5	0.0	0	\$0.0	0.0	0	\$0.0	
43	Avenido Hills	A	Girls RR	Restroom	Ceiling IR	2L 20W 48" T8 1x4 Ceiling Mount Oblique	3	50	1,610	0.1	217	\$46.4	No Change	3	50	1,610	0.1	217	\$46.4	0.0	0	\$0.0	0.0	0	\$0.0	
44	Avenido Hills	A	Girls	Restroom	Ceiling IR	1L 5W LED NA Recessed Clear	1	5	1,610	0.0	7	\$1.5	No Change	1	5	1,610	0.0	7	\$1.5	0.0	0	\$0.0	0.0	0	\$0.0	
45	Avenido Hills	A	Boys	Restroom	Ceiling IR	2L 20W 48" T8 1x4 Ceiling Mount Oblique	3	50	1,610	0.1	217	\$46.4	No Change	3	50	1,610	0.1	217	\$46.4	0.0	0	\$0.0	0.0	0	\$0.0	
46	Avenido Hills	A	Girls	Restroom	Ceiling IR	1L 5W LED NA Recessed Clear	1	5	1,610	0.0	7	\$1.5	No Change	1	5	1,610	0.0	7	\$1.5	0.0	0	\$0.0	0.0	0	\$0.0	
47	Avenido Hills	A	18	Class (Elementary)	Ceiling IR	3L 20W 48" T8 2x4 Recessed Oblique	9	74	1,171	0.6	702	\$178.6	No Change	9	74	1,171	0.6	702	\$178.6	0.0	0	\$0.0	0.0	0	\$0.0	
48	Avenido Hills	A	Unisex	Restroom	Wall IR	2L 20W 48" T8 1x4 Ceiling Mount Oblique	1	50	1,610	0.0	72	\$15.5	No Change	1	50	1,610	0.0	72	\$15.5	0.0	0	\$0.0	0.0	0	\$0.0	
49	Avenido Hills	A	20	Class (Middle)	Ceiling IR	3L 20W 48" T8 2x4 Recessed Oblique	9	74	1,318	0.8	790	\$198.4	No Change	9	74	1,318	0.8	790	\$198.4	0.0	0	\$0.0	0.0	0	\$0.0	
50	Avenido Hills	A	Storage	Storage	Wall IR	2L 20W 48" T8 1x4 Ceiling Mount Oblique	1	50	146	0.0	7	\$8.9	No Change	1	50	146	0.0	7	\$8.9	0.0	0	\$0.0	0.0	0	\$0.0	
51	Avenido Hills	G	1	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	6	74	1,171	0.5	624	\$158.7	No Change	6	74	1,171	0.5	624	\$158.7	0.0	0	\$0.0	0.0	0	\$0.0	
52	Avenido Hills	G	1	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
53	Avenido Hills	G	2	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	16	74	1,171	1.1	1,248	\$318.3	No Change	16	74	1,171	1.1	1,248	\$318.3	0.0	0	\$0.0	0.0	0	\$0.0	
54	Avenido Hills	G	2	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
55	Avenido Hills	G	3	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	6	74	1,171	0.5	624	\$158.7	No Change	6	74	1,171	0.5	624	\$158.7	0.0	0	\$0.0	0.0	0	\$0.0	
56	Avenido Hills	G	3	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
57	Avenido Hills	H	1	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	6	74	1,171	0.5	624	\$158.7	No Change	6	74	1,171	0.5	624	\$158.7	0.0	0	\$0.0	0.0	0	\$0.0	
58	Avenido Hills	H	1	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
59	Avenido Hills	H	2	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	6	74	1,171	0.5	624	\$158.7	No Change	6	74	1,171	0.5	624	\$158.7	0.0	0	\$0.0	0.0	0	\$0.0	
60	Avenido Hills	H	2	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
61	Avenido Hills	H	3	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	6	74	1,171	0.5	624	\$158.7	No Change	6	74	1,171	0.5	624	\$158.7	0.0	0	\$0.0	0.0	0	\$0.0	
62	Avenido Hills	H	3	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
63	Avenido Hills	F	1	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	6	74	1,171	0.5	624	\$158.7	No Change	6	74	1,171	0.5	624	\$158.7	0.0	0	\$0.0	0.0	0	\$0.0	
64	Avenido Hills	F	1	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
65	Avenido Hills	F	2	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	6	74	1,171	0.5	624	\$158.7	No Change	6	74	1,171	0.5	624	\$158.7	0.0	0	\$0.0	0.0	0	\$0.0	
66	Avenido Hills	F	2	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
67	Avenido Hills	F	3	Class (Elementary)	Ceiling Dual	3L 20W 48" T8 2x4 Recessed Oblique	6	69	1,171	0.6	751	\$182.0	No Change	6	69	1,171	0.6	751	\$182.0	0.0	0	\$0.0	0.0	0	\$0.0	
68	Avenido Hills	F	3	Class (Elementary)	Ceiling Dual	1L 20W 48" T8 1x4 Recessed Oblique	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	
69	Avenido Hills	F	Girls	Restroom	Add Ceiling Mount Prismatic	3L 20W 48" T8 2x4 Recessed Prismatic	2	74	2,010	0.1	268	\$51.1	No Change	2	74	1,610	0.1	215	\$46.7	0.0	0	\$0.0	0.0	0	\$0.0	
70	Avenido Hills	F	Boys	Restroom	Add Ceiling Mount Prismatic	3L 20W 48" T8 2x4 Recessed Prismatic	2	74	2,010	0.1	268	\$51.1	No Change	2	74	1,610	0.1	215	\$46.7	0.0	0	\$0.0	0.0	0	\$0.0	
71	Avenido Hills	F	UDF	Bookroom	Wall IR	3L 20W 24" T8 2x4 Ceiling Mount Prismatic	2	59	146	0.1	16	\$21.0	No Change	2	59	146	0.1	16	\$21.0	0.0	0	\$0.0	0.0	0	\$0.0	
72	Avenido Hills	F	Storage	Storage	Wall IR	3L 20W 48" T8 2x4 Recessed Prismatic	1	74	146	0.1	10	\$13.2	No Change	1	74	146	0.1	10	\$13.2	0.0	0	\$0.0	0.0	0	\$0.0	

LIGHTING ANALYSIS

Westside Union School District

Anaville Hills

#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Hours / Fixture	KW	Cost	Proposed Fixture Description	Fixture Qty.	Hours / Fixture	KW	Cost	Lighting KW Savings	Sensor KW Savings	Total Energy kWh Savings	Cost Savings	Max Cost Savings
73	Anaville Hills	D	Staff	Staff	Restroom	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	1	74	1,610	0.1	107	No Change	1	74	1,610	0.1	107	\$22.9	0.0	\$0.0
74	Anaville Hills	D	Class	Class	Restroom	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	2	74	2,013	0.1	206	No Change	2	74	2,013	0.1	206	\$45.7	0.0	\$0.0
75	Anaville Hills	D	Boys	Boys	Restroom	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	2	74	2,013	0.1	206	No Change	2	74	2,013	0.1	206	\$45.7	0.0	\$0.0
76	Anaville Hills	D	IDP	IDP	Storage	Wall IR	2L 32W 48" T8 2x4 Recessed Fluorescent	2	59	146	0.1	16	No Change	2	59	146	0.1	16	\$21.0	0.0	\$0.0
77	Anaville Hills	D	1	1	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	6	74	1,771	0.5	624	No Change	6	74	1,771	0.5	624	\$159.7	0.0	\$0.0
78	Anaville Hills	D	1	1	Class (Elementary)	Wall IR	1L 20W 48" T8 1x4 Recessed Fluorescent	4	25	1,171	0.1	105	No Change	4	25	1,171	0.1	105	\$27.0	0.0	\$0.0
79	Anaville Hills	D	2	2	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	8	74	1,771	0.5	624	No Change	8	74	1,771	0.5	624	\$159.7	0.0	\$0.0
80	Anaville Hills	D	2	2	Class (Elementary)	Wall IR	1L 20W 48" T8 1x4 Recessed Fluorescent	4	25	1,171	0.1	105	No Change	4	25	1,171	0.1	105	\$27.0	0.0	\$0.0
81	Anaville Hills	D	3	3	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	8	74	1,771	0.5	624	No Change	8	74	1,771	0.5	624	\$159.7	0.0	\$0.0
82	Anaville Hills	D	3	3	Class (Elementary)	Wall IR	1L 20W 48" T8 1x4 Recessed Fluorescent	4	25	1,171	0.1	105	No Change	4	25	1,171	0.1	105	\$27.0	0.0	\$0.0
83	Anaville Hills	E	1	1	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	8	74	1,771	0.5	624	No Change	8	74	1,771	0.5	624	\$159.7	0.0	\$0.0
84	Anaville Hills	E	1	1	Class (Elementary)	Wall IR	1L 20W 48" T8 1x4 Recessed Fluorescent	4	25	1,171	0.1	105	No Change	4	25	1,171	0.1	105	\$27.0	0.0	\$0.0
85	Anaville Hills	E	2	2	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	8	74	1,771	0.5	624	No Change	8	74	1,771	0.5	624	\$159.7	0.0	\$0.0
86	Anaville Hills	E	2	2	Class (Elementary)	Wall IR	1L 20W 48" T8 1x4 Recessed Fluorescent	4	25	1,171	0.1	105	No Change	4	25	1,171	0.1	105	\$27.0	0.0	\$0.0
87	Anaville Hills	E	3	3	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	8	74	1,771	0.5	624	No Change	8	74	1,771	0.5	624	\$159.7	0.0	\$0.0
88	Anaville Hills	E	3	3	Class (Elementary)	Wall IR	1L 20W 48" T8 1x4 Recessed Fluorescent	4	25	1,171	0.1	105	No Change	4	25	1,171	0.1	105	\$27.0	0.0	\$0.0
89	Anaville Hills	E	4	4	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	6	74	1,771	0.5	624	No Change	6	74	1,771	0.5	624	\$159.7	0.0	\$0.0
90	Anaville Hills	E	4	4	Class (Elementary)	Wall IR	1L 20W 48" T8 1x4 Recessed Fluorescent	4	25	1,171	0.1	105	No Change	4	25	1,171	0.1	105	\$27.0	0.0	\$0.0
91	Anaville Hills	H	Girls	Girls	Restroom	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	2	74	2,013	0.1	206	No Change	2	74	2,013	0.1	206	\$45.7	0.0	\$0.0
92	Anaville Hills	H	Boys	Boys	Restroom	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	2	74	2,013	0.1	206	No Change	2	74	2,013	0.1	206	\$45.7	0.0	\$0.0
93	Anaville Hills	H	IDP	IDP	Storage	Wall IR	2L 32W 48" T8 2x4 Recessed Fluorescent	2	59	146	0.1	16	No Change	2	59	146	0.1	16	\$21.0	0.0	\$0.0
94	Anaville Hills	H	Staff	Staff	Restroom	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	1	74	1,610	0.1	107	No Change	1	74	1,610	0.1	107	\$22.9	0.0	\$0.0
95	Anaville Hills	T	3	3	Bar/Back	Wall IR	4L 20W 48" T8 2x4 Recessed Fluorescent	5	99	300	0.7	274	No Change	5	99	300	0.7	274	\$151.3	0.0	\$0.0
96	Anaville Hills	T	4	4	Lobby	Wall IR	4L 20W 48" T8 2x4 Recessed Fluorescent	8	99	2,013	0.7	1,452	No Change	8	99	2,013	0.7	1,452	\$270.4	0.0	\$0.0
97	Anaville Hills	Possible	MPR	MPR	Storage	Wall IR	2L 32W 48" T8 2x4 Recessed Fluorescent	16	50	2,013	0.7	1,452	No Change	16	50	2,013	0.7	1,452	\$270.4	0.0	\$0.0
98	Anaville Hills	T	1	1	Class (Elementary)	Wall IR	2L 32W 48" T8 2x4 Recessed Fluorescent	6	50	1,771	0.4	422	No Change	6	50	1,771	0.4	422	\$107.9	0.0	\$0.0
99	Anaville Hills	T	2	2	Class (Elementary)	Wall IR	2L 32W 48" T8 2x4 Recessed Fluorescent	6	50	1,771	0.4	422	No Change	6	50	1,771	0.4	422	\$107.9	0.0	\$0.0
100	Anaville Hills	B	1	1	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	11	74	1,771	0.7	658	No Change	11	74	1,771	0.7	658	\$219.5	0.0	\$0.0
101	Anaville Hills	B	Unsure	Unsure	Storage	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	1	74	1,610	0.1	107	No Change	1	74	1,610	0.1	107	\$22.9	0.0	\$0.0
102	Anaville Hills	B	2	2	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	6	74	1,771	0.5	624	No Change	6	74	1,771	0.5	624	\$159.7	0.0	\$0.0
103	Anaville Hills	B	Kd's	Kd's	Restroom	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	1	74	2,013	0.1	134	No Change	1	74	2,013	0.1	134	\$25.5	0.0	\$0.0
104	Anaville Hills	B	Staff	Staff	Restroom	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	1	74	1,610	0.1	107	No Change	1	74	1,610	0.1	107	\$22.9	0.0	\$0.0
105	Anaville Hills	B	Storage	Storage	Storage	Wall IR	2L 32W 48" T8 2x4 Recessed Fluorescent	1	59	146	0.1	8	No Change	1	59	146	0.1	8	\$10.5	0.0	\$0.0
106	Anaville Hills	B	Storage	Storage	Storage	Wall IR	2L 32W 48" T8 2x4 Recessed Fluorescent	1	59	146	0.1	8	No Change	1	59	146	0.1	8	\$10.5	0.0	\$0.0
107	Anaville Hills	C	1	1	Class (Elementary)	Wall IR	3L 20W 48" T8 2x4 Recessed Fluorescent	11	74	1,771	0.7	658	No Change	11	74	1,771	0.7	658	\$219.5	0.0	\$0.0
108	Anaville Hills	C	1	1	Class (Elementary)	Wall IR	1L 20W 48" T8 1x4 Recessed Fluorescent	4	25	1,171	0.1	105	No Change	4	25	1,171	0.1	105	\$27.0	0.0	\$0.0

LIGHTING ANALYSIS

Westside Union School District

Anaverville Hills

#	Facility	Replacement Type		Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Lighting		Sensor		Total Energy			Maint		
		Bldg	Bldg Type																		KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	Cost Savings		
109	Anaverville Hills	C		Unsex	Restroom	Ceiling IR	3L 28W 48" T8 2x4 Recessed Prismatic	1	74	1,810	0.1	107	\$22.9	No Change	1	74	1,810	0.1	107	\$22.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
110	Anaverville Hills	C		2	Class (Elementary)	Ceiling Dual	3L 28W 48" T8 2x4 Recessed Opaque	11	74	1,171	0.7	858	\$219.5	No Change	11	74	1,171	0.7	858	\$219.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
111	Anaverville Hills	C		2	Class (Elementary)	Ceiling Dual	1L 28W 48" T8 1x4 Recessed Opaque	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
112	Anaverville Hills	C		Unsex	Restroom	Ceiling IR	3L 28W 48" T8 2x4 Recessed Prismatic	1	74	1,810	0.1	107	\$22.9	No Change	1	74	1,810	0.1	107	\$22.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
113	Anaverville Hills	B		1	Class (Elementary)	Ceiling Dual	1L 28W 48" T8 1x4 Recessed Opaque	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
114	Anaverville Hills	B		2	Class (Elementary)	Ceiling Dual	1L 28W 48" T8 1x4 Recessed Opaque	4	25	1,171	0.1	105	\$27.0	No Change	4	25	1,171	0.1	105	\$27.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
115	Anaverville Hills	Main		Campus	Exit		1L 4W LED N/A Exit N/A	12	4	8,736	0.0	377	\$45.5	No Change	12	4	8,736	0.0	377	\$45.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
116	Anaverville Hills	Main		Campus	Exit		1L 2W LED N/A Exit N/A	21	2	8,736	0.0	330	\$38.8	No Change	21	2	8,736	0.0	330	\$38.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
117	Anaverville Hills	Main		Campus	Exit		1L 10W LED N/A Exit N/A	6	10	8,736	0.1	472	\$55.9	No Change	6	10	8,736	0.1	472	\$55.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
118	Anaverville Hills	Exterior		Campus	Exterior		1L 40W LED N/A Shoebox Clear	4	40	4,368	0.1	629	\$62.7	No Change	4	40	4,368	0.1	629	\$62.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
119	Anaverville Hills	Exterior		Campus	Exterior		2L 40W LED N/A Shoebox Clear	4	80	4,368	0.3	1,258	\$125.4	No Change	4	80	4,368	0.3	1,258	\$125.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	
120	Anaverville Hills	Exterior		Campus	Exterior		1L 200W Induction N/A Flood Clear	2	200	4,368	0.4	1,572	\$155.7	1L 80W LED Flood	2	80	4,368	0.1	629	\$62.7	0.2	943	\$94.0	0.0	0	\$0.0	0.2	943	\$94.0	\$38.8
121	Anaverville Hills	Exterior		Campus	Exterior		1L 32W CFL Tri N/A Wall Pack Opaque	84	32	4,368	2.4	10,587	\$1,053.3	1L 18W LED Wall Pack	84	18	4,368	1.4	6,274	\$625.4	1.0	4,293	\$427.9	0.0	0	\$0.0	1.0	4,293	\$427.9	\$640.1
122	Anaverville Hills	Exterior		Campus	Exterior		1L 13W CFL N/A Wall Pack Prismatic	6	13	4,368	0.1	307	\$30.6	1L 8W LED Wall Pack	6	8	4,368	0.0	188	\$18.8	0.0	118	\$11.8	0.0	0	\$0.0	0.0	118	\$11.8	\$32.5
123	Anaverville Hills	Exterior		Campus	Exterior		1L 13W CFL 6" Can Recessed Prismatic	5	13	4,368	0.1	256	\$25.5	1L 8W LED Recessed Can Retrofit Kit	5	8	4,368	0.0	157	\$15.7	0.0	88	\$8.8	0.0	0	\$0.0	0.0	88	\$8.8	\$15.6
Total	x					11		783			43.00	72,698	\$14,967		783		43	66,259	\$14,325	2	5,453	\$544	0	0	\$0	2	5,453	\$544	\$728	

LIGHTING ANALYSIS

Westside Union School District

Cottonwood

Replacement Type: LED Survey														Proposed														Lighting				Sensor				Total Energy				Main Cost	
#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings									
1	Cottonwood	Portable		38	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
2	Cottonwood	Portable		37	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
3	Cottonwood	Portable		36	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
4	Cottonwood	Portable		35	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
5	Cottonwood	Portable		34	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
6	Cottonwood	Portable		33	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
7	Cottonwood	Portable		32	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
8	Cottonwood	Portable		30	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,664	0.5	791	\$154.0	No Change	12	50	1,171	0.5	632	\$135.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
9	Cottonwood	Portable		29	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,664	0.5	791	\$154.0	No Change	12	50	1,171	0.5	632	\$135.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
10	Cottonwood	Portable		28	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,664	0.5	791	\$154.0	No Change	12	50	1,171	0.5	632	\$135.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
11	Cottonwood	Portable		27	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,664	0.5	791	\$154.0	No Change	12	50	1,171	0.5	632	\$135.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
12	Cottonwood	Portable		26	Conference	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	4	50	1,250	0.2	225	\$46.8	2L 15W 48" Tube LED, Direct Wire	4	30	1,000	0.1	108	\$25.0	0.1	60	\$18.7	0.0	27	\$3.1	0.1	117	\$21.9	\$11.5											
13	Cottonwood	Admin	Copy room	Office (Open)	Wall IR		2L 28W 48" T8 2x4 Recessed Prismatic	8	50	2,200	0.4	792	\$133.6	2L 15W 48" Tube LED, Direct Wire	8	30	2,200	0.2	475	\$60.1	0.1	317	\$53.4	0.0	0	\$0.0	0.1	317	\$53.4	\$23.0											
14	Cottonwood	Admin	Copy room	Storage	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	183	0.0	8	\$6.1	2L 15W 48" Tube LED, Direct Wire	1	30	146	0.0	4	\$3.6	0.0	3	\$2.4	0.0	1	\$0.1	0.0	4	\$2.6	\$2.9											
15	Cottonwood	Admin	Network	Storage	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	183	0.0	8	\$6.1	2L 15W 48" Tube LED, Direct Wire	1	30	146	0.0	4	\$3.6	0.0	3	\$2.4	0.0	1	\$0.1	0.0	4	\$2.6	\$2.9											
16	Cottonwood	Admin	Men's	Restroom	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	91	\$15.7	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$6.2	0.0	36	\$6.3	0.0	11	\$1.3	0.0	47	\$7.6	\$2.9											
17	Cottonwood	Admin	Women's	Restroom	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	91	\$15.7	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$6.2	0.0	36	\$6.3	0.0	11	\$1.3	0.0	47	\$7.6	\$2.9											
18	Cottonwood	Admin	Main	Lobby	Wall IR		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	6	50	1,610	0.3	435	\$61.6	2L 15W 48" Tube LED, Direct Wire	6	30	1,610	0.2	261	\$49.0	0.1	174	\$32.6	0.0	0	\$0.0	0.1	174	\$32.6	\$17.2											
19	Cottonwood	Admin	Main	Storage	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	183	0.1	16	\$12.2	2L 15W 48" Tube LED, Direct Wire	2	30	146	0.1	6	\$7.1	0.0	7	\$4.9	0.0	2	\$0.2	0.0	8	\$5.1	\$5.7											
20	Cottonwood	Admin	Nurse	Office (Private)	Wall IR		2L 28W 48" T8 2x4 Recessed Prismatic	4	50	2,200	0.2	398	\$66.8	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$40.1	0.1	158	\$26.7	0.0	0	\$0.0	0.1	158	\$26.7	\$11.5											
21	Cottonwood	Admin	Nurse	Restroom	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	91	\$15.7	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$6.2	0.0	36	\$6.3	0.0	11	\$1.3	0.0	47	\$7.6	\$2.8											
22	Cottonwood	Admin	Principal	Office (Private)	Wall IR		2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$33.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.0	0.0	79	\$13.4	0.0	0	\$0.0	0.0	79	\$13.4	\$5.7											
23	Cottonwood	Admin	Main	Office (Private)	Wall IR		2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$33.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.0	0.0	79	\$13.4	0.0	0	\$0.0	0.0	79	\$13.4	\$5.7											
24	Cottonwood	Cafeteria	Lunch Room	Dining	Add Ceiling Dual		2L 28W 48" T8 2x4 Recessed Prismatic	37	50	2,013	1.7	3,352	\$581.4	No Change	37	50	1,610	1.7	2,581	\$503.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
25	Cottonwood	Cafeteria	Women's	Restroom	Add Ceiling Dual		2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,013	0.0	91	\$15.7	No Change	1	50	1,610	0.0	72	\$13.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
26	Cottonwood	Cafeteria	Men's	Restroom	Add Ceiling Dual		2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,013	0.0	91	\$15.7	No Change	1	50	1,610	0.0	72	\$13.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
27	Cottonwood	Cafeteria	Custodial	Storage	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
28	Cottonwood	Cafeteria	Kitchen	Kitchen	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	6	50	2,013	0.4	725	\$125.7	No Change	6	50	1,610	0.4	580	\$108.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
29	Cottonwood	Cafeteria	Storage	Storage	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	183	0.1	16	\$12.2	No Change	2	50	146	0.1	13	\$11.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
30	Cottonwood	Cafeteria	Storage	Storage	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
31	Cottonwood	Portable		1	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	13	50	1,171	0.6	685	\$146.9	No Change	13	50	1,171	0.6	685	\$146.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
32	Cottonwood	Portable		Boy's	Restroom	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,013	0.0	91	\$15.7	No Change	1	50	1,610	0.0	72	\$13.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
33	Cottonwood	Portable		Girls	Restroom	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,013	0.0	91	\$15.7	No Change	1	50	1,610	0.0	72	\$13.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
34	Cottonwood	Portable		2	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	13	50	1,171	0.6	685	\$146.9	No Change	13	50	1,171	0.6	685	\$146.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
35	Cottonwood	Portable		Boy's	Restroom	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,013	0.0	91	\$15.7	No Change	1	50	1,610	0.0	72	\$13.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
36	Cottonwood	Portable		Girls	Restroom	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,013	0.0	91	\$15.7	No Change	1	50	1,610	0.0	72	\$13.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									

LIGHTING ANALYSIS

Westside Union School District

Cottonwood

Replacement Type - LED Survey														Proposed														Total Energy										Maint	
#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Lighting KW Savings	KWH Savings	Cost Savings	Sensor KW Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings									
73	Cottonwood	Portable		Boys	Restroom	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,013	0.1	181	\$31.4	No Change	2	50	1,610	0.1	145	\$27.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
74	Cottonwood	Portable		38	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,484	0.9	1,316	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
75	Cottonwood	Portable		40	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,484	0.9	1,316	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
76	Cottonwood	Portable		41	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,484	0.9	1,316	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
77	Cottonwood	Portable		42	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,484	0.9	1,316	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
78	Cottonwood	Portable		43	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,484	0.9	1,316	\$256.7	No Change	20	50	1,171	0.9	1,054	\$225.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
79	Cottonwood	Main		Campus	Exit		1L 3W LED N/A Exit N/A	3	3	8,736	0.0	71	\$9.2	No Change	3	3	8,736	0.0	71	\$9.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
80	Cottonwood	Main		Campus	Exit		1L 4W LED N/A Exit N/A	1	4	8,736	0.0	31	\$4.1	No Change	1	4	8,736	0.0	31	\$4.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
81	Cottonwood	Exterior		Campus	Exterior		4L 24W 22" T5 N/A Shoebox Clear	13	104	4,368	1.2	5,315	\$619.7	4L 11W 22" Tubes LED, Direct Wire	13	44	4,368	0.5	2,249	\$262.2	0.7	3,068	\$357.5	0.0	0	\$0.0	0.7	3,066	\$357.5	\$50.3									
82	Cottonwood	Exterior		Campus	Exterior		1L 28W CF Wall Mount Opaque	79	26	4,368	1.8	8,075	\$941.4	1L 17W LED, Screw-In	79	17	4,368	1.2	5,280	\$615.5	0.8	2,795	\$325.9	0.0	0	\$0.0	0.8	2,795	\$325.9	\$81.4									
Total		x				48		755			30.00	55,703	\$8,892		755		30	43,493	\$8,400	2	6,881	\$871	0	64	\$8	2	6,945	\$878	\$227										

LIGHTING ANALYSIS

Westside Union School District

Del Sur

#	Facility	Room	Bldg	Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	MWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	MWH	Cost	Lighting kWh Savings	Cost Savings	Total Energy kWh Savings	Cost Savings	Net Cost Savings
1	Del Sur	4	K	K	4	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2nd Recessed Plumatic	16	50	1,171	0.7	840	\$183.4	No Change	16	50	1,171	0.7	840	\$183.4	0.0	0	\$0.0	0	\$0.0
2	Del Sur	4	K	K	4	Restroom	Ceiling	2L 28W 48" T8 1st Ceiling Mount Plumatic	1	50	2,013	0.0	91	\$16.0	No Change	1	50	1,850	0.0	72	\$13.8	0.0	0	\$0.0	0	\$0.0
3	Del Sur	4	K	K	4	Storage	Ceiling	2L 28W 48" T8 1st Ceiling Mount MA	1	50	183	0.0	9	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0	\$0.0
4	Del Sur	4	K	K	4	Storage	Ceiling	2L 28W 48" T8 1st Ceiling Mount MA	1	50	183	0.0	9	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0	\$0.0
5	Del Sur	3	K	K	3	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2nd Recessed Plumatic	16	50	1,171	0.7	840	\$183.4	No Change	16	50	1,171	0.7	840	\$183.4	0.0	0	\$0.0	0	\$0.0
6	Del Sur	3	K	K	3	Restroom	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	1	50	2,013	0.0	91	\$16.0	No Change	1	50	1,850	0.0	72	\$13.8	0.0	0	\$0.0	0	\$0.0
7	Del Sur	3	K	K	3	Storage	Ceiling	2L 28W 48" T8 1st Ceiling Mount MA	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0	\$0.0
8	Del Sur	K	K	K	Main	Storage	Ceiling	2L 28W 48" T8 1st Plumatic MA	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0	\$0.0
9	Del Sur	K	K	K	Main	Storage	Ceiling	2L 28W 48" T8 1st Ceiling Mount MA	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0	\$0.0
10	Del Sur	2	Man	Man	2	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
11	Del Sur	2	Man	Man	2	Restroom	Wall IR	2L 28W 48" T8 1st Ceiling Mount Plumatic	2	50	5,610	0.1	145	\$27.7	No Change	2	50	1,850	0.1	145	\$27.7	0.0	0	\$0.0	0	\$0.0
12	Del Sur	2	Man	Man	2	Storage	Wall IR	2L 28W 48" T8 1st Ceiling Mount Plumatic	2	50	146	0.1	13	\$11.8	No Change	2	50	146	0.1	13	\$11.8	0.0	0	\$0.0	0	\$0.0
13	Del Sur	2	Man	Man	2	Restroom	Wall IR	2L 28W 48" T8 1st Ceiling Mount Plumatic	2	50	1,850	0.1	145	\$27.7	No Change	2	50	1,850	0.1	145	\$27.7	0.0	0	\$0.0	0	\$0.0
14	Del Sur	1	Man	Man	1	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
15	Del Sur	5	Man	Man	5	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2nd Recessed Plumatic	8	50	1,171	0.4	422	\$81.7	No Change	8	50	1,171	0.4	422	\$81.7	0.0	0	\$0.0	0	\$0.0
16	Del Sur	5	Man	Man	5	Class (Elementary)	Ceiling IR	2L 28W 48" T8 1st Recessed Plumatic	1	50	1,171	0.0	51	\$11.5	No Change	1	50	1,171	0.0	51	\$11.5	0.0	0	\$0.0	0	\$0.0
17	Del Sur	5	Man	Man	5	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2nd Recessed Plumatic	1	33	2,250	0.0	82	\$13.2	No Change	1	33	2,250	0.0	82	\$13.2	0.0	0	\$0.0	0	\$0.0
18	Del Sur	6	Man	Man	6	Class (Elementary)	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
19	Del Sur	7	Man	Man	7	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
20	Del Sur	8	Man	Man	8	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
21	Del Sur	12	Man	Man	12	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
22	Del Sur	11	Man	Man	11	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
23	Del Sur	10	Man	Man	10	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
24	Del Sur	8	Man	Man	8	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
25	Del Sur	13	Man	Man	13	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
26	Del Sur	14	Man	Man	14	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
27	Del Sur	15	Man	Man	15	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
28	Del Sur	16	Man	Man	16	Class (Elementary)	Wall IR	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
29	Del Sur	20	Portable	Portable	20	Class (Elementary)	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	10	50	1,171	0.5	527	\$114.8	No Change	10	50	1,171	0.5	527	\$114.8	0.0	0	\$0.0	0	\$0.0
30	Del Sur	19	Portable	Portable	19	Class (Elementary)	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	10	50	1,171	0.5	527	\$114.8	No Change	10	50	1,171	0.5	527	\$114.8	0.0	0	\$0.0	0	\$0.0
31	Del Sur	18	Portable	Portable	18	Class (Elementary)	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
32	Del Sur	17	Portable	Portable	17	Class (Elementary)	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
33	Del Sur	33	Portable	Portable	33	Class (Elementary)	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	10	50	1,171	0.5	527	\$114.8	No Change	10	50	1,171	0.5	527	\$114.8	0.0	0	\$0.0	0	\$0.0
34	Del Sur	29	Portable	Portable	29	Class (Elementary)	Ceiling	2L 28W 48" T8 1st Ceiling Mount Plumatic	20	50	1,484	0.9	1,318	\$262.7	No Change	20	50	1,171	0.9	1,054	\$228.2	0.0	0	\$0.0	0	\$0.0
35	Del Sur	34	Portable	Portable	34	Class (Elementary)	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0
36	Del Sur	35	Portable	Portable	35	Class (Elementary)	Ceiling	2L 28W 48" T8 2nd Recessed Plumatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0	\$0.0

LIGHTING ANALYSIS
Waste-to-Energy School District

#	Facility	Bldg	Bldg Type	Room	Area Type	Source Type	Full Description	Fixture Qty	Watt/Fixture	Hours	KW	WHR	Cost	Proposed Fixture Description	Fixture Qty	Watt/Fixture	Hours	KW	WHR	Cost	Lighting		Sensor		Total Energy		Waste				
																					Annual Savings	Cost Savings	Annual Savings	Cost Savings	Annual Savings	Cost Savings	Annual Savings	Cost Savings			
37	Del Sur	Man	Office	Reception	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
38	Del Sur	Man	Bookroom	Bookroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	163	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
39	Del Sur	Man	Boy's	Recreation	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
40	Del Sur	Man	Classroom	Classroom	Adm	Adm	4, 20W 48" T8 34" Ceiling Mount Fluorescent	4	96	2,350	0.4	860	\$156.1	No Change	4	96	2,200	0.4	78	\$134.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
41	Del Sur	Man	Classroom	Classroom	Adm	Adm	1, 20W CF Single VNA Ceiling Mount VNA	1	23	2,350	0.0	57	\$8.2	No Change	1	23	2,200	0.0	46	\$7.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
42	Del Sur	Man	Office	Reception	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
43	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	163	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
44	Del Sur	Man	Classroom	Classroom	Adm	Adm	1, 20W CF Single VNA Ceiling Mount VNA	1	23	2,013	0.0	42	\$7.4	No Change	1	23	1,610	0.0	20	\$6.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
45	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
46	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	2	50	163	0.1	16	\$12.3	No Change	2	50	146	0.1	13	\$11.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
47	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	163	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
48	Del Sur	Man	Classroom	Classroom	Adm	Adm	1, 20W CF Single VNA Ceiling Mount VNA	2	23	163	0.0	6	\$6.6	No Change	2	23	146	0.0	6	\$5.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
49	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
50	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	163	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
51	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
52	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	6	50	1,610	0.4	360	\$115.6	No Change	6	50	1,610	0.2	246	\$66.4	0.1	222	\$44.2	0.0	0	\$0.0	0.1	232	\$44.2	\$2.0	
53	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	3	50	2,200	0.1	287	\$51.0	No Change	3	50	2,200	0.1	119	\$20.6	0.1	119	\$20.4	0.0	0	\$0.0	0.1	119	\$20.4	\$5.6	
54	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	42	\$8.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$1.7
55	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	2	50	2,200	0.1	188	\$34.0	No Change	2	50	2,200	0.1	119	\$20.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$5.7
56	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	2	50	2,200	0.1	198	\$34.0	No Change	2	50	2,200	0.1	119	\$20.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$1.6
57	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	50	163	0.0	8	\$6.1	No Change	1	50	146	0.0	4	\$3.8	0.0	0	\$0.0	0.0	1	\$0.1	0.2	4	\$2.8	\$2.9	
58	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	2	50	2,200	0.1	198	\$34.0	No Change	2	50	2,200	0.1	119	\$20.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$1.6
59	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	2	50	2,200	0.1	198	\$34.0	No Change	2	50	2,200	0.1	119	\$20.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$5.7
60	Del Sur	Man	Classroom	Classroom	Adm	Adm	4, 20W 48" T8 34" Ceiling Mount Fluorescent	1	96	163	0.1	16	\$12.2	No Change	1	60	163	0.1	10	\$7.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.6
61	Del Sur	Man	Classroom	Classroom	Adm	Adm	4, 20W 48" T8 34" Ceiling Mount Fluorescent	1	96	163	0.1	16	\$12.2	No Change	1	60	163	0.1	10	\$7.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.6
62	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	2	50	2,013	0.1	181	\$32.0	No Change	2	50	1,610	0.1	87	\$16.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.3
63	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	2	50	2,013	0.1	181	\$32.0	No Change	2	50	1,610	0.1	87	\$16.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.3
64	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	5	50	2,013	0.2	463	\$80.0	No Change	5	50	1,610	0.1	217	\$41.5	0.1	181	\$32.0	0.0	54	\$8.5	0.1	206	\$38.5	\$16.4	
65	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	1	23	163	0.0	4	\$2.6	No Change	1	17	146	0.0	2	\$2.0	0.0	1	\$0.7	0.0	1	\$0.1	0.0	2	\$0.8	\$1.0	
66	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	7	50	2,200	0.3	663	\$116.0	No Change	7	50	2,200	0.2	446	\$71.4	0.1	277	\$47.6	0.0	0	\$0.0	0.1	277	\$47.6	\$20.1	
67	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	21	50	1,171	0.8	1,107	\$240.7	No Change	21	50	1,171	0.8	1,107	\$240.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.0
68	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	3	50	2,200	0.1	297	\$51.0	No Change	3	50	2,200	0.1	297	\$51.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.0
69	Del Sur	Man	Classroom	Classroom	Adm	Adm	4, 20W 48" T8 34" Ceiling Mount Fluorescent	16	96	2,013	1.4	2,470	\$506.7	No Change	16	96	1,610	1.4	2,286	\$408.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.0
70	Del Sur	Man	Classroom	Classroom	Adm	Adm	1, 20W CF Single VNA Ceiling Mount Fluorescent	3	23	2,013	0.1	125	\$22.1	No Change	3	23	1,610	0.1	100	\$18.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.0
71	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	4	50	2,013	0.2	292	\$54.0	No Change	4	50	1,610	0.2	280	\$53.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.0
72	Del Sur	Man	Classroom	Classroom	Adm	Adm	2, 20W 48" T8 34" Ceiling Mount Fluorescent	8	50	266	0.4	132	\$57.0	No Change	8	50	266	0.4	132	\$57.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	\$4.0

LIGHTING ANALYSIS

Westside Union School District

Del Sur

Replacement Type LED Survey														Proposed														Lighting				Sensor				Total Energy				Maint	
#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings									
73	Del Sur	Cafeteria		Stage	Misc	N/A	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	3	50	366	0.1	49	\$21.4	No Change	3	50	366	0.1	49	\$21.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
74	Del Sur	Cafeteria		Stage	Misc	N/A	1L 23W CF Single N/A Recessed Prismatic	8	23	368	0.2	68	\$29.5	No Change	8	23	368	0.2	68	\$29.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
75	Del Sur	Cafeteria		Stage	Misc	Add Ceiling Dual	2L 28W 48" T8 2x4 Wall Mount Prismatic	2	50	388	0.1	33	\$14.2	No Change	2	50	293	0.1	26	\$13.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
76	Del Sur	Cafeteria		Stage	Halfway	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
77	Del Sur	Cafeteria		Girls Restroom	Wall IR		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	1,610	0.0	72	\$13.8	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
78	Del Sur	Cafeteria		Boys Restroom	Wall IR		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	1,610	0.0	72	\$13.8	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
79	Del Sur	Cafeteria		Entry Lobby	Lobby	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
80	Del Sur	Cafeteria		Lounge	Break	Wall IR	2L 28W 48" T8 2x4 Ceiling Mount Opaque	4	50	400	0.2	72	\$28.2	No Change	4	50	400	0.2	72	\$29.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
81	Del Sur	Cafeteria		Main	Kitchen	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	8	50	1,610	0.4	580	\$110.6	No Change	8	50	1,610	0.4	580	\$110.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
82	Del Sur	Cafeteria		Kitchen	Office (Private)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,750	0.0	124	\$20.0	No Change	1	50	2,200	0.0	99	\$17.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
83	Del Sur	Cafeteria		Kitchen	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
84	Del Sur	Cafeteria		Kitchen	Kitchen	Ceiling IR	3L 28W 48" T8 2x4 Wall Mount Prismatic	1	50	1,610	0.0	72	\$13.8	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
85	Del Sur	Cafeteria		Kitchen	Kitchen	N/A	1L 23W CF Single N/A Recessed Prismatic	2	23	2,013	0.0	83	\$14.7	No Change	2	23	2,013	0.0	83	\$14.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
86	Del Sur	Cafeteria		Kitchen	Halfway	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
87	Del Sur	Cafeteria		Kitchen	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	2	50	183	0.1	16	\$12.3	No Change	2	50	146	0.1	13	\$11.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
88	Del Sur	Cafeteria		Kitchen	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	81	\$16.0	No Change	1	50	1,610	0.0	72	\$13.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
89	Del Sur	Main		30	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	18	50	1,171	0.8	849	\$206.3	No Change	18	50	1,171	0.8	849	\$206.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
90	Del Sur	Main		Girls Restroom	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,013	0.1	181	\$32.0	No Change	2	50	1,610	0.1	145	\$27.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
91	Del Sur	Main		Custodial	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
92	Del Sur	Main		Boys Restroom	Add Ceiling Dual		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,013	0.1	181	\$32.0	No Change	2	50	1,610	0.1	145	\$27.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
93	Del Sur	Main		21	Class (Elementary)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
94	Del Sur	Main		22	Class (Elementary)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
95	Del Sur	Main		23	Class (Elementary)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$137.5	No Change	12	50	1,171	0.5	632	\$137.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
96	Del Sur	Main		24	Class (Elementary)	Wall IR	2L 28W 48" T8 1x4 Pendant Prismatic	19	50	1,171	0.9	1,001	\$217.7	No Change	19	50	1,171	0.9	1,001	\$217.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
97	Del Sur	Gymnasium		Gym	Storage	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	146	0.1	13	\$11.8	No Change	2	50	146	0.1	13	\$11.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
98	Del Sur	Gymnasium		Exercise Room	Gym	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	21	50	1,610	0.9	1,522	\$290.3	No Change	21	50	1,610	0.9	1,522	\$290.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
99	Del Sur	Gymnasium		Main	Gym	Add Ceiling Dual	6L 28W 48" T8 2x4 Pendant N/A	35	148	2,013	4.7	9,365	\$1,858.9	No Change	35	148	1,610	4.7	7,508	\$1,432.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
100	Del Sur	Gymnasium		Main	Gym	Add Ceiling Dual	2L 28W 48" T8 1x4 Wall Mount Prismatic	8	50	2,013	0.4	725	\$127.9	No Change	8	50	1,610	0.4	580	\$110.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
101	Del Sur	Gymnasium		Boys Restroom	Wall IR		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	3	50	1,610	0.1	217	\$41.5	No Change	3	50	1,610	0.1	217	\$41.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
102	Del Sur	Gymnasium		Girls Restroom	Wall IR		2L 28W 48" T8 1x4 Ceiling Mount Prismatic	3	50	1,610	0.1	217	\$41.5	No Change	3	50	1,610	0.1	217	\$41.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
103	Del Sur	Gymnasium		Custodian	Storage	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	146	0.1	13	\$11.8	No Change	2	50	146	0.1	13	\$11.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
104	Del Sur	Gymnasium		Stage	Misc	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount N/A	4	50	293	0.2	53	\$26.8	No Change	4	50	293	0.2	53	\$26.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
105	Del Sur	Gymnasium		Stage	Halfway	N/A	1L 18W CF Single N/A Wall Mount N/A	2	18	2,013	0.0	65	\$11.5	No Change	2	18	2,013	0.0	65	\$11.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
106	Del Sur	Main		Boys Locker Room	Locker	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	10	50	2,013	0.5	806	\$159.9	No Change	10	50	1,610	0.5	725	\$138.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
107	Del Sur	Main		Boys Locker Room	Locker	Add Ceiling Dual	1L 23W CF Single N/A Ceiling Mount Opaque	3	23	2,013	0.1	125	\$22.1	No Change	3	23	1,610	0.1	100	\$19.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
108	Del Sur	Main		Boys Locker Room	Office (Private)	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$34.0	No Change	2	50	2,200	0.1	198	\$34.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									

LIGHTING ANALYSIS

Westside Union School District

Del Sur

#	Facility	Replacement Type LED Survey			Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Lighting				Sensor				Total Energy				Maint Cost Savings
		KW Savings	KWH Savings	Cost Savings																		KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings				
109	Del Sur	Main		Boys Locker Room	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	183	0.1	16	\$12.3	No Change	2	50	146	0.1	13	\$11.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
110	Del Sur	Main		Boys Locker Room	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
111	Del Sur	Main		Girls Locker Room	Locker	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	10	50	2,013	0.5	906	\$159.9	No Change	10	50	1,610	0.5	725	\$136.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
112	Del Sur	Main		Girls Locker Room	Locker	Add Ceiling Dual	1L 23W CF Single N/A Ceiling Mount Opaque	3	23	2,013	0.1	125	\$22.1	No Change	3	23	1,610	0.1	100	\$18.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
113	Del Sur	Main		Girls Locker Room	Office (Private)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,750	0.1	240	\$38.9	No Change	2	50	2,200	0.1	188	\$34.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
114	Del Sur	Main		Girls Locker Room	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	183	0.0	8	\$6.1	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
115	Del Sur	Gymnasium		Elect/Mech	Elect/Mech	Wall IR	2L 28W 48" T8 1x4 Wall Mount N/A	1	50	146	0.0	7	\$5.9	No Change	1	50	146	0.0	7	\$5.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
116	Del Sur	Gymnasium		Stage	Class (Elementary)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	23	50	1,464	1.0	1,515	\$289.9	No Change	23	50	1,171	1.0	1,212	\$263.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
117	Del Sur	Gymnasium		Stage	Class (Elementary)	Add Ceiling Dual	1L 19W LED PAR 6" Can Recessed Clear	7	19	1,464	0.1	175	\$34.7	No Change	7	19	1,171	0.1	140	\$30.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
118	Del Sur	Gymnasium		Stage	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	183	0.1	16	\$12.3	No Change	2	50	146	0.1	13	\$11.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
119	Del Sur	Gymnasium		Stage	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	183	0.1	16	\$12.3	No Change	2	50	146	0.1	13	\$11.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
120	Del Sur	Gymnasium		Stage	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	183	0.1	16	\$12.3	No Change	2	50	146	0.1	13	\$11.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
121	Del Sur	Exterior		Campus	Exterior		3L 24W 22" T5 N/A Shoebox Clear	9	79	4,368	0.6	2,795	\$334.5	3L 11W 22" Tube LED, Direct Wire	9	33	4,368	0.3	1,168	\$139.7	0.6	1,628	\$194.8	0.0	0	\$0.0	0.4	1,628	\$194.8	\$34.7				
122	Del Sur	Exterior		Campus	Exterior		1L 100W Halogen N/A Wall Pack Clear	3	100	4,368	0.3	1,179	\$141.1	1L 34W LED Wall Pack w/ Motion Sensor	3	34	4,368	0.1	401	\$48.0	0.2	778	\$93.2	0.0	0	\$0.0	0.2	778	\$93.2	\$42.6				
123	Del Sur	Exterior		Campus	Exterior		1L 100W Halogen N/A Flood Clear	1	100	4,368	0.1	303	\$47.0	1L 26W LED Flood	1	26	4,368	0.0	102	\$12.2	0.1	291	\$34.8	0.0	0	\$0.0	0.1	291	\$34.8	\$9.2				
124	Del Sur	Exterior		Campus	Exterior		1L 13W CF Single N/A Wall Pack Opaque	55	13	4,368	0.6	2,611	\$336.4	1L 8W LED Wall Pack	55	8	4,368	0.4	1,730	\$207.0	0.2	1,061	\$128.4	0.0	0	\$0.0	0.2	1,061	\$128.4	\$28.1				
125	Del Sur	Exterior		Campus	Exterior		1L 100W MH N/A Wall Pack Prismatic	2	128	4,368	0.2	1,006	\$120.4	1L 34W LED Wall Pack w/ Motion Sensor	2	34	4,368	0.1	267	\$32.0	0.2	739	\$88.5	0.0	0	\$0.0	0.2	739	\$88.5	\$28.4				
126	Del Sur	Exterior		Campus	Exterior		2L 26W CF Twin N/A Wall Pack Clear	5	52	4,368	0.2	1,022	\$122.3	1L 34W LED Wall Pack w/ Motion Sensor	5	34	4,368	0.2	686	\$80.0	0.1	354	\$42.3	0.0	0	\$0.0	0.1	354	\$42.3	\$71.0				
127	Del Sur	Exterior		Campus	Exterior		2L 24W 22" T5 N/A Wall Mount Prismatic	3	52	4,368	0.1	613	\$73.4	2L 11W 22" Tube LED, Direct Wire	3	22	4,368	0.1	259	\$31.1	0.1	354	\$42.3	0.0	0	\$0.0	0.1	354	\$42.3	\$5.7				
128	Del Sur	Exterior		Campus	Exterior		1L 8W LED Wall Mount	1	9	4,368	0.0	35	\$4.2	No Change	1	9	4,368	0.0	35	\$4.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0		
129	Del Sur	Exterior		Campus	Exterior		1L 75W Incand N/A Ceiling Mount Clear	2	75	4,368	0.1	590	\$70.6	1L 12W LED Ceiling Mount	2	12	4,368	0.0	94	\$11.3	0.1	495	\$59.3	0.0	0	\$0.0	0.1	495	\$59.3	\$6.2				
130	Del Sur	Exterior		Campus	Exterior		1L 100W HPS N/A Flood Clear	1	138	4,368	0.1	543	\$64.9	1L 28W LED Flood	1	28	4,368	0.0	102	\$12.2	0.1	440	\$52.7	0.0	0	\$0.0	0.1	440	\$52.7	\$6.2				
131	Del Sur	Exterior		Campus	Exterior		2L 26W CF Tn N/A Ceiling Mount Opaque	2	52	4,368	0.1	409	\$49.9	1L 20W LED Ceiling Mount	2	20	4,368	0.0	157	\$18.6	0.1	252	\$30.1	0.0	0	\$0.0	0.1	252	\$30.1	\$15.2				
132	Del Sur	Exterior		Campus	Exterior		2L 25W CF Tn N/A Wall Pack Prismatic	17	52	4,368	0.6	3,475	\$415.9	1L 34W LED Wall Pack w/ Motion Sensor	17	34	4,368	0.5	2,272	\$271.9	0.3	1,203	\$144.0	0.0	0	\$0.0	0.3	1,203	\$144.0	\$241.4				
133	Del Sur	Exterior		Campus	Exterior		2L 26W CF Tn N/A Wall Mount Clear	4	52	4,368	0.2	816	\$97.9	1L 34W LED Wall Pack w/ Motion Sensor	4	34	4,368	0.1	535	\$64.0	0.1	283	\$33.9	0.0	0	\$0.0	0.1	283	\$33.9	\$56.6				
134	Del Sur	Exterior		Campus	Exterior		1L 13W CF Single N/A Wall Mount N/A	2	13	4,368	0.0	102	\$12.2	1L 8W LED Wall Pack	2	8	4,368	0.0	63	\$7.5	0.0	39	\$4.7	0.0	0	\$0.0	0.0	39	\$4.7	\$10.8				
Total	x					59		799		35.09	64,403	\$11,640		799		34	50,699	\$9,313	3	9,262	\$1,194	0	111	\$14	3	9,372	\$1,207	\$946						

LIGHTING ANALYSIS

Westside Union School District

Esperanza

#	Facility	Replacement Type - LED Survey				Sensor Type	Full Description	Existing					Proposed					Lighting					Sensor					Total Energy					Maint	
		Blg	Blg Type	Room	Area Type			Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KWH Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings	Cost Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings	Cost Savings	Cost Savings		
20	Esperanza	Main	Front Lobby	Lobby	Ceiling Dual	1L 13W CF Twin 6" Can Recessed N/A	8	13	1,610	0.1	151	\$31.7	1L 8W LED Recessed Can Retrofit Kit	8	8	1,610	0.1	93	\$18.5	0.0	58	\$12.2	0.0	0	\$0.0	0.0	58	\$12.2	\$24.9					
21	Esperanza	Main	Front Lobby	Lobby	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Parabolic 32C	10	50	1,610	0.5	725	\$152.3	2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	10	30	1,610	0.3	435	\$91.4	0.2	290	\$60.9	0.0	0	\$0.0	0.2	290	\$60.9	\$33.0					
22	Esperanza	Main	Principal	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Parabolic 32C	4	50	2,200	0.2	396	\$71.2	2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	4	30	2,200	0.1	238	\$42.7	0.1	158	\$28.5	0.0	0	\$0.0	0.1	158	\$28.5	\$13.2					
23	Esperanza	Main	Vice Principal	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Parabolic 32C	2	50	2,200	0.1	198	\$35.6	2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	2	30	2,200	0.1	119	\$21.4	0.0	79	\$14.2	0.0	0	\$0.0	0.0	79	\$14.2	\$6.6					
24	Esperanza	Main	Hallway	Hallway	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	1,610	0.1	145	\$30.5	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$18.3	0.0	58	\$12.2	0.0	0	\$0.0	0.0	58	\$12.2	\$5.7					
25	Esperanza	Main	Mailroom	Office (Open)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Parabolic 32C	4	50	2,200	0.2	396	\$71.2	2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	4	30	2,200	0.1	238	\$42.7	0.1	158	\$28.5	0.0	0	\$0.0	0.1	158	\$28.5	\$13.2					
26	Esperanza	Main	Staff Restroom	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	1,610	0.0	72	\$15.2	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.1	0.0	29	\$6.1	0.0	0	\$0.0	0.0	29	\$6.1	\$2.6					
27	Esperanza	Main	Storage	Storage	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	146	0.0	7	\$6.9	2L 15W 48" Tube LED, Direct Wire	1	30	146	0.0	4	\$5.3	0.0	3	\$3.5	0.0	0	\$0.0	0.0	3	\$3.5	\$2.9					
28	Esperanza	Main	Office (Open)	Office (Open)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Parabolic 32C	4	50	2,200	0.2	396	\$71.2	2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	4	30	2,200	0.1	238	\$42.7	0.1	158	\$28.5	0.0	0	\$0.0	0.1	158	\$28.5	\$13.2					
29	Esperanza	Main	Nurse	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	4	50	2,200	0.2	396	\$71.2	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$42.7	0.1	158	\$28.5	0.0	0	\$0.0	0.1	158	\$28.5	\$11.5					
30	Esperanza	Main	Under	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$30.5	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$18.3	0.0	58	\$12.2	0.0	0	\$0.0	0.0	58	\$12.2	\$5.7					
31	Esperanza	Main	Office (Open)	Office (Open)	Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	14	50	2,200	0.6	1,386	\$289.1	2L 15W 48" Tube LED, Direct Wire	14	30	2,200	0.4	832	\$169.5	0.3	554	\$98.6	0.0	0	\$0.0	0.3	554	\$98.6	\$40.2					
32	Esperanza	Main	Women's	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$30.5	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$18.3	0.0	58	\$12.2	0.0	0	\$0.0	0.0	58	\$12.2	\$5.7					
33	Esperanza	Main	Men's	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	1,610	0.0	72	\$15.2	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.1	0.0	29	\$6.1	0.0	0	\$0.0	0.0	29	\$6.1	\$2.9					
34	Esperanza	Main	Lounge	Break	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	400	0.5	216	\$119.6	2L 15W 48" Tube LED, Direct Wire	12	30	400	0.3	130	\$71.8	0.2	86	\$47.9	0.0	0	\$0.0	0.2	86	\$47.9	\$34.4					
35	Esperanza	Main	302	Conference	Wall IR	2L 28W 48" T8 2x4 Recessed Parabolic 32C	4	50	1,000	0.2	180	\$50.3	2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	4	30	1,000	0.1	108	\$30.2	0.1	72	\$20.1	0.0	0	\$0.0	0.1	72	\$20.1	\$13.2					
36	Esperanza	Main	304	Conference	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Parabolic 32C	4	50	1,250	0.2	225	\$54.7	2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	4	30	1,000	0.1	108	\$30.2	0.1	80	\$21.9	0.0	27	\$2.6	0.1	117	\$24.5	\$13.2					
37	Esperanza	Main	303	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	4	50	2,200	0.2	396	\$71.2	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$42.7	0.1	158	\$28.5	0.0	0	\$0.0	0.1	158	\$28.5	\$11.5					
38	Esperanza	Main	Electrical	Elect/Mech	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	146	0.1	13	\$17.7	2L 15W 48" Tube LED, Direct Wire	2	30	146	0.1	8	\$10.6	0.0	5	\$7.1	0.0	0	\$0.0	0.0	5	\$7.1	\$5.7					
39	Esperanza	Main	202	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Parabolic 32C	11	50	1,171	0.5	580	\$149.5	2L 15W 48" Tube LED, Direct Wire, Prismatic Lens Kit	11	30	1,171	0.3	348	\$87.9	0.2	232	\$58.6	0.0	0	\$0.0	0.2	232	\$58.6	\$26.3					
40	Esperanza	Main	Closet	Storage	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	146	0.0	7	\$6.9	2L 15W 48" Tube LED, Direct Wire	1	30	146	0.0	4	\$5.3	0.0	3	\$3.5	0.0	0	\$0.0	0.0	3	\$3.5	\$2.9					
119	Esperanza	Exterior	Campus	Exterior		4L 24W 22" T5 N/A Shoebox Clear	11	104	4,368	1.0	4,497	\$434.4	4L 11W 22" Tube LED, Direct Wire	11	44	4,368	0.4	1,803	\$183.8	0.6	2,585	\$250.6	0.0	0	\$0.0	0.6	2,585	\$250.6	\$42.6					
120	Esperanza	Exterior	Campus	Exterior		1L 26W CF T11 6" Can Recessed Prismatic	4	26	4,368	0.1	409	\$38.5	1L 20W LED 6" Recessed Can Retrofit Kit	4	20	4,368	0.1	314	\$30.4	0.0	84	\$6.1	0.0	0	\$0.0	0.0	84	\$6.1	\$15.4					
121	Esperanza	Exterior	Campus	Exterior		2L 54W 48" T5 N/A Shoebox Clear	3	124	4,368	0.3	1,462	\$141.3	2L 22W 48" HO LED, Direct Wire	3	44	4,368	0.1	519	\$50.1	0.2	943	\$91.1	0.0	0	\$0.0	0.2	943	\$91.1	\$8.3					
122	Esperanza	Exterior	Campus	Exterior		1L 150W MH N/A Wall Pack Clear	10	190	4,368	1.7	7,468	\$721.5	1L 53W LED Wall Pack w/ Motion Sensor	10	53	4,368	0.5	2,064	\$201.2	1.2	5,386	\$520.2	0.0	0	\$0.0	1.2	5,386	\$520.2	\$218.8					
123	Esperanza	Exterior	Campus	Exterior		1L 42W CF T11 N/A Ceiling Mount Prismatic	5	42	4,368	0.2	626	\$79.7	1L 19W LED Wall Pack	5	19	4,368	0.1	373	\$36.1	0.1	452	\$43.7	0.0	0	\$0.0	0.1	452	\$43.7	\$36.1					
124	Esperanza	Exterior	Campus	Exterior		1L 13W CF Single N/A Wall Pack Opague, Photocell	66	13	4,368	0.8	3,373	\$325.8	1L 8W LED Wall Pack	66	8	4,368	0.5	2,076	\$200.5	0.3	1,297	\$125.3	0.0	0	\$0.0	0.3	1,297	\$125.3	\$357.7					
125	Esperanza	Exterior	Campus	Exterior		1L 13W CFL N/A Wall Pack N/A	2	13	4,368	0.0	102	\$9.9	1L 8W LED Wall Pack	2	8	4,368	0.0	63	\$6.1	0.0	39	\$3.8	0.0	0	\$0.0	0.0	39	\$3.8	\$10.8					
Total	x				55		965		38,000	75,419	\$14,395		965		38	55,717	\$12,192	5	13,304	\$1,585	0	27	\$3	5	13,331	\$1,588	\$993							

LIGHTING ANALYSIS

Westside Union School District

Gregg Anderson

Room	Area Type	Sensor Type	Fixture Description	Qty.	Watts / Hour	kWh	Cost	Proposed Fixture Description	Qty.	Watts / Hour	kWh	Cost	Lighting kWh	Savings kWh	Savings Cost	Savings kWh	Savings Cost	Total Energy Savings kWh	Savings Cost	Savings kWh	Savings Cost	Main
10	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
8	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
6	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
7	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
5	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
4	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
3	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
2	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
1	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
5	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
4	Storage	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	1	50	146	\$8.8	No Change	1	50	146	\$8.8	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
4	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	1,171	\$197.2	No Change	10	74	1,171	\$197.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
3	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic	1	74	1,171	\$18.7	No Change	1	74	1,171	\$18.7	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
3	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	1	74	2,200	\$28.3	No Change	1	74	2,200	\$28.3	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
3	Reception	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	2	50	1,610	\$20.5	No Change	2	50	1,610	\$20.5	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
3	Storage	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	1	74	146	\$13.1	No Change	1	74	146	\$13.1	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
3	Storage	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	1	74	146	\$13.1	No Change	1	74	146	\$13.1	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
3	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	12	74	1,171	\$226.6	No Change	12	74	1,171	\$226.6	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
1	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	15	74	1,171	\$205.7	No Change	15	74	1,171	\$205.7	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
2	Open (Private)	Open (Private)	3L 28W 48" T8 2x4 Recessed Parabolic	2	74	2,200	\$68.7	No Change	2	74	2,200	\$68.7	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
2	Reception	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	2	50	1,610	\$20.5	No Change	2	50	1,610	\$20.5	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
2	Class (Classroom)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	15	74	1,171	\$205.7	No Change	15	74	1,171	\$205.7	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Longue	Reception	Switch IR	3L 28W 48" T8 2x4 Recessed Parabolic	2	50	2,013	\$34.0	No Change	2	50	2,013	\$34.0	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Longue	Break	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	15	74	400	\$221.3	No Change	15	74	400	\$221.3	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Library	Storage	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	1	50	146	\$8.8	No Change	1	50	146	\$8.8	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Under	Reception	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	1	50	1,610	\$15.2	No Change	1	50	1,610	\$15.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Mac	Library	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	1	50	1,610	\$15.2	No Change	1	50	1,610	\$15.2	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Office (Open)	Storage	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	14	50	146	\$124.1	No Change	14	50	146	\$124.1	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Office (Open)	Office (Private)	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	10	74	2,200	\$363.3	No Change	10	74	2,200	\$363.3	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Nurse	Reception	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	1	74	1,610	\$22.5	No Change	1	74	1,610	\$22.5	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Nurse	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic	7	74	2,200	\$194.3	No Change	7	74	2,200	\$194.3	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Principal	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic 18C	2	74	2,200	\$62.7	No Change	2	74	2,200	\$62.7	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Vice Principals	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic 18C	1	74	2,200	\$36.3	No Change	1	74	2,200	\$36.3	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Connectors	Office (Private)	Wall IR	3L 28W 48" T8 2x4 Recessed Parabolic 18C	2	74	2,200	\$62.7	No Change	2	74	2,200	\$62.7	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0
Main	Lobby	Class (Classroom)	3L 28W 48" T8 2x4 Recessed Parabolic 18C	12	74	1,610	\$270.5	No Change	12	74	1,610	\$270.5	No Change	0	0	0	0	0	\$0.0	0	\$0.0	\$0.0

LIGHTING ANALYSIS

Waukegan Union School District

Gregg Anderson

Rehabilitant Type										LED Survey										Senior										Total Energy										Main									
#	Facility	Bldg	Room	Area Type	Senior Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Lighting	Sensor	Cost	KWH	KWH Savings	Cost Savings	Cost	KWH	KWH Savings	Cost Savings	Cost	KWH	KWH Savings	Cost Savings																		
37	Group Addition	E	11	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0																
38	Group Addition	E	12	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0														
39	Group Addition	A	Boys	Restroom	Ceiling Dual	2L 20W 40" T8 2x4 Recessed Parabolic	3	50	2,013	0.1	272	\$55.8	No Change	3	50	1,610	0.1	217	\$45.7	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0														
40	Group Addition	A	Counselor	Storage	Wall IR	2L 20W 40" T8 2x4 Recessed Parabolic	2	50	146	0.1	13	\$17.7	No Change	2	50	146	0.1	13	\$17.7	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0														
41	Group Addition	A	Electrical	Bookshelf	Ceiling Dual	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$8.9	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0														
42	Group Addition	A	Unites	Restroom	Wall IR	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.3	No Change	1	50	1,610	0.0	72	\$15.3	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0														
43	Group Addition	A	Girls	Restroom	Ceiling Dual	2L 20W 40" T8 2x4 Recessed Parabolic	3	50	2,013	0.1	272	\$55.8	No Change	3	50	1,610	0.1	217	\$45.7	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
44	Group Addition	E	Boys	Restroom	Ceiling Dual	2L 20W 40" T8 2x4 Recessed Parabolic	3	50	2,013	0.1	272	\$55.8	No Change	3	50	1,610	0.1	217	\$45.7	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
45	Group Addition	E	Unites	Restroom	Wall IR	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.2	No Change	1	50	1,610	0.0	72	\$15.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
46	Group Addition	E	Counselor	Storage	Wall IR	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	146	0.0	7	\$8.9	No Change	1	50	146	0.0	7	\$8.9	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
47	Group Addition	E	Electrical	Bookshelf	Ceiling Dual	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$8.9	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
48	Group Addition	E	Unites	Restroom	Wall IR	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.2	No Change	1	50	1,610	0.0	72	\$15.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
49	Group Addition	E	Girls	Restroom	Ceiling Dual	2L 20W 40" T8 2x4 Recessed Parabolic	3	50	2,013	0.1	272	\$55.8	No Change	3	50	1,610	0.1	217	\$45.7	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
50	Group Addition	E	Main	Dining	Ceiling IR	3L 20W 40" T8 2x4 Recessed Parabolic	38	74	1,610	2.5	4,076	\$165.5	No Change	38	74	1,610	2.5	4,076	\$165.5	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
51	Group Addition	E	Counselor	Storage	Ceiling Dual	2L 20W 40" T8 2x4 Recessed Parabolic	3	50	183	0.1	25	\$27.1	No Change	3	50	146	0.1	20	\$26.6	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
52	Group Addition	E	Stage	Misc	NA	1L 150W Inward PAR NA Flood Parabolic	4	150	366	0.5	198	\$117.9	No Change	4	150	366	0.5	198	\$117.9	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
53	Group Addition	E	Stage	Hallway	Ceiling Dual	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	2	50	2,013	0.1	181	\$34.0	No Change	2	50	1,610	0.1	145	\$29.5	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
54	Group Addition	E	Stage	Misc	NA	3L 20W 40" T8 2x4 Recessed Parabolic	8	74	366	0.5	195	\$116.3	No Change	8	74	366	0.5	195	\$116.3	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
55	Group Addition	E	Stage	Storage	Wall IR	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	146	0.0	7	\$8.9	No Change	1	50	146	0.0	7	\$8.9	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
56	Group Addition	G	1	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	15	74	1,171	1.0	1,170	\$292.7	No Change	15	74	1,171	1.0	1,170	\$292.7	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
57	Group Addition	G	Girls	Restroom	Ceiling Dual	2L 20W 40" T8 2x4 Recessed Parabolic	3	50	2,013	0.1	272	\$55.8	No Change	3	50	1,610	0.1	217	\$45.7	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
58	Group Addition	G	Boys	Restroom	Ceiling Dual	2L 20W 40" T8 2x4 Recessed Parabolic	3	50	2,013	0.1	272	\$55.8	No Change	3	50	1,610	0.1	217	\$45.7	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
59	Group Addition	G	Fire Sprinkler	Storage	Ceiling Dual	1L 20W 40" Single NA Wall Mount NA	1	20	183	0.0	3	\$3.5	No Change	1	20	146	0.0	3	\$3.5	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
60	Group Addition	G	Electrical	Bookshelf	Ceiling Dual	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$8.9	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
61	Group Addition	A	MDP	Bookshelf	Wall IR	3L 20W 40" T8 2x4 Recessed Parabolic 16C	2	74	146	0.1	20	\$26.2	No Change	2	74	146	0.1	20	\$26.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
62	Group Addition	B	1	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
63	Group Addition	B	2	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
64	Group Addition	B	3	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
65	Group Addition	B	4	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
66	Group Addition	B	5	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
67	Group Addition	B	6	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
68	Group Addition	B	7	Class (Elementary)	Ceiling Dual	3L 20W 40" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
69	Group Addition	B	Girls	Class (Elementary)	NA	2L 20W 40" T8 2x4 Recessed Parabolic	3	50	1,664	0.1	198	\$43.8	No Change	3	50	1,664	0.1	198	\$43.8	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
70	Group Addition	B	Unites	Restroom	Wall IR	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.2	No Change	1	50	1,610	0.0	72	\$15.2	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
71	Group Addition	B	Electrical Closet	Bookshelf	Ceiling Dual	2L 20W 40" T8 1x4 Ceiling Mount Parabolic	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$8.9	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												
72	Group Addition	B	Closet	Bookshelf	Wall IR	2L 20W 40" T8 2x4 Recessed Parabolic	1	50	146	0.0	7	\$8.9	No Change	1	50	146	0.0	7	\$8.9	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0	0.0	\$0.0												

LIGHTING ANALYSIS
Westside Union School District

Gregg Anderson

#	Facility	Bldg	Sldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	MW	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	MW	Cost	Lighting KW Savings	Cost Savings	Sensor KW Savings	Cost Savings	Total Energy KW Savings	Cost Savings	Mount Rec'd Savings
73	Gregg Anderson	B		Closet	Storage	Wall IR	2L 20W/48" T8 2x4 Recessed Parabolic	2	50	146	0.1	13	\$17.7	No Change	2	50	146	0.1	13	\$17.7	0.0	0	\$0.0	0.0	0	\$0.0	0
74	Gregg Anderson	B		Unlabeled	Restroom	Wall IR	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.2	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0
75	Gregg Anderson	B		Girls	Restroom	Wall IR	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.2	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0
76	Gregg Anderson	B		7	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	14	74	1,171	0.0	1,062	\$276.0	No Change	14	74	1,171	0.0	1,062	\$276.0	0.0	0	\$0.0	0.0	0	\$0.0	0
77	Gregg Anderson	B		Unlabeled	Restroom	Add Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic	1	74	2,013	0.1	134	\$25.1	No Change	1	74	1,610	0.1	107	\$25.5	0.0	0	\$0.0	0.0	0	\$0.0	0
78	Gregg Anderson	B		8	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	14	74	1,171	0.0	1,062	\$276.0	No Change	14	74	1,171	0.0	1,062	\$276.0	0.0	0	\$0.0	0.0	0	\$0.0	0
79	Gregg Anderson	B		Unlabeled	Restroom	Add Ceiling Dual	2L 20W/48" T8 2x4 Recessed Parabolic	1	50	2,013	0.0	81	\$17.9	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0
80	Gregg Anderson	B		8	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	14	74	1,171	0.0	1,062	\$276.0	No Change	14	74	1,171	0.0	1,062	\$276.0	0.0	0	\$0.0	0.0	0	\$0.0	0
81	Gregg Anderson	B		Unlabeled	Restroom	Add Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic	1	74	2,013	0.1	134	\$25.1	No Change	1	74	1,610	0.1	107	\$25.5	0.0	0	\$0.0	0.0	0	\$0.0	0
82	Gregg Anderson	B		10	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	14	74	1,171	0.0	1,062	\$276.0	No Change	14	74	1,171	0.0	1,062	\$276.0	0.0	0	\$0.0	0.0	0	\$0.0	0
83	Gregg Anderson	B		Unlabeled	Restroom	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic	1	74	2,013	0.1	134	\$25.1	No Change	1	74	1,610	0.1	107	\$25.5	0.0	0	\$0.0	0.0	0	\$0.0	0
84	Gregg Anderson	Main		Unlabeled	Restroom	Ceiling Dual	3L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.2	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0
85	Gregg Anderson	Main		Unlabeled	Restroom	Wall IR	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.2	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0
86	Gregg Anderson	Main		Unlabeled	Restroom	Wall IR	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	2	50	146	0.1	13	\$17.7	No Change	2	50	146	0.1	13	\$17.7	0.0	0	\$0.0	0.0	0	\$0.0	0
87	Gregg Anderson	Main		Tirecycle Storage	Storage	Wall IR	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	146	0.0	7	\$6.8	No Change	1	50	146	0.0	7	\$6.8	0.0	0	\$0.0	0.0	0	\$0.0	0
88	Gregg Anderson	Main		Celexion	Storage	Wall IR	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	146	0.0	7	\$6.8	No Change	1	50	146	0.0	7	\$6.8	0.0	0	\$0.0	0.0	0	\$0.0	0
89	Gregg Anderson	C		Electrical	Class	Add Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	146	0.0	6	\$6.0	No Change	1	50	146	0.0	7	\$6.9	0.0	0	\$0.0	0.0	0	\$0.0	0
90	Gregg Anderson	C		Free Sprinkler	Storage	Wall IR	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	4	50	146	0.2	26	\$35.5	No Change	4	50	146	0.2	26	\$35.5	0.0	0	\$0.0	0.0	0	\$0.0	0
91	Gregg Anderson	C		1	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	0	\$0.0	0.0	0	\$0.0	0
92	Gregg Anderson	C		2	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	0	\$0.0	0.0	0	\$0.0	0
93	Gregg Anderson	D		Fire Sprinkler	Class	Add Ceiling Dual	1L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	20	183	0.0	3	\$3.9	No Change	1	20	146	0.0	3	\$3.5	0.0	0	\$0.0	0.0	0	\$0.0	0
94	Gregg Anderson	D		Electrical	Class	Add Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	183	0.0	6	\$6.0	No Change	1	50	146	0.0	7	\$6.9	0.0	0	\$0.0	0.0	0	\$0.0	0
95	Gregg Anderson	D		Unlabeled	Restroom	Wall IR	2L 20W/48" T8 1x4 Ceiling Mount Parabolic	1	50	1,610	0.0	72	\$15.2	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0
96	Gregg Anderson	D		Boys	Restroom	Add Ceiling Dual	2L 20W/48" T8 2x4 Recessed Parabolic	3	50	2,013	0.1	272	\$50.8	No Change	3	50	1,610	0.1	217	\$45.7	0.0	0	\$0.0	0.0	0	\$0.0	0
97	Gregg Anderson	D		12	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	17	74	1,171	1.1	1,306	\$335.2	No Change	17	74	1,171	1.1	1,306	\$335.2	0.0	0	\$0.0	0.0	0	\$0.0	0
98	Gregg Anderson	D		Unlabeled	Office (Private)	Wall IR	3L 20W/48" T8 2x4 Recessed Parabolic 16C	2	74	2,200	0.1	263	\$52.7	No Change	2	74	2,200	0.1	263	\$52.7	0.0	0	\$0.0	0.0	0	\$0.0	0
99	Gregg Anderson	D		11	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	0	\$0.0	0.0	0	\$0.0	0
100	Gregg Anderson	D		10	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	0	\$0.0	0.0	0	\$0.0	0
101	Gregg Anderson	D		8	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	0	\$0.0	0.0	0	\$0.0	0
102	Gregg Anderson	D		7	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	0	\$0.0	0.0	0	\$0.0	0
103	Gregg Anderson	D		Storage	Storage	Wall IR	2L 20W/48" T8 2x4 Recessed Parabolic	2	50	146	0.1	13	\$17.7	No Change	2	50	146	0.1	13	\$17.7	0.0	0	\$0.0	0.0	0	\$0.0	0
104	Gregg Anderson	D		Office	Office (Private)	Wall IR	3L 20W/48" T8 2x4 Recessed Parabolic 16C	2	74	2,200	0.1	263	\$52.7	No Change	2	74	2,200	0.1	263	\$52.7	0.0	0	\$0.0	0.0	0	\$0.0	0
105	Gregg Anderson	D		6	Office (Private)	Wall IR	2L 20W/48" T8 2x4 Recessed Parabolic	2	50	2,200	0.1	166	\$35.6	No Change	2	50	146	0.1	166	\$35.6	0.0	0	\$0.0	0.0	0	\$0.0	0
106	Gregg Anderson	D		5	Class (Elementary)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	10	74	1,171	0.7	760	\$197.2	No Change	10	74	1,171	0.7	760	\$197.2	0.0	0	\$0.0	0.0	0	\$0.0	0
107	Gregg Anderson	D		4	Office (Private)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	8	74	2,200	0.5	1,172	\$210.7	No Change	8	74	2,200	0.5	1,172	\$210.7	0.0	0	\$0.0	0.0	0	\$0.0	0
108	Gregg Anderson	D		3	Office (Private)	Ceiling Dual	3L 20W/48" T8 2x4 Recessed Parabolic 16C	3	74	2,200	0.2	440	\$79.0	No Change	3	74	2,200	0.2	440	\$79.0	0.0	0	\$0.0	0.0	0	\$0.0	0

Westside Union School District

Replacement Type: LED
Survey

Total	x	22	782	44,00	117,961	\$19,266	782	44	97,720	\$17,311	\$	19,637	\$1,897	0	0	\$0	\$	19,637	\$1,897	\$624
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LIGHTING ANALYSIS

Westside Union School District

Hillview

#	Facility	Bldg	Bldg Type	Replacement Type: LED Survey				Proposed										Lighting				Sensor				Total Energy				Maint Cost Savings
				Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	
18	Hillview	Admin		Halfway	Halfway	Add Ceiling Dual	2L 28W CF Twin 6" Can Recessed N/A	3	56	2,013	0.2	304	\$53.7	1L 20W LED 6" Recessed Can Retrofit Kit	3	20	1,610	0.1	87	\$16.6	0.1	166	\$34.5	0.0	22	\$2.6	0.1	217	\$37.1	\$11.6
19	Hillview	Admin		Halfway	Halfway	Add Ceiling Dual	1L 28W CF Twin 6" Can Recessed N/A	9	28	2,013	0.2	457	\$80.6	1L 20W LED 6" Recessed Can Retrofit Kit	9	20	1,610	0.2	261	\$49.8	0.1	130	\$23.0	0.0	65	\$7.8	0.1	196	\$30.8	\$34.7
20	Hillview	Admin		Women's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$16.0	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.3	0.0	36	\$6.4	0.0	11	\$1.3	0.0	47	\$7.7	\$2.9
21	Hillview	Admin		Men's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$16.0	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.3	0.0	36	\$6.4	0.0	11	\$1.3	0.0	47	\$7.7	\$2.9
22	Hillview	Admin		Assistant Principal	Office (Private)	Ceasing IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$34.0	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.4	0.0	79	\$13.6	0.0	0	\$0.0	0.0	79	\$13.6	\$5.7
23	Hillview	Admin		Office	Office (Private)	Ceasing IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$34.0	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.4	0.0	79	\$13.6	0.0	0	\$0.0	0.0	79	\$13.6	\$5.7
24	Hillview	Admin		Office	Office (Private)	Ceasing IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$34.0	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.4	0.0	79	\$13.6	0.0	0	\$0.0	0.0	79	\$13.6	\$5.7
25	Hillview	Admin		Office	Office (Private)	Ceasing IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$34.0	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.4	0.0	79	\$13.6	0.0	0	\$0.0	0.0	79	\$13.6	\$5.7
26	Hillview	Admin		Office	Office (Private)	Ceasing IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$34.0	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.4	0.0	79	\$13.6	0.0	0	\$0.0	0.0	79	\$13.6	\$5.7
27	Hillview	Admin		Restroom	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$16.0	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.3	0.0	36	\$6.4	0.0	11	\$1.3	0.0	47	\$7.7	\$2.9
28	Hillview	Admin		Restroom	Restroom	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,013	0.1	161	\$32.0	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$16.6	0.0	72	\$12.8	0.0	22	\$2.6	0.0	94	\$15.4	\$5.7
29	Hillview	Admin		Health Office	Office (Private)	Ceasing Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	4	50	2,200	0.2	396	\$68.0	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$40.8	0.1	158	\$27.2	0.0	0	\$0.0	0.1	158	\$27.2	\$11.5
30	Hillview	Admin		Restroom	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$16.0	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.3	0.0	36	\$6.4	0.0	11	\$1.3	0.0	47	\$7.7	\$2.9
31	Hillview	Admin		Principal Office	Office (Private)	Ceasing IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$34.0	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.4	0.0	79	\$13.6	0.0	0	\$0.0	0.0	79	\$13.6	\$5.7
32	Hillview	Admin		Restroom	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$16.0	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.3	0.0	36	\$6.4	0.0	11	\$1.3	0.0	47	\$7.7	\$2.9
33	Hillview	Admin		Closet	Storage	N/A	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	183	0.1	16	\$12.3	2L 15W 48" Tube LED, Direct Wire	2	30	183	0.1	10	\$7.4	0.0	7	\$4.9	0.0	0	\$0.0	0.0	7	\$4.9	\$5.7
34	Hillview	Admin		Halfway	Halfway	Add Ceiling Dual	2L 28W 48" T8 1x4 Wall Mount Prismatic	4	50	2,013	0.2	362	\$64.0	2L 15W 48" Tube LED, Direct Wire	4	30	1,610	0.1	174	\$33.2	0.1	145	\$25.8	0.0	43	\$5.2	0.1	188	\$30.8	\$11.5
35	Hillview	Admin		Halfway	Halfway	Add Ceiling Dual	1L 23W CF Single N/A Pendant Opaque	8	23	2,013	0.2	333	\$58.9	1L 17W LED, Screw-In	8	17	1,610	0.1	197	\$37.5	0.0	87	\$15.4	0.0	49	\$5.9	0.0	136	\$21.3	\$9.2
36	Hillview	Admin		Office	Office (Private)	Ceasing IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$34.0	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$20.4	0.0	79	\$13.6	0.0	0	\$0.0	0.0	79	\$13.6	\$5.7
37	Hillview	Admin		Closet	Storage	N/A	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	183	0.1	16	\$12.3	2L 15W 48" Tube LED, Direct Wire	2	30	183	0.1	10	\$7.4	0.0	7	\$4.9	0.0	0	\$0.0	0.0	7	\$4.9	\$5.7
38	Hillview	Admin		Faculty	Office (Open)	Ceasing Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	7	50	2,200	0.3	693	\$119.0	2L 15W 48" Tube LED, Direct Wire	7	30	2,200	0.2	416	\$71.4	0.1	277	\$47.8	0.0	0	\$0.0	0.1	277	\$47.8	\$20.1
39	Hillview	Admin		Restroom	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$16.0	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.3	0.0	36	\$6.4	0.0	11	\$1.3	0.0	47	\$7.7	\$2.9
148	Hillview	Exterior		Campus	Exterior		2L 28W CF Twin N/A Ceiling Mount N/A	45	52	4,368	2.1	9,199	\$1,100.8	1L 20W LED Ceiling Mount	45	20	4,368	0.8	3,538	\$423.4	1.3	5,661	\$677.5	0.0	0	\$0.0	1.3	5,661	\$677.5	\$342.9
149	Hillview	Exterior		Campus	Exterior		4L 24W 22" T5 N/A Shoebox Clear	10	104	4,368	0.8	4,088	\$488.3	4L 11W 22" Tube LED, Direct Wire	10	44	4,368	0.4	1,720	\$207.0	0.5	2,359	\$282.3	0.0	0	\$0.0	0.5	2,359	\$282.3	\$38.7
150	Hillview	Exterior		Campus	Exterior		2L 28W CF Twin N/A Wall Pack	24	52	4,368	1.1	4,806	\$587.2	1L 34W LED Wall Pack w/ Motion Sensor	24	34	4,368	0.7	3,208	\$383.9	0.4	1,698	\$203.2	0.0	0	\$0.0	0.4	1,698	\$203.2	\$340.8
151	Hillview	Exterior		Campus	Exterior		2L 28W CF Twin 6" Can Ceiling Mount N/A	8	52	4,368	0.4	1,636	\$195.7	1L 20W LED 6" Recessed Can Retrofit Kit	8	20	4,368	0.1	629	\$75.3	0.2	1,006	\$120.4	0.0	0	\$0.0	0.2	1,006	\$120.4	\$30.8
152	Hillview	Exterior		Campus	Exterior		1L 70W HPS N/A Bollard Clear	9	95	4,368	0.8	3,361	\$402.3	1L 16.5W LED, Direct Wire	9	16.5	4,368	0.1	584	\$69.9	0.6	2,777	\$332.4	0.0	0	\$0.0	0.6	2,777	\$332.4	\$9.1
Total		x				56		1,248		58.00	101,811	\$18,737		1,248		57	80,872	\$16,087	5	15,353	\$1,946	8	267	\$32	5	15,620	\$1,978	\$535		

LIGHTING ANALYSIS
Westside Union School District

Joe Walker

Replacement Type LED Survey														Proposed														Lighting				Sensor				Total Energy				Maint	
#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings									
1	Joe Walker	Admin		Main	Lobby	Add Ceiling Dual	2L 17W 24" T8 2x2 Ceiling Mount Prismatic	17	33	2,013	0.5	1,016	\$193.7	2L 8W 24" LED	17	16	1,610	0.2	394	\$84.1	0.3	524	\$99.8	0.0	99	\$9.8	0.3	622	\$109.6	\$45.2											
2	Joe Walker	Admin		Main	Lobby	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	9	50	2,013	0.4	815	\$155.3	2L 15W 48" Tube LED, Direct Wire	9	30	1,610	0.2	361	\$63.5	0.2	326	\$62.1	0.0	89	\$9.8	0.2	424	\$71.9	\$25.9											
3	Joe Walker	Admin	1	Office (Private)	Wait IR	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	4	50	2,200	0.2	396	\$72.4	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$43.4	0.1	158	\$29.0	0.0	0	\$0.0	0.1	158	\$29.0	\$11.5											
4	Joe Walker	Admin	2	Office (Private)	Wait IR	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	4	50	2,200	0.2	396	\$72.4	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$43.4	0.1	158	\$29.0	0.0	0	\$0.0	0.1	158	\$29.0	\$11.5											
5	Joe Walker	Admin	3	Office (Private)	Wait IR	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	4	50	2,200	0.2	396	\$72.4	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$43.4	0.1	158	\$29.0	0.0	0	\$0.0	0.1	158	\$29.0	\$11.5											
6	Joe Walker	Admin		Men's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,013	0.1	161	\$34.5	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$18.5	0.0	72	\$13.8	0.0	22	\$2.2	0.0	94	\$16.0	\$5.7											
7	Joe Walker	Admin		Custodial	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	163	0.0	8	\$9.1	2L 15W 48" Tube LED, Direct Wire	1	30	146	0.0	4	\$5.3	0.0	3	\$3.6	0.0	1	\$0.1	0.0	4	\$3.7	\$2.8											
8	Joe Walker	Admin	Counselor/Conference	Office (Private)	Wait IR	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	8	50	2,200	0.4	792	\$144.8	2L 15W 48" Tube LED, Direct Wire	8	30	2,200	0.2	475	\$86.9	0.1	317	\$57.9	0.0	0	\$0.0	0.1	317	\$57.9	\$20.0											
9	Joe Walker	Admin	Counselor/Conference	Office (Private)	Wait IR	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	8	50	2,200	0.4	792	\$144.8	2L 15W 48" Tube LED, Direct Wire	8	30	2,200	0.2	475	\$86.9	0.1	317	\$57.9	0.0	0	\$0.0	0.1	317	\$57.9	\$20.0											
10	Joe Walker	Admin		Roof Access	Storage	Add Ceiling Dual	1L 20W CF Single N/A Wall Mount N/A	1	20	163	0.0	3	\$3.5	1L 17W LED, Screw-In	1	17	146	0.0	2	\$3.0	0.0	0	\$0.5	0.0	1	\$0.1	0.0	1	\$0.6	\$1.0											
11	Joe Walker	Admin		Women's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	3	50	2,013	0.1	272	\$51.8	2L 15W 48" Tube LED, Direct Wire	3	30	1,610	0.1	130	\$27.8	0.1	109	\$20.7	0.0	33	\$3.3	0.1	141	\$24.0	\$8.6											
12	Joe Walker	Admin		Staff Lounge	Break	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	400	0.5	216	\$100.3	2L 15W 48" Tube LED, Direct Wire	12	30	400	0.3	130	\$72.2	0.2	86	\$48.1	0.0	0	\$0.0	0.2	86	\$48.1	\$34.4											
13	Joe Walker	Admin		Staff Lounge	Break	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	4	50	400	0.2	72	\$40.1	2L 15W 48" Tube LED, Direct Wire	4	30	400	0.1	43	\$24.1	0.1	29	\$16.0	0.0	0	\$0.0	0.1	29	\$16.0	\$11.5											
14	Joe Walker	Admin		Staff Lounge	Break	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	500	0.1	45	\$20.9	2L 15W 48" Tube LED, Direct Wire	2	30	400	0.1	22	\$12.0	0.0	18	\$8.4	0.0	5	\$0.5	0.0	23	\$8.9	\$5.7											
103	Joe Walker	Admin		Administration	Office (Open)	Add Ceiling Dual	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	6	50	2,750	0.3	743	\$123.4	2L 15W 48" Tube LED, Direct Wire	6	30	2,200	0.2	356	\$65.2	0.1	267	\$48.4	0.0	88	\$8.9	0.1	386	\$58.2	\$17.2											
104	Joe Walker	Admin		Nurse's	Office (Private)	Wait IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	6	50	2,200	0.3	584	\$108.5	2L 15W 48" Tube LED, Direct Wire	6	30	2,200	0.2	356	\$65.2	0.1	238	\$43.4	0.0	0	\$0.0	0.1	238	\$43.4	\$17.2											
105	Joe Walker	Admin		Nurse's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	91	\$17.3	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$9.3	0.0	35	\$6.9	0.0	11	\$1.1	0.0	47	\$8.0	\$2.9											
106	Joe Walker	Admin		Principal's	Office (Private)	Wait IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	4	50	2,200	0.2	396	\$72.4	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$43.4	0.1	158	\$29.0	0.0	0	\$0.0	0.1	158	\$29.0	\$11.5											
107	Joe Walker	Admin		Supply Room	Storage	Wait IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	146	0.1	13	\$17.8	2L 15W 48" Tube LED, Direct Wire	2	30	146	0.1	8	\$10.7	0.0	5	\$7.1	0.0	0	\$0.0	0.0	5	\$7.1	\$5.7											
108	Joe Walker	Admin		Electrical Room	Elect/Mech	Add Ceiling Dual	2L 26W 48" T8 1x4 Pendant Prismatic	1	50	163	0.0	8	\$9.1	2L 15W 48" Tube LED, Direct Wire	1	30	146	0.0	4	\$5.3	0.0	3	\$3.6	0.0	1	\$0.1	0.0	4	\$3.7	\$2.8											
109	Joe Walker	Admin		Storage	Storage	Wait IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	146	0.1	13	\$17.8	2L 15W 48" Tube LED, Direct Wire	2	30	146	0.1	8	\$10.7	0.0	5	\$7.1	0.0	0	\$0.0	0.0	5	\$7.1	\$5.7											
110	Joe Walker	Admin		Vice Principal's	Office (Private)	Wait IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$36.2	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$21.7	0.0	79	\$14.5	0.0	0	\$0.0	0.0	79	\$14.5	\$5.7											
187	Joe Walker	Exterior		Campus	Exterior		4L 54W 48" T5 N/A Shoebox Clear	14	234	4,368	2.8	12,878	\$1,283.7	4L 22W 48" HQ LED, Direct Wire	14	88	4,368	1.1	4,843	\$482.8	1.8	8,035	\$801.0	0.0	0	\$0.0	1.8	8,035	\$801.0	\$56.2											
188	Joe Walker	Exterior		Campus	Exterior		1L 250W MH N/A Shoebox N/A	8	295	4,368	2.1	9,278	\$924.6	1L 110W LED Shoebox w/ Motion Sensor	8	110	4,368	0.8	2,456	\$344.8	1.3	5,818	\$580.0	0.0	0	\$0.0	1.3	5,818	\$580.0	\$244.1											
189	Joe Walker	Exterior		Campus	Exterior		1L 250W MH N/A Shoebox N/A	10	295	4,368	2.7	11,587	\$1,156.0	1L 110W LED Shoebox w/ Motion Sensor	10	110	4,368	1.0	4,324	\$431.0	1.7	7,273	\$724.8	0.0	0	\$0.0	1.7	7,273	\$724.9	\$205.1											
190	Joe Walker	Exterior		Campus	Exterior		2L 54W 48" T5 N/A Shoebox Clear	8	124	4,368	0.9	3,800	\$388.7	2L 22W 48" HQ LED, Direct Wire	8	44	4,368	0.3	1,364	\$137.9	0.6	2,516	\$250.8	0.0	0	\$0.0	0.6	2,516	\$250.8	\$24.7											
192	Joe Walker	Exterior		Campus	Exterior		1L 28W CF Twin N/A Wall Pack N/A	13	26	4,368	0.3	1,329	\$132.4	1L 14W LED Wall Pack	13	14	4,368	0.2	715	\$71.3	0.1	613	\$61.1	0.0	0	\$0.0	0.1	613	\$61.1	\$70.5											
193	Joe Walker	Exterior		Campus	Exterior		2L 8W 12" T5 N/A Recessed Clear	46	17	4,368	0.7	3,208	\$319.8	1L 8W LED Ceiling Mount	46	8	4,368	0.3	1,510	\$150.5	0.4	1,668	\$169.3	0.0	0	\$0.0	0.4	1,668	\$169.3	\$148.3											
194	Joe Walker	Exterior		Campus	Exterior		1L 28W CF Twin N/A Wall Pack N/A	26	26	4,368	0.8	2,657	\$264.9	1L 14W LED Wall Pack	26	14	4,368	0.3	1,421	\$142.6	0.3	1,227	\$122.3	0.0	0	\$0.0	0.3	1,227	\$122.3	\$140.9											
195	Joe Walker	Exterior		Campus	Exterior		2L 9W CF Single N/A Wall Mount N/A	4	19	4,368	0.1	263	\$26.2	1L 14W LED Wall Pack	4	14	4,368	0.1	220	\$21.9	0.0	63	\$6.3	0.0	0	\$0.0	0.0	63	\$6.3	\$21.7											
196	Joe Walker	Exterior		Campus	Exterior		2L 20W CF Tri 1x1 Canopy Prismatic	20	52	4,368	0.8	4,068	\$407.5	1L 20W LED Ceiling Mount	20	20	4,368	0.4	1,572	\$156.7	0.6	2,516	\$250.8	0.0	0	\$0.0	0.6	2,516	\$250.8	\$152.4											
Total		x				92		1,778			71.00	177,361	\$36,660		1,778		70	135,378	\$26,147	9	32,859	\$3,604	0	359	\$36	9	33,217	\$3,639	\$1,465												

LIGHTING ANALYSIS

Westside Union School District

Leona Valley

#	Facility	Bldg	Eldg Type	Room	Sensor Type	Area Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Total Energy											
																			Lighting	Sensor	KWH Savings	Cost Savings	Most Savings							
1	Leona Valley	Main	221	Class (Elementary)	Ceiling Dual	Class	2L 28W/48" T8 1st Pendant Parabolic ATC	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0							
2	Leona Valley	Main	217	Class (Elementary)	Ceiling Dual	Class	2L 28W/48" T8 1st Pendant Parabolic ATC	14	50	1,171	0.6	\$28	\$165.9	No Change	14	50	1,171	0.6	738	\$165.9	0.0	0	\$0.0							
3	Leona Valley	Main	214	Office (Elementary)	Switch IR	Office (Elementary)	2L 28W/48" T8 1st Ceiling Mount Parabolic	4	50	2,350	0.2	\$62.1	\$82.1	No Change	4	50	2,350	0.2	495	\$82.1	0.0	0	\$0.0							
4	Leona Valley	Main	218	Class (Elementary)	Ceiling Dual	Class	2L 28W/48" T8 1st Pendant Parabolic ATC	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0							
5	Leona Valley	Main	Unlabeled	Restroom	Ceiling Dual	Restroom	2L 28W/48" T8 1st Ceiling Mount Parabolic	1	50	2,000	0.0	\$1	\$16.5	No Change	1	50	1,510	0.0	71	\$14.3	0.0	0	\$0.0							
6	Leona Valley	Main	219	Class (Elementary)	Ceiling Dual	Class	2L 28W/48" T8 1st Pendant Parabolic ATC	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0							
7	Leona Valley	Main	220	Class (Elementary)	Ceiling Dual	Class	2L 28W/48" T8 1st Pendant Parabolic ATC	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0							
8	Leona Valley	Main	215	Storage	Wall IR	Storage	2L 28W/48" T8 1st Ceiling Mount Parabolic	2	50	146	0.1	13	\$12.4	No Change	2	50	146	0.1	13	\$12.4	0.0	0	\$0.0							
9	Leona Valley	Main	Electrical Closet	Storage	Ceiling Dual	Storage	2L 28W/48" T8 1st Ceiling Mount Parabolic	1	50	182	0.0	6	\$6.4	No Change	1	50	146	0.0	7	\$6.2	0.0	0	\$0.0							
10	Leona Valley	Main	Custodial Closet	Storage	Ceiling Dual	Storage	2L 28W/48" T8 1st Ceiling Mount Parabolic	1	50	182	0.0	6	\$6.4	No Change	1	50	146	0.0	7	\$6.2	0.0	0	\$0.0							
11	Leona Valley	Main	Storage Closet	Storage	Ceiling Dual	Storage	2L 28W/48" T8 1st Ceiling Mount Parabolic	1	50	182	0.0	6	\$6.4	No Change	1	50	146	0.0	7	\$6.2	0.0	0	\$0.0							
12	Leona Valley	Main	Equipment Closet	Storage	Ceiling Dual	Storage	2L 28W/48" T8 1st Ceiling Mount Parabolic	2	50	182	0.1	16	\$12.8	No Change	2	50	146	0.1	13	\$12.4	0.0	0	\$0.0							
13	Leona Valley	Main	Girls	Restroom	Ceiling Dual	Restroom	2L 28W/48" T8 1st Ceiling Mount Parabolic	3	50	2,000	0.1	272	\$46.4	No Change	3	50	1,510	0.1	217	\$42.8	0.0	0	\$0.0							
14	Leona Valley	Main	Boys	Restroom	Ceiling Dual	Restroom	2L 28W/48" T8 1st Ceiling Mount Parabolic	3	50	2,000	0.1	272	\$46.4	No Change	3	50	1,510	0.1	217	\$42.8	0.0	0	\$0.0							
15	Leona Valley	Main	Unlabeled	Restroom	Ceiling Dual	Restroom	2L 28W/48" T8 1st Ceiling Mount Parabolic	1	50	2,000	0.0	81	\$16.5	No Change	1	50	1,510	0.0	71	\$14.3	0.0	0	\$0.0							
16	Leona Valley	Portable	Library	Class (Elementary)	Ceiling IR	Class	2L 28W/48" T8 2nd Recessed Parabolic 30C	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0							
17	Leona Valley	Portable	Computer Lab	Class (Elementary)	Ceiling IR	Class	2L 28W/48" T8 2nd Recessed Parabolic 30C	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0							
18	Leona Valley	Cafeteria	Kitchen	Dining	Switch IR	Dining	2L 28W/48" T8 1st Ceiling Mount Parabolic	8	50	2,000	0.4	725	\$131.6	No Change	8	50	2,000	0.4	725	\$131.6	0.0	0	\$0.0							
19	Leona Valley	Cafeteria	Kitchen Storage	Storage	Switch IR	Storage	2L 28W/48" T8 1st Spot WA	1	50	182	0.0	6	\$6.4	No Change	1	50	182	0.0	8	\$6.4	0.0	0	\$0.0							
20	Leona Valley	Admin	Main	Library	Adm. Ceiling Dual	Library	2L 28W/48" T8 1st Wall Direct Chair	2	52	2,000	0.1	186	\$24.3	1L 28W/48" LED Wall Direct w Motion Sensor	2	34	1,510	0.1	99	\$16.4	0.0	65	\$11.9	0.0	25	\$3.0	0.0	90	\$14.9	\$28.4
21	Leona Valley	Admin	Main	Library	Adm. Ceiling Dual	Library	1L 28W/48" T8 1st WA Recessed Parabolic	2	26	2,000	0.0	91	\$16.5	1L 17W LED Direct WA	2	17	1,510	0.0	49	\$9.7	0.0	29	\$6.3	0.0	12	\$1.5	0.0	41	\$6.8	\$2.1
22	Leona Valley	Admin	Library	Library	Adm. Ceiling Dual	Library	2L 28W/48" T8 1st Ceiling Mount Parabolic	1	50	2,000	0.0	91	\$16.5	2L 150W/48" T8 1st LED Direct WA	1	30	1,900	0.0	43	\$8.6	0.0	36	\$6.6	0.0	11	\$1.3	0.0	47	\$7.9	\$2.9
23	Leona Valley	Admin	Main	Library	Ceiling Dual	Library	2L 28W/48" T8 2nd Recessed Parabolic	4	50	1,600	0.2	260	\$27.1	2L 150W/48" T8 1st LED Direct WA	4	30	1,900	0.1	175	\$24.2	0.1	116	\$22.8	0.0	0	\$0.0	0.1	116	\$22.8	\$11.5
24	Leona Valley	Admin	Principal	Office (Principal)	Adm. Ceiling Dual	Office (Principal)	2L 28W/48" T8 2nd Recessed Parabolic	2	50	2,350	0.1	248	\$41.1	2L 150W/48" T8 1st LED Direct WA	2	30	2,200	0.1	119	\$21.0	0.0	49	\$16.4	0.0	30	\$3.6	0.0	129	\$22.1	\$5.7
25	Leona Valley	Admin	Nurse	Office (Principal)	Adm. Ceiling Dual	Office (Principal)	2L 28W/48" T8 2nd Recessed Parabolic	2	50	2,350	0.1	248	\$41.1	2L 150W/48" T8 1st LED Direct WA	2	30	2,200	0.1	119	\$21.0	0.0	49	\$16.4	0.0	30	\$3.6	0.0	129	\$22.1	\$5.7
26	Leona Valley	Admin	Nurse	Restroom	Adm. Ceiling Dual	Restroom	2L 28W/48" T8 1st Ceiling Mount Parabolic	1	50	2,000	0.0	91	\$16.5	2L 150W/48" T8 1st LED Direct WA	1	30	1,900	0.0	43	\$8.6	0.0	36	\$6.6	0.0	11	\$1.3	0.0	47	\$7.9	\$2.9
27	Leona Valley	Admin	Work/Carey	Office (Principal)	Ceiling Dual	Office (Principal)	2L 28W/48" T8 2nd Recessed Parabolic	7	50	2,350	0.3	693	\$122.8	2L 150W/48" T8 1st LED Direct WA	7	30	2,200	0.2	416	\$73.5	0.1	277	\$48.0	0.0	0	\$0.0	0.1	277	\$48.0	\$38.1
28	Leona Valley	Admin	Office (Class)	Office (Principal)	Ceiling Dual	Office (Principal)	2L 28W/48" T8 2nd Recessed Parabolic	5	50	2,350	0.2	469	\$87.5	2L 150W/48" T8 1st LED Direct WA	5	30	2,200	0.1	207	\$62.5	0.1	186	\$35.0	0.0	0	\$0.0	0.1	186	\$35.0	\$14.4
29	Leona Valley	Admin	Office (Class)	Office (Principal)	Adm. Ceiling Dual	Office (Principal)	2L 28W/48" T8 1st Ceiling Mount Parabolic	1	50	2,000	0.0	91	\$16.5	2L 150W/48" T8 1st LED Direct WA	1	30	1,900	0.0	43	\$8.6	0.0	36	\$6.6	0.0	11	\$1.3	0.0	47	\$7.9	\$2.9
30	Leona Valley	Main	Meat	Hallway	Ceiling Dual	Hallway	2L 28W/48" T8 1st Ceiling Mount Parabolic	2	50	2,000	0.1	181	\$23.0	No Change	2	50	1,610	0.1	145	\$25.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	\$0.0
31	Leona Valley	Main	208	Class (Elementary)	Ceiling US	Class (Elementary)	2L 28W/48" T8 2nd Recessed Parabolic	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0	0	0	\$0.0	0.0	0	\$0.0	\$0.0
32	Leona Valley	Main	210	Class (Elementary)	Ceiling US	Class (Elementary)	2L 28W/48" T8 2nd Recessed Parabolic	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0	0	0	\$0.0	0.0	0	\$0.0	\$0.0
33	Leona Valley	Main	Hallway	Restroom	Ceiling Dual	Restroom	2L 28W/48" T8 1st Ceiling Mount Parabolic	3	50	2,000	0.1	272	\$46.4	No Change	3	50	1,610	0.1	217	\$42.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	\$0.0
34	Leona Valley	Main	Custodial	Office (Principal)	Ceiling Dual	Office (Principal)	2L 28W/48" T8 1st Ceiling Mount WA	4	50	2,350	0.2	469	\$82.1	No Change	4	50	2,200	0.2	366	\$70.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	\$0.0
35	Leona Valley	Main	211	Class (Elementary)	Ceiling IR	Class (Elementary)	2L 28W/48" T8 2nd Recessed Parabolic	12	50	1,171	0.5	\$32	\$142.2	No Change	12	50	1,171	0.5	832	\$142.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	\$0.0
36	Leona Valley	Main	212	Break	Ceiling IR	Break	2L 28W/48" T8 2nd Recessed Parabolic	12	50	400	0.5	218	\$91.2	No Change	12	50	400	0.5	218	\$91.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	\$0.0

LIGHTING ANALYSIS

Westside Union School District

Leona Valley

#	Facility	Bldg	Bldg Type	Replacement Type LED Survey				Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Lighting				Sensor				Total Energy				Maint Cost Savings
				Room	Area Type	Sensor Type	KW Savings															KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings					
37	Leona Valley	Main		Halfway	Restroom	Add Ceiling Duct	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	3	50	2,013	0.1	272	\$49.4	No Change	3	50	1,610	0.1	217	\$42.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
38	Leona Valley	Cafeteria		Main	Dining	Add Ceiling Duct	2L 17W 24" T8 2x2 Ceiling Mount Opalque	28	33	2,013	0.8	1,674	\$304.6	No Change	28	33	1,610	0.8	1,338	\$263.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
39	Leona Valley	Cafeteria		Main	Dining	Add Ceiling Duct	2L 26W CF Tri N/A Wall Pack Clear	2	52	2,013	0.1	188	\$34.3	No Change	2	52	1,610	0.1	151	\$28.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
40	Leona Valley	Cafeteria		Stage	Misc	N/A	1L 150W Incand PAR N/A Flood Prismatic	7	150	366	0.9	348	\$155.7	No Change	7	150	366	0.9	346	\$155.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
41	Leona Valley	Cafeteria		Stage	Misc	N/A	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	21	50	366	0.8	346	\$155.7	No Change	21	50	366	0.8	346	\$155.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
42	Leona Valley	Cafeteria		Stage	Storage	Add Ceiling Duct	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	163	0.1	16	\$12.8	No Change	2	50	146	0.1	13	\$12.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
43	Leona Valley	Main		Main	Storage	Add Ceiling Duct	1L 28W 48" T8 1x4 Strip N/A	1	25	163	0.0	4	\$3.2	No Change	1	25	146	0.0	3	\$3.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
44	Leona Valley	Main		Main	Storage	Add Ceiling Duct	1L 28W 48" T8 1x4 Strip N/A	1	25	163	0.0	4	\$3.2	No Change	1	25	146	0.0	3	\$3.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
45	Leona Valley	Main		Campus	Exit		1L 4W LED N/A Exit N/A	1	4	8,736	0.0	31	\$4.3	No Change	1	4	8,736	0.0	31	\$4.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
46	Leona Valley	Main		Campus	Exit		2L 5W LED N/A Exit N/A	5	10	8,736	0.0	383	\$53.5	No Change	5	10	8,736	0.0	293	\$53.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0					
47	Leona Valley	Exterior		Campus	Exterior		2L 26W CF Twin N/A Ceiling Mount N/A	23	52	4,368	1.1	4,702	\$575.1	1L 20W LED Ceiling Mount	23	20	4,368	0.4	1,808	\$221.2	0.7	2,893	\$353.9	0.0	0	\$0.0	0.7	2,893	\$353.9	\$175.3				
48	Leona Valley	Exterior		Campus	Exterior		2L 32W CF Flood	3	84	4,368	0.2	755	\$82.3	1L 28W LED Flood	3	28	4,368	0.1	307	\$37.5	0.1	448	\$54.8	0.0	0	\$0.0	0.1	448	\$54.8	\$27.6				
49	Leona Valley	Exterior		Campus	Exterior		1L 13W CF Single N/A Wall Pack Opalque	2	13	4,368	0.0	102	\$12.5	1L 8W LED Wall Pack	2	8	4,368	0.0	63	\$7.7	0.0	39	\$4.8	0.0	0	\$0.0	0.0	39	\$4.8	\$10.8				
50	Leona Valley	Exterior		Campus	Exterior		2L CF Wall Pack Clear	2	52	4,368	0.1	406	\$50.0	1L 34W LED Wall Pack w Motion Sensor	2	34	4,368	0.1	267	\$32.7	0.0	142	\$17.3	0.0	0	\$0.0	0.0	142	\$17.3	\$28.4				
51	Leona Valley	Exterior		Campus	Exterior		2L 26W CF Tri N/A Wall Pack N/A	5	52	4,368	0.2	1,022	\$125.0	1L 34W LED Wall Pack w Motion Sensor	5	34	4,368	0.2	666	\$81.7	0.1	354	\$43.3	0.0	0	\$0.0	0.1	354	\$43.3	\$71.0				
52	Leona Valley	Exterior		Campus	Exterior		4L 54W 48" TS N/A Shoebox N/A	9	234	4,368	1.9	8,279	\$1,012.7	4L 22W 48" HO LED, Direct Wire	9	88	4,368	0.7	3,114	\$380.8	1.2	5,166	\$631.9	0.0	0	\$0.0	1.2	5,166	\$631.9	\$42.5				
53	Leona Valley	Exterior		Campus	Exterior		Emergency Lighting CF Par 6" Can	3	26	4,368	0.1	307	\$37.5	1L 20W LED 6" Recessed Can Retrofit Kit	3	20	4,368	0.1	236	\$28.9	0.0	71	\$8.7	0.0	0	\$0.0	0.0	71	\$8.7	\$11.5				
Total		x				24		316			13.09	30,975	\$5,230		316		12	19,967	\$3,828	3	10,105	\$1,292	0	129	\$16	3	10,234	\$1,309	\$464					

LIGHTING ANALYSIS

Westside Union School District

Quartz Hill

Replacement Type: LED Survey														Proposed														Lighting				Sensor				Total Energy				Maint	
#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings									
1	Quartz Hill	Main		116	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	\$203.9	No Change	16	50	1,171	0.7	843	\$203.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
2	Quartz Hill	Main		116	Hallway	Add Ceiling Dual	1L 13W CF Single N/A Ceiling Mount Opaque	2	13	2,013	0.0	47	\$6.7	No Change	2	13	1,610	0.0	36	\$7.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
3	Quartz Hill	Main		116	Restroom	Add Ceiling Dual	1L 13W CF Single N/A Ceiling Mount Opaque	1	13	2,013	0.0	24	\$4.4	No Change	1	13	1,610	0.0	19	\$3.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
4	Quartz Hill	Main		116	Restroom	Add Ceiling Dual	1L 13W CF Single N/A Ceiling Mount Opaque	1	13	2,013	0.0	24	\$4.4	No Change	1	13	1,610	0.0	19	\$3.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
5	Quartz Hill	Main			Closet	Storage	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	163	0.0	8	\$6.0	No Change	1	50	146	0.0	7	\$7.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
6	Quartz Hill	Main		117	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.8	No Change	12	50	1,171	0.5	632	\$152.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
7	Quartz Hill	Main		117	Hallway	Add Ceiling Dual	1L 13W CF Single N/A Ceiling Mount Opaque	2	13	2,013	0.0	47	\$6.7	No Change	2	13	1,610	0.0	36	\$7.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
8	Quartz Hill	Main		117	Restroom	Add Ceiling Dual	1L 13W CF Single N/A Ceiling Mount Opaque	1	13	2,013	0.0	24	\$4.4	No Change	1	13	1,610	0.0	19	\$3.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
9	Quartz Hill	Main		117	Restroom	Add Ceiling Dual	1L 13W CF Single N/A Ceiling Mount Opaque	1	13	2,013	0.0	24	\$4.4	No Change	1	13	1,610	0.0	19	\$3.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
10	Quartz Hill	Main			Closet	Storage	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	163	0.0	8	\$6.0	No Change	1	50	146	0.0	7	\$7.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
11	Quartz Hill	Main		118	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	\$203.9	No Change	16	50	1,171	0.7	843	\$203.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
12	Quartz Hill	Main			Closet	Storage	2L 28W 48" T8 2x4 Recessed Prismatic	3	50	146	0.1	20	\$23.5	No Change	3	50	146	0.1	20	\$23.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
13	Quartz Hill	Cafeteria	Cafeteria	Drivng	Add Ceiling Dual	4L 28W 48" T8 1x8 Pendant Prismatic	15	99	2,013	1.3	2,690	\$497.8	No Change	15	99	1,610	1.3	2,152	\$440.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0										
14	Quartz Hill	Cafeteria			Closet	Storage	1L 13W CF Single N/A Ceiling Mount N/A	1	13	163	0.0	2	\$2.1	No Change	1	13	146	0.0	2	\$2.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
15	Quartz Hill	Cafeteria		Stage	Class (Elementary)	N/A	1L 13W CF Single N/A Ceiling Mount Opaque	1	13	1,464	0.0	17	\$3.7	No Change	1	13	1,464	0.0	17	\$3.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
16	Quartz Hill	Cafeteria		Stage	Class (Elementary)	N/A	2L 28W 48" T8 1x4 Pendant Prismatic	16	50	1,464	0.7	1,054	\$226.3	No Change	16	50	1,464	0.7	1,054	\$226.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
17	Quartz Hill	Cafeteria		Stage	Class (Elementary)	N/A	1L 100W Halogen N/A Ceiling Mount N/A	4	100	1,464	0.4	527	\$113.1	No Change	4	100	1,464	0.4	527	\$113.1	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
18	Quartz Hill	Cafeteria		Hallway	Kitchen	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	1,610	0.0	72	\$14.8	No Change	1	50	1,610	0.0	72	\$14.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
19	Quartz Hill	Cafeteria		Kitchen	Kitchen	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	10	50	2,013	0.5	906	\$167.6	No Change	10	50	1,610	0.5	725	\$146.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
20	Quartz Hill	Cafeteria		Kitchen	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	163	0.0	8	\$6.0	No Change	1	50	146	0.0	7	\$7.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
21	Quartz Hill	Cafeteria		Closet	Storage	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	3	50	146	0.1	20	\$23.5	No Change	3	50	146	0.1	20	\$23.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
22	Quartz Hill	Cafeteria		Unisex	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	61	\$16.8	No Change	1	50	1,610	0.0	72	\$14.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
23	Quartz Hill	Cafeteria		Unisex	Restroom	Add Ceiling Dual	1L 13W CF Single N/A Ceiling Mount Opaque	1	13	2,013	0.0	24	\$4.4	No Change	1	13	1,610	0.0	19	\$3.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
24	Quartz Hill	Cafeteria		Hallway	Hallway	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	61	\$16.8	No Change	1	50	1,610	0.0	72	\$14.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
25	Quartz Hill	Cafeteria		Boys	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$29.7	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
26	Quartz Hill	Cafeteria		Girls	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$29.7	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
27	Quartz Hill	Main		Girls	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,013	0.1	181	\$33.5	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
28	Quartz Hill	Main		119	Storage	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	163	0.0	8	\$6.0	No Change	1	50	146	0.0	7	\$7.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
29	Quartz Hill	Main		Boys	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,013	0.1	181	\$33.5	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
30	Quartz Hill	Main		120	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$35.3	No Change	2	50	2,200	0.1	198	\$35.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
31	Quartz Hill	Main		121	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	10	50	1,171	0.5	527	\$127.4	No Change	10	50	1,171	0.5	527	\$127.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
32	Quartz Hill	Main		122	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	10	50	1,171	0.5	527	\$127.4	No Change	10	50	1,171	0.5	527	\$127.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
33	Quartz Hill	Main		123	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$35.3	No Change	2	50	2,200	0.1	198	\$35.3	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
34	Quartz Hill	Main		124	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	8	50	1,171	0.4	422	\$101.9	No Change	8	50	1,171	0.4	422	\$101.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
35	Quartz Hill	Main		125	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	4	50	1,171	0.2	211	\$51.0	No Change	4	50	1,171	0.2	211	\$51.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
36	Quartz Hill	Main			Staff	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$29.7	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0								

LIGHTING ANALYSIS

Westside Union School District

Quartz Hill

Replacement Type LED Survey														Proposed														Lighting				Sensor				Total Energy				Maint	
#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type Add Ceiling Dual	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KWH Savings	KWH Savings	Cost Savings	KWH Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings									
37	Quartz Hill	Main		Closet	Storage		2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$7.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
38	Quartz Hill	Main		Gifts	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$29.7	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
39	Quartz Hill	Main		126	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
40	Quartz Hill	Main		127	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
41	Quartz Hill	Main		128	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
42	Quartz Hill	Main		Gifts	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,013	0.1	181	\$33.5	No Change	2	50	1,610	0.1	145	\$28.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
43	Quartz Hill	Main		129	Storage	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$7.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
44	Quartz Hill	Main		Boys	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,013	0.1	181	\$33.5	No Change	2	50	1,610	0.1	145	\$28.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
45	Quartz Hill	Main		130	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
46	Quartz Hill	Main		131	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
47	Quartz Hill	Main		132	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
48	Quartz Hill	Portable		136	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
49	Quartz Hill	Portable		135	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
50	Quartz Hill	Portable		134	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
51	Quartz Hill	Portable		133	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
52	Quartz Hill	Main		115	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	\$203.9	No Change	16	50	1,171	0.7	843	\$203.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
53	Quartz Hill	Main		115	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	91	\$16.6	No Change	1	50	1,610	0.0	72	\$14.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
54	Quartz Hill	Main		115	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$7.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
55	Quartz Hill	Admin		Office	Office (Open)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	9	50	2,200	0.4	891	\$156.9	2L 15W 48" Tube LED, Direct Wire	9	30	2,200	0.2	536	\$95.3	0.2	356	\$63.6	0.0	0	\$0.0	0.2	356	\$63.6	\$25.8											
56	Quartz Hill	Admin		Staff Lounge	Lobby	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,610	0.5	870	\$178.1	2L 15W 48" Tube LED, Direct Wire	12	30	1,610	0.3	522	\$106.9	0.2	348	\$71.2	0.0	0	\$0.0	0.2	348	\$71.2	\$34.4											
57	Quartz Hill	Admin		Restroom	Hallway	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	91	\$16.6	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.9	0.0	38	\$6.7	0.0	11	\$1.2	0.0	47	\$7.9	\$2.9											
58	Quartz Hill	Admin		Women's	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$29.7	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$17.8	0.0	58	\$11.9	0.0	0	\$0.0	0.0	58	\$11.9	\$5.7											
59	Quartz Hill	Admin		Men's	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$29.7	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$17.8	0.0	58	\$11.9	0.0	0	\$0.0	0.0	58	\$11.9	\$5.7											
60	Quartz Hill	Admin		Supply Room	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	3	50	183	0.1	25	\$24.1	2L 15W 48" Tube LED, Direct Wire	3	30	146	0.1	12	\$14.1	0.1	10	\$8.6	0.0	3	\$0.3	0.1	13	\$9.9	\$8.6											
61	Quartz Hill	Admin		Nurse	Office (Private)	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	4	50	2,200	0.2	396	\$70.5	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$42.4	0.1	158	\$28.3	0.0	0	\$0.0	0.1	158	\$28.3	\$11.5											
62	Quartz Hill	Admin		Nurse	Restroom	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	1	50	1,610	0.0	72	\$14.8	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$8.9	0.0	29	\$5.9	0.0	0	\$0.0	0.0	29	\$5.9	\$2.9											
63	Quartz Hill	Admin		Vice Principal	Office (Private)	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$35.3	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$21.2	0.0	79	\$14.1	0.0	0	\$0.0	0.0	79	\$14.1	\$5.7											
64	Quartz Hill	Admin		Principal's	Office (Private)	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	4	50	2,200	0.2	396	\$70.6	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$42.4	0.1	158	\$28.3	0.0	0	\$0.0	0.1	158	\$28.3	\$11.5											
65	Quartz Hill	Portable		212	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
66	Quartz Hill	Portable		211	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	10	50	1,171	0.5	527	\$127.4	No Change	10	50	1,171	0.5	527	\$127.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
67	Quartz Hill	Portable		210	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	10	50	1,171	0.5	527	\$127.4	No Change	10	50	1,171	0.5	527	\$127.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
68	Quartz Hill	Portable		209	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
69	Quartz Hill	Portable		208	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
70	Quartz Hill	Portable		207	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
71	Quartz Hill	Portable		206	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									
72	Quartz Hill	Portable		205	Class (Elementary)	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	\$152.9	No Change	12	50	1,171	0.5	632	\$152.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0									

LIGHTING ANALYSIS

Westside Union School District

Quartz Hill

#	Facility	Bldg	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Lighting			Sensor			Total Energy		
																		KWH	Cost	KWH Savings	Cost Savings	KWH Savings	Cost Savings	KWH Savings	Cost Savings	
73	Quartz Hill	Portable	204	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
74	Quartz Hill	Portable	203	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
75	Quartz Hill	Portable	202	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
76	Quartz Hill	Portable	201	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
77	Quartz Hill	Main	103	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
78	Quartz Hill	Main	102	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
79	Quartz Hill	Main	101	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
80	Quartz Hill	Main	Restroom	Hallway	Add Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	1	50	2,013	0.0	\$16.8	No Change	1	50	1,610	0.0	78	\$14.8	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
81	Quartz Hill	Main	Boys	Restroom	Wall R	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	\$29.7	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
82	Quartz Hill	Main	Girls	Restroom	Wall R	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	\$29.7	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
83	Quartz Hill	Main	104	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
84	Quartz Hill	Main	105	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
85	Quartz Hill	Main	106	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
86	Quartz Hill	Main	Storage	Storage	Add Ceiling Dual	1L 20W CF Single NA Ceiling Mount NA	1	20	146	0.0	\$3.2	No Change	1	20	146	0.0	3	\$3.1	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
87	Quartz Hill	Main	100	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
88	Quartz Hill	Main	108	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
89	Quartz Hill	Main	107	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
90	Quartz Hill	Main	110	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
91	Quartz Hill	Main	111	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
92	Quartz Hill	Main	112	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
93	Quartz Hill	Main	112	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	\$32	No Change	12	50	1,171	0.5	\$32	\$152.9	0	0	\$50.0	0	0	\$0.0	0	\$0.0
94	Quartz Hill	Main	Girls	Restroom	Wall R	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	2	50	1,610	0.1	\$29.7	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
95	Quartz Hill	Main	Boys	Restroom	Wall R	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	3	50	1,610	0.1	\$27.7	No Change	3	50	1,610	0.1	217	\$44.5	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
96	Quartz Hill	Main	Cubical	Storage	Wall R	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	1	50	146	0.0	\$7.2	No Change	1	50	146	0.0	7	\$7.8	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
97	Quartz Hill	Main	Staff	Restroom	Add Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Optique	2	50	2,013	0.1	\$33.5	No Change	2	50	1,610	0.1	145	\$29.7	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
98	Quartz Hill	Main	Restroom	Storage	Add Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Optique	2	50	143	0.1	\$16.0	No Change	2	50	146	0.1	13	\$15.7	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
99	Quartz Hill	Main	113	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	20	50	1,171	0.8	\$264.6	No Change	20	50	1,171	0.8	1,054	\$264.9	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
100	Quartz Hill	Library	114	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	19	50	1,171	0.8	\$262.1	No Change	19	50	1,171	0.8	1,001	\$242.1	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
101	Quartz Hill	Main	Campus	Ext		1L 40W LED NA Ext NA	3	4	8,736	0.0	\$11.7	No Change	3	4	8,736	0.0	84	\$16.7	0.0	0	\$50.0	0	0	\$0.0	0	\$0.0
102	Quartz Hill	Entrance	Campus	Entrance		2L 13W CF Single NA Wall Pack NA	6	26	4,368	0.2	\$68.8	No Change	6	14	4,368	0.1	449	\$46.7	0.1	377	\$40.0	0	0	\$0.0	0.1	\$27.4
103	Quartz Hill	Entrance	Campus	Entrance		2L 20W CF Twin NA Wall Pack NA	3	48	4,368	0.1	\$62.1	No Change	3	19	4,368	0.1	224	\$23.8	0.1	342	\$35.3	0	0	\$0.0	0.1	\$26.3
104	Quartz Hill	Entrance	Campus	Entrance		2L 20W CF Twin NA Wall Pack NA	9	52	4,368	0.4	\$186.2	No Change	9	34	4,368	0.3	1,293	\$127.7	0.1	637	\$67.6	0	0	\$0.0	0.1	\$26.3
105	Quartz Hill	Entrance	Campus	Entrance		1L 20W CF Single NA Wall Pack NA	7	23	4,368	0.1	\$67.2	No Change	7	14	4,368	0.1	395	\$40.9	0.1	248	\$25.3	0	0	\$0.0	0.1	\$26.3
106	Quartz Hill	Entrance	Campus	Entrance		1L 13W CF Single NA Wall Pack NA	30	13	4,368	0.4	\$162.7	No Change	30	8	4,368	0.2	943	\$100.1	0.1	590	\$65.6	0	0	\$0.0	0.1	\$26.3
Total		x			30		756	32.00	46,043	28,936			756	32	41,513	\$3,341	2	3,489	\$485	0	0	\$0.0	0	0	\$0.0	

LIGHTING ANALYSIS

Westside Union School District

Rancho Vista

Reduction Type: LED Bulb Type																						
#	Facility	Blgd	Blgd Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Hours / Fixture	KW	Cost	Proposed Fixture Description	Fixture Qty.	Hours / Fixture	KW	Cost	Lighting kWh Savings	Cost Savings	Total Energy kWh Savings	Cost Savings	Net Savings	
1	Rancho Vista	Portable		132	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	3252.8	20	50	1,171	0.9	1,054	3254.8	0.0	0	\$10.0
2	Rancho Vista	Portable		131	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	3252.8	20	50	1,171	0.9	1,054	3254.8	0.0	0	\$10.0
3	Rancho Vista	Portable		130	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	3252.8	20	50	1,171	0.9	1,054	3254.8	0.0	0	\$10.0
4	Rancho Vista	Portable		129	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	3252.8	20	50	1,171	0.9	1,054	3254.8	0.0	0	\$10.0
5	Rancho Vista	Portable		128	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	3252.8	20	50	1,171	0.9	1,054	3254.8	0.0	0	\$10.0
6	Rancho Vista	Portable		127	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Prismatic	20	50	1,464	0.9	1,318	3252.8	20	50	1,171	0.9	1,054	3254.8	0.0	0	\$10.0
7	Rancho Vista	Portable		117	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
8	Rancho Vista	Portable		116	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
9	Rancho Vista	Portable		119	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
10	Rancho Vista	Portable		120	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	10	50	1,171	0.5	527	1327.4	10	50	1,171	0.5	527	1327.4	0.0	0	\$10.0
11	Rancho Vista	Portable		121	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	10	50	1,171	0.5	527	1327.4	10	50	1,171	0.5	527	1327.4	0.0	0	\$10.0
12	Rancho Vista	Portable		122	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
13	Rancho Vista	Portable		116	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
14	Rancho Vista	Portable		115	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
15	Rancho Vista	Portable		114	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
16	Rancho Vista	Portable		113	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
17	Rancho Vista	Portable		112	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
18	Rancho Vista	Portable		Boy's	Restroom	Area Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	2	50	2,013	0.1	181	335.5	2	50	1,610	0.1	145	3237.0	0.0	0	\$10.0
19	Rancho Vista	Portable		Staff	Restroom	Area Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	1	50	2,013	0.0	91	161.6	1	50	1,610	0.0	71	1144.6	0.0	0	\$10.0
20	Rancho Vista	Portable		Girls	Restroom	Area Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	2	50	2,013	0.1	181	335.5	2	50	1,610	0.1	145	3237.0	0.0	0	\$10.0
21	Rancho Vista	Main		109	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
22	Rancho Vista	Main		110	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
23	Rancho Vista	Main		111	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
24	Rancho Vista	Portable		Girls	Restroom	Area Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Opaque	3	50	2,013	0.1	272	550.3	3	50	1,610	0.1	217	3444.5	0.0	0	\$10.0
25	Rancho Vista	Portable		Boy's	Restroom	Area Ceiling Dual	2L 20W 48" T8 1x4 Ceiling Mount Opaque	3	50	2,013	0.1	272	550.3	3	50	1,610	0.1	217	3444.5	0.0	0	\$10.0
26	Rancho Vista	Main		108	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
27	Rancho Vista	Main		107	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
28	Rancho Vista	Main		106	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
29	Rancho Vista	Main		103	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
30	Rancho Vista	Main		104	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
31	Rancho Vista	Main		105	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	16	50	1,171	0.7	843	3203.9	16	50	1,171	0.7	843	3203.9	0.0	0	\$10.0
32	Rancho Vista	Portable		133	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	560	1462.2	11	50	1,171	0.5	560	1462.2	0.0	0	\$10.0
33	Rancho Vista	Portable		133	Restroom	Area Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	1	50	2,013	0.0	91	161.6	1	50	1,610	0.0	71	1144.6	0.0	0	\$10.0
34	Rancho Vista	Portable		134	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
35	Rancho Vista	Portable		125	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0
36	Rancho Vista	Portable		136	Class (Elementary)	Class Ceiling Dual	2L 20W 48" T8 2x4 Recessed Prismatic	12	50	1,171	0.5	632	1525.9	12	50	1,171	0.5	632	1525.9	0.0	0	\$10.0

Rancho Vista

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LIGHTING ANALYSIS

Westside Union School District

Sundown

LED Survey																Proposed										Lighting				Sensor				Total Energy				Maint	
#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings							
1	Sundown	Main		101	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
2	Sundown	Main		101	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,200	0.0	99	\$17.8	No Change	1	50	2,200	0.0	99	\$17.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
3	Sundown	Main		103	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
4	Sundown	Main		Roof Access	Elect/Mech	Add Ceiling Dual	2L 23W CF Single N/A Wall Mount N/A	1	48	163	0.0	8	\$8.7	No Change	1	48	146	0.0	6	\$8.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
5	Sundown	Main		105	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
6	Sundown	Main		102	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
7	Sundown	Main		102	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,200	0.0	99	\$17.8	No Change	1	50	2,200	0.0	99	\$17.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
8	Sundown	Main		102	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
9	Sundown	Main		Boys	Restroom	Add Ceiling Dual	2L 28W CF Twin N/A Recessed N/A	2	52	2,013	0.1	188	\$35.3	No Change	2	52	1,610	0.1	151	\$31.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
10	Sundown	Main		Boys	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	4	50	2,013	0.2	362	\$67.9	No Change	4	50	1,610	0.2	290	\$60.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
11	Sundown	Main		Girls	Restroom	Add Ceiling Dual	2L 28W CF Twin N/A Recessed N/A	2	52	2,013	0.1	188	\$35.3	No Change	2	52	1,610	0.1	151	\$31.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
12	Sundown	Main		Girls	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	4	50	2,013	0.2	362	\$67.9	No Change	4	50	1,610	0.2	290	\$60.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
13	Sundown	Main		Custodial	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	163	0.0	8	\$9.0	No Change	1	50	146	0.0	7	\$8.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
14	Sundown	Main		Girls	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	4	50	2,013	0.2	362	\$67.9	No Change	4	50	1,610	0.2	290	\$60.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
15	Sundown	Main		107	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
16	Sundown	Main		107	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,200	0.0	99	\$17.8	No Change	1	50	2,200	0.0	99	\$17.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
17	Sundown	Main		109	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
18	Sundown	Main		106	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
19	Sundown	Main		106	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	2,200	0.0	99	\$17.8	No Change	1	50	2,200	0.0	99	\$17.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
20	Sundown	Main		108	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Parabolic 27C	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
21	Sundown	Main		111	Break	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	12	50	400	0.5	216	\$119.6	No Change	12	50	400	0.5	216	\$119.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
22	Sundown	Main		Roof Access	Elect/Mech	Add Ceiling Dual	2L 23W CF Single N/A Wall Mount N/A	1	48	163	0.0	8	\$8.7	No Change	1	48	146	0.0	6	\$8.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
23	Sundown	Main		Women's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
24	Sundown	Main		Men's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
25	Sundown	Main		Boys	Restroom	Add Ceiling Dual	2L 28W CF Twin N/A Recessed N/A	2	52	2,013	0.1	188	\$35.3	No Change	2	52	1,610	0.1	151	\$31.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
26	Sundown	Main		Boys	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	4	50	2,013	0.2	362	\$67.9	No Change	4	50	1,610	0.2	290	\$60.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
27	Sundown	Main		Girls	Restroom	Add Ceiling Dual	2L 28W CF Twin N/A Recessed N/A	2	52	2,013	0.1	188	\$35.3	No Change	2	52	1,610	0.1	151	\$31.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
28	Sundown	Main		Girls	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	4	50	2,013	0.2	362	\$67.9	No Change	4	50	1,610	0.2	290	\$60.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
29	Sundown	Main		Custodial	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	163	0.0	8	\$9.0	No Change	1	50	146	0.0	7	\$8.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
30	Sundown	Cafeteria		Main	Dining	Wall IR	4L 28W 48" T8 1x8 Pendant Parabolic 12C	42	99	1,610	3.7	6,026	\$1,266.5	No Change	42	99	1,610	3.7	6,026	\$1,266.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
31	Sundown	Cafeteria		Main	Dining	Add Ceiling Dual	2L 28W 48" T8 1x8 Wall Mount Parabolic 25C	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
32	Sundown	Cafeteria		Main	Kitchen	N/A	2L 28W 48" T8 1x4 Ceiling Mount Opaque	2	50	2,013	0.1	181	\$34.0	No Change	2	50	2,013	0.1	181	\$34.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
33	Sundown	Cafeteria		Main	Kitchen	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	12	50	1,610	0.5	870	\$182.8	No Change	12	50	1,610	0.5	870	\$182.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
34	Sundown	Cafeteria		Main	Kitchen	N/A	2L 28W 48" T8 1x4 Ceiling Mount Opaque	3	50	2,013	0.1	272	\$59.9	No Change	3	50	2,013	0.1	272	\$59.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
35	Sundown	Cafeteria		Kitchen	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							
36	Sundown	Cafeteria		Kitchen	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	163	0.0	8	\$9.0	No Change	1	50	146	0.0	7	\$8.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0							

LIGHTING ANALYSIS

Westside Union School District

Sundown

Replacement Type LED Survey														Proposed														Lighting				Sensor				Total Energy				Maint
#	Facility	Bldg	Wing Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings											
37	Sundown	Cafeteria		Kitchen	Storage	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	4	50	146	0.2	26	\$35.5	No Change	4	50	146	0.2	26	\$35.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
38	Sundown	Cafeteria		Main	Dining	N/A	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$17.0	No Change	1	50	2,013	0.0	91	\$17.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
39	Sundown	Main		Stage	Halfway	Add Ceiling Dual	2L 28W 48" T8 1x4 Wrap Prismatic	2	50	2,013	0.1	181	\$34.0	No Change	2	50	1,610	0.1	145	\$30.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
40	Sundown	Main		Stage	Misc	N/A	2L 28W 48" T8 2x4 Recessed Prismatic	8	50	366	0.4	132	\$78.8	No Change	8	50	366	0.4	132	\$78.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
41	Sundown	Main		Stage	Halfway	Add Ceiling Dual	2L 28W 48" T8 1x4 Wrap Prismatic	2	50	2,013	0.1	181	\$34.0	No Change	2	50	1,610	0.1	145	\$30.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
42	Sundown	Main		Stage	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	183	0.1	16	\$18.1	No Change	2	50	146	0.1	13	\$17.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
43	Sundown	Main		113	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	15	50	1,171	0.7	791	\$198.8	No Change	15	50	1,171	0.7	791	\$198.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
44	Sundown	Main		113	Class (Elementary)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	3	50	1,171	0.1	158	\$40.0	No Change	3	50	1,171	0.1	158	\$40.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
45	Sundown	Main		113	Halfway	Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	1,610	0.1	145	\$30.5	No Change	2	50	1,610	0.1	145	\$30.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
46	Sundown	Main		113	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
47	Sundown	Main		113	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
48	Sundown	Main		115	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	15	50	1,171	0.7	791	\$198.8	No Change	15	50	1,171	0.7	791	\$198.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
49	Sundown	Main		115	Halfway	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	3	50	2,013	0.1	272	\$50.8	No Change	3	50	1,610	0.1	217	\$45.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
50	Sundown	Main		Roof Access	Elect/Mech	Add Ceiling Dual	2L 23W CF Single N/A Wall Mount N/A	1	48	183	0.0	8	\$8.7	No Change	1	48	146	0.0	6	\$8.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
51	Sundown	Library		110	Class (Elementary)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	9	50	1,171	0.4	474	\$118.9	No Change	9	50	1,171	0.4	474	\$118.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
52	Sundown	Library		110	Class (Elementary)	Ceiling IR	2L 28W 48" T8 1x4 Recessed Prismatic	11	50	1,171	0.5	580	\$146.5	No Change	11	50	1,171	0.5	580	\$146.5	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
53	Sundown	Library		110	Class (Elementary)	Ceiling IR	1L 23W CF Single N/A Recessed Prismatic	5	23	1,171	0.1	121	\$30.6	No Change	5	23	1,171	0.1	121	\$30.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
54	Sundown	Library		110	Class (Elementary)	Ceiling IR	4L 28W 48" T8 1x8 Wall Mount Parabolic 25C	8	99	1,171	0.7	835	\$211.0	No Change	8	99	1,171	0.7	835	\$211.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
55	Sundown	Library		Main	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$35.6	No Change	2	50	2,200	0.1	198	\$35.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
56	Sundown	Library		Main	Storage	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	146	0.1	13	\$17.7	No Change	2	50	146	0.1	13	\$17.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
57	Sundown	Main		Network	Elect/Mech	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	2	50	183	0.1	16	\$18.1	No Change	2	50	146	0.1	13	\$17.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
58	Sundown	Main		112	Office (Private)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	6	50	2,200	0.3	594	\$106.8	No Change	6	50	2,200	0.3	594	\$106.8	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
59	Sundown	Main		114	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	188	\$35.6	No Change	2	50	2,200	0.1	188	\$35.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
60	Sundown	Main		116	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	188	\$35.6	No Change	2	50	2,200	0.1	188	\$35.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
61	Sundown	Main		Custodian	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$8.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
62	Sundown	Main		Men's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
63	Sundown	Main		Women's	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
64	Sundown	Main		Office (Open)	Office (Private)	Ceiling IR	2L 28W 48" T8 2x4 Recessed Prismatic	5	50	2,200	0.2	495	\$89.0	No Change	5	50	2,200	0.2	495	\$89.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
65	Sundown	Main		Assistant Principal	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$35.6	No Change	2	50	2,200	0.1	198	\$35.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
66	Sundown	Main		Principal	Office (Private)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,750	0.1	248	\$40.4	No Change	2	50	2,200	0.1	198	\$35.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
67	Sundown	Main		Storage	Storage	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount N/A	1	50	183	0.0	8	\$8.0	No Change	1	50	146	0.0	7	\$8.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
68	Sundown	Main		Principal	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$35.6	No Change	2	50	2,200	0.1	198	\$35.6	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
69	Sundown	Main		Nurse	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	3	50	2,200	0.1	207	\$53.4	No Change	3	50	2,200	0.1	207	\$53.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
70	Sundown	Main		Nurse	Restroom	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Opaque	1	50	2,013	0.0	91	\$17.0	No Change	1	50	1,610	0.0	72	\$15.2	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
71	Sundown	Admin		Main	Lobby	Ceiling IR	2L 28W 48" T8 1x4 Ceiling Mount Opaque	4	50	1,610	0.2	290	\$60.9	No Change	4	50	1,610	0.2	290	\$60.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											
72	Sundown	Admin		Main	Halfway	Add Ceiling Dual	2L 28W 48" T8 1x4 Recessed Prismatic	4	50	2,013	0.2	362	\$67.9	No Change	4	50	1,610	0.2	200	\$60.9	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0											

LIGHTING ANALYSIS

Westside Union School District

Sundown

Replacement Type: LED
Survey

Facility	Building	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	kWh	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	kWh	Cost	Lighting kWh Savings	Sensor kWh Savings	Total Energy kWh Savings	Cost Savings	Mean Cost Savings
73	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
74	Sundown	Main	Office (Private)	Wall IR	2L 20W 48" T8 34" Recessed Plumatic	1	50	2,200	0.0	\$9	\$17.8	No Change	1	50	2,200	0.0	\$9	\$17.8	0.0	\$0.0	\$0.0
75	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
76	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
77	Sundown	Main	Office (Private)	Wall IR	2L 20W 48" T8 34" Recessed Plumatic	1	50	2,200	0.0	\$9	\$17.8	No Change	1	50	2,200	0.0	\$9	\$17.8	0.0	\$0.0	\$0.0
78	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
79	Sundown	Main	Storage	Ceiling Dual	2L 20W 48" T8 1st Ceiling Mount NA	1	50	143	0.0	6	\$8.0	No Change	1	50	146	0.0	7	\$4.6	0.0	\$0.0	\$0.0
80	Sundown	Main	Restroom	Ceiling Dual	2L 20W 48" T8 1st Ceiling Mount NA	1	50	2,013	0.0	\$1	\$17.0	No Change	1	50	1,910	0.0	72	\$15.2	0.0	\$0.0	\$0.0
81	Sundown	Main	Restroom	Ceiling Dual	2L 20W CF Twin NA Recessed NA	2	52	2,013	0.1	168	\$25.3	No Change	2	52	1,610	0.1	151	\$31.7	0.0	\$0.0	\$0.0
82	Sundown	Main	Restroom	Ceiling Dual	2L 20W CF Twin NA Recessed NA	4	50	2,013	0.2	382	\$67.9	No Change	4	50	1,610	0.2	260	\$50.9	0.0	\$0.0	\$0.0
83	Sundown	Main	Restroom	Ceiling Dual	2L 20W CF Twin NA Recessed NA	2	52	2,013	0.1	168	\$25.3	No Change	2	52	1,610	0.1	151	\$31.7	0.0	\$0.0	\$0.0
84	Sundown	Main	Restroom	Ceiling Dual	2L 20W CF Twin NA Recessed NA	4	50	2,013	0.2	382	\$67.9	No Change	4	50	1,610	0.2	260	\$50.9	0.0	\$0.0	\$0.0
85	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
86	Sundown	Main	Office (Private)	Wall IR	2L 20W 48" T8 34" Recessed Plumatic	1	50	2,200	0.0	\$9	\$17.8	No Change	1	50	2,200	0.0	\$9	\$17.8	0.0	\$0.0	\$0.0
87	Sundown	Main	Biotech	Ceiling Dual	2L 23W CF Single NA Wall Mount NA	1	48	143	0.0	6	\$8.7	No Change	1	48	146	0.0	6	\$4.5	0.0	\$0.0	\$0.0
88	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
89	Sundown	Main	Office (Private)	Wall IR	2L 20W 48" T8 34" Recessed Plumatic	1	50	2,200	0.0	\$9	\$17.8	No Change	1	50	2,200	0.0	\$9	\$17.8	0.0	\$0.0	\$0.0
90	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
91	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
92	Sundown	Main	Office (Private)	Wall IR	2L 20W 48" T8 34" Recessed Plumatic	1	50	2,200	0.0	\$9	\$17.8	No Change	1	50	2,200	0.0	\$9	\$17.8	0.0	\$0.0	\$0.0
93	Sundown	Main	Class (Elementary)	Ceiling IR	2L 20W 48" T8 34" Recessed Plumatic	11	50	1,171	0.5	\$40	\$146.5	No Change	11	50	1,171	0.5	\$40	\$146.5	0.0	\$0.0	\$0.0
94	Sundown	Main	Storage	Ceiling Dual	2L 20W 48" T8 1st Ceiling Mount NA	2	50	143	0.1	16	\$18.1	No Change	2	50	146	0.1	13	\$12.7	0.0	\$0.0	\$0.0
95	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
96	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
97	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
98	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
99	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
100	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
101	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
102	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
103	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
104	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
105	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
106	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
107	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0
108	Sundown	Portable	Class (Elementary)	Ceiling Dual	2L 20W 48" T8 34" Recessed Plumatic	12	50	1,171	0.5	632	\$158.9	No Change	12	50	1,171	0.5	632	\$158.9	0.0	\$0.0	\$0.0

WEEKSIDE UNION SCHOOL DISTRICT

LIGHTING ANALYSIS

Valley View

Survey Type	Room	Area Type	Sensor Type	Full Description	Future				Proposed				Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					Watts / Fixture	Hours	KWH	Cost	Watts / Fixture	Hours	KWH	Cost																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Office Lobby	Office Lobby	Lobby	ceiling IR	2L 28W 48" T8 2x4 recessed fluorescent	6	50	1,610	0.3	455	\$78.1	2L 15W 48" T8 2x4 LED, Direct Wide	6	30	1,610	0.2	201	\$46.9	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0.0	0.1	174	\$31.2	0.0	0	\$0

LIGHTING ANALYSIS

Westside Union School District

Valley View

Replacement Type: LED		Room		Area Type	Sensor Type	Full Description	Fixture Qty	Watts/Fixture	Hours	KWH	Cost	Proposed Fixture Description	Fixture Qty	Watts/Fixture	Hours	KWH	Cost	Lighting Savings	Sensor Cost Savings	KWH Savings	Total Energy Cost Savings	KWH Savings	Cost Savings	Net Cost Savings
#	Facility	Building	Room																					
37	Valley View	Main	10	Class (Benchmark)	Ceiling IR	2L 28W/48" T8 2x4 Recessed Prismatic	16	50 1,171	0.7	843	\$182.7	No Change	16	50 1,171	0.7	843	\$182.7	0.0	0	0	\$0.0	0	\$0.0	\$0.0
38	Valley View	Main	Class	Storage	Adaptive Ceiling Control Dual	2L 13W CF Single 1x4 Ceiling Mount Prismatic	1	31 148	0.0	5	\$4.8	No Change	1	31 148	0.0	5	\$4.8	0.0	0	0	\$0.0	0	\$0.0	\$0.0
39	Valley View	Main	910 Office	Office (Private)	Adaptive Ceiling Control Dual	2L 28W/48" T8 2x4 Ceiling Mount Prismatic	4	50 2,200	0.2	495	\$88.7	No Change	4	50 2,200	0.2	495	\$88.7	0.0	0	0	\$0.0	0	\$0.0	\$0.0
40	Valley View	Main	17	Class (Benchmark)	Wall IR	2L 28W/48" T8 1x4 Ceiling Mount Prismatic	6	50 1,171	0.3	316	\$66.5	No Change	6	50 1,171	0.3	316	\$66.5	0.0	0	0	\$0.0	0	\$0.0	\$0.0
41	Valley View	Main	Class	Storage	Adaptive Ceiling Control Dual	1L 23W CF Single 1x4 Wall Mount NA	1	23 148	0.0	4	\$1.6	No Change	1	23 148	0.0	4	\$1.6	0.0	0	0	\$0.0	0	\$0.0	\$0.0
42	Valley View	Main	Class	Storage	Adaptive Ceiling Control Dual	2L 30W CF Twin 1x4 Wall Mount Clear	1	84 148	0.1	11	\$10.0	No Change	1	84 148	0.1	11	\$10.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
43	Valley View	Calculus	Calculus	Dining	NA	2L 28W/48" T8 1x4 V-Wrap Prismatic	24	50 2,013	1.1	2,174	\$247.6	No Change	24	50 2,013	1.1	2,174	\$247.6	0.0	0	0	\$0.0	0	\$0.0	\$0.0
44	Valley View	Calculus	Stage	Misc	NA	1L 150W Halogen NA Ceiling Mount NA	5	150 366	0.7	247	\$127.3	No Change	5	150 366	0.7	247	\$127.3	0.0	0	0	\$0.0	0	\$0.0	\$0.0
45	Valley View	Calculus	Stage	Class (Benchmark)	NA	2L 28W/48" T8 1x4 V-Wrap Prismatic	6	50 1,664	0.3	395	\$74.9	No Change	6	50 1,664	0.3	395	\$74.9	0.0	0	0	\$0.0	0	\$0.0	\$0.0
46	Valley View	Calculus	Stage	Class (Benchmark)	NA	1L 13W CF Single 1x4 Ceiling Mount NA	4	13 1,464	0.0	69	\$13.0	No Change	4	13 1,464	0.0	69	\$13.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
47	Valley View	Calculus	Stage	Storage	Ceiling Dual	1L 13W CF Single 1x4 Ceiling Mount NA	1	13 148	0.0	2	\$2.0	No Change	1	13 148	0.0	2	\$2.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
48	Valley View	Calculus	Stage	Storage	Ceiling Dual	2L 28W/48" T8 1x4 V-Wrap Prismatic	2	50 148	0.1	16	\$15.8	No Change	2	50 148	0.1	16	\$15.8	0.0	0	0	\$0.0	0	\$0.0	\$0.0
49	Valley View	Calculus	Stage	Storage	Ceiling Dual	2L 28W/48" T8 1x4 Ceiling Mount NA	2	50 148	0.1	16	\$15.8	No Change	2	50 148	0.1	16	\$15.8	0.0	0	0	\$0.0	0	\$0.0	\$0.0
50	Valley View	Calculus	Kitchen	Kitchen	NA	2L 28W/48" T8 1x4 V-Wrap Prismatic	2	50 2,013	0.1	191	\$20.0	No Change	2	50 2,013	0.1	191	\$20.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
51	Valley View	Calculus	Kitchen	Kitchen	NA	2L 28W/48" T8 1x4 Ceiling Mount Obscure	6	50 2,013	0.3	544	\$66.8	No Change	6	50 2,013	0.3	544	\$66.8	0.0	0	0	\$0.0	0	\$0.0	\$0.0
52	Valley View	Calculus	Storage	Kitchen	Ceiling Dual	1L 13W CF Single 1x4 Ceiling Mount NA	1	13 2,013	0.0	24	\$3.8	No Change	1	13 1,910	0.0	19	\$3.4	0.0	0	0	\$0.0	0	\$0.0	\$0.0
53	Valley View	Calculus	Kitchen	Office (Private)	Ceiling Dual	2L 28W/48" T8 1x4 Ceiling Mount Prismatic	2	50 2,250	0.1	248	\$34.3	No Change	2	50 2,200	0.1	199	\$38.3	0.0	0	0	\$0.0	0	\$0.0	\$0.0
54	Valley View	Calculus	Kitchen	Restroom	Wall IR	2L 28W/48" T8 1x4 Ceiling Mount Prismatic	1	50 1,910	0.0	72	\$13.0	No Change	1	50 1,910	0.0	72	\$13.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
55	Valley View	Calculus	Kitchen	Kitchen	NA	1L 60W Incandescent NA Ceiling Mount NA	1	60 2,013	0.1	109	\$17.4	No Change	1	60 2,013	0.1	109	\$17.4	0.0	0	0	\$0.0	0	\$0.0	\$0.0
56	Valley View	Calculus	Kitchen	Kitchen	NA	1L 28W CF Single 1x4 Ceiling Mount Clear	4	20 2,013	0.1	145	\$23.2	No Change	4	20 2,013	0.1	145	\$23.2	0.0	0	0	\$0.0	0	\$0.0	\$0.0
57	Valley View	Main	11	Class (Benchmark)	Ceiling IR	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	622	\$127.0	No Change	12	50 1,171	0.5	622	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
58	Valley View	Main	12	Class (Benchmark)	Ceiling IR	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	622	\$127.0	No Change	12	50 1,171	0.5	622	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
59	Valley View	Main	Class	Storage	Adaptive Ceiling Control Dual	1L 23W CF Single 1x4 Wall Mount NA	4	23 148	0.1	15	\$14.4	No Change	4	23 148	0.1	12	\$14.1	0.0	0	0	\$0.0	0	\$0.0	\$0.0
60	Valley View	Main	13	Class (Benchmark)	Ceiling IR	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	622	\$127.0	No Change	12	50 1,171	0.5	622	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
61	Valley View	Main	14	Class (Benchmark)	Ceiling IR	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	622	\$127.0	No Change	12	50 1,171	0.5	622	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
62	Valley View	Main	Girls	Restroom	Adaptive Ceiling Control Dual	2L 28W/48" T8 1x4 V-Wrap Prismatic	2	50 2,013	0.1	191	\$20.0	No Change	2	50 1,910	0.1	145	\$20.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
63	Valley View	Main	Boys	Restroom	Ceiling Dual	2L 28W/48" T8 1x4 V-Wrap Prismatic	2	50 2,013	0.1	191	\$20.0	No Change	2	50 1,910	0.1	145	\$20.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
64	Valley View	Main	15	Class (Benchmark)	Ceiling IR	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	632	\$127.0	No Change	12	50 1,171	0.5	632	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
65	Valley View	Main	16	Class (Benchmark)	Ceiling IR	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	632	\$127.0	No Change	12	50 1,171	0.5	632	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
66	Valley View	Portable	41	Class (Benchmark)	Ceiling Dual	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	632	\$127.0	No Change	12	50 1,171	0.5	632	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
67	Valley View	Portable	43	Class (Benchmark)	Ceiling Dual	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	632	\$127.0	No Change	12	50 1,171	0.5	632	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
68	Valley View	Portable	42	Class (Benchmark)	Ceiling Dual	2L 28W/48" T8 2x4 Recessed Prismatic	12	50 1,171	0.5	632	\$127.0	No Change	12	50 1,171	0.5	632	\$127.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
69	Valley View	Portable	Girls	Restroom	Adaptive Ceiling Control Dual	2L 28W/48" T8 1x4 Recessed Prismatic	2	50 2,013	0.1	191	\$20.0	No Change	2	50 1,910	0.1	145	\$20.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
70	Valley View	Portable	Boys	Restroom	Adaptive Ceiling Control Dual	2L 28W/48" T8 1x4 Recessed Prismatic	2	50 2,013	0.1	191	\$20.0	No Change	2	50 1,910	0.1	145	\$20.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
71	Valley View	Portable	Unisex	Restroom	Ceiling Dual	2L 28W/48" T8 2x4 Recessed Prismatic	1	50 2,013	0.0	91	\$14.5	No Change	1	50 1,910	0.0	72	\$13.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0
72	Valley View	Portable	Unisex	Restroom	Ceiling Dual	2L 28W/48" T8 2x4 Recessed Prismatic	1	50 2,013	0.0	91	\$14.5	No Change	1	50 1,910	0.0	72	\$13.0	0.0	0	0	\$0.0	0	\$0.0	\$0.0

LIGHTING ANALYSIS

Wheatland Union School District

Valley View

Requestor Type				Survey		LED										Sensor				Total Energy				Main	
#	Facility	Bldg	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts/ Fixture	Hours	KW	KWH	Cost	Future Description	Future Qty.	Watts/ Fixture	Hours	KW	KWH	Cost	KWH Savings	Cost Savings	KWH Savings	Cost Savings		
73	Valley View	Portable	18	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,171	0.5	632	\$137.0	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
74	Valley View	Portable	19	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,171	0.5	632	\$137.0	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
75	Valley View	Portable	20A	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	14	50	1,464	0.6	822	\$174.6	No Change	14	50	1,171	0.6	728	\$159.8	0	\$6.0	0	\$0.0		
76	Valley View	Portable	Office	Office (Private)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	4	50	2,750	0.2	465	\$86.7	No Change	4	50	2,200	0.2	395	\$80.7	0	\$6.0	0	\$0.0		
77	Valley View	Portable	20B	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,464	0.5	761	\$146.6	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
78	Valley View	Portable	21	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	20	50	1,171	0.8	1,054	\$228.3	No Change	20	50	1,171	0.8	1,054	\$228.3	0	\$6.0	0	\$0.0		
79	Valley View	Portable	22	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	20	50	1,171	0.8	1,054	\$228.3	No Change	20	50	1,171	0.8	1,054	\$228.3	0	\$6.0	0	\$0.0		
80	Valley View	Portable	23	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	20	50	1,171	0.8	1,054	\$228.3	No Change	20	50	1,171	0.8	1,054	\$228.3	0	\$6.0	0	\$0.0		
81	Valley View	Portable	24	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	20	50	1,171	0.9	1,054	\$228.3	No Change	20	50	1,171	0.9	1,054	\$228.3	0	\$6.0	0	\$0.0		
82	Valley View	Portable	Girls	Restroom	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	2	50	2,013	0.1	181	\$20.0	No Change	2	50	1,910	0.1	145	\$26.0	0	\$6.0	0	\$0.0		
83	Valley View	Portable	Boys	Restroom	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	2	50	2,013	0.1	181	\$20.0	No Change	2	50	1,910	0.1	145	\$26.0	0	\$6.0	0	\$0.0		
84	Valley View	Portable	Unisex	Restroom	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	1	50	2,013	0.0	91	\$14.5	No Change	1	50	1,910	0.0	72	\$13.0	0	\$6.0	0	\$0.0		
85	Valley View	Portable	Unisex	Restroom	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	1	50	2,013	0.0	91	\$14.5	No Change	1	50	1,910	0.0	72	\$13.0	0	\$6.0	0	\$0.0		
86	Valley View	Portable	25	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	20	50	1,464	0.8	1,318	\$348.7	No Change	20	50	1,171	0.8	1,054	\$238.3	0	\$6.0	0	\$0.0		
87	Valley View	Portable	26	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	20	50	1,464	0.8	1,318	\$348.7	No Change	20	50	1,171	0.8	1,054	\$238.3	0	\$6.0	0	\$0.0		
88	Valley View	Portable	27	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	20	50	1,464	0.8	1,318	\$348.7	No Change	20	50	1,171	0.8	1,054	\$238.3	0	\$6.0	0	\$0.0		
89	Valley View	Portable	28	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	20	50	1,464	0.8	1,318	\$348.7	No Change	20	50	1,171	0.8	1,054	\$238.3	0	\$6.0	0	\$0.0		
90	Valley View	Portable	29	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	20	50	1,464	0.8	1,318	\$348.7	No Change	20	50	1,171	0.8	1,054	\$238.3	0	\$6.0	0	\$0.0		
91	Valley View	Portable	30	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,464	0.5	791	\$148.8	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
92	Valley View	Portable	31	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,464	0.5	791	\$148.8	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
93	Valley View	Portable	32	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,464	0.5	791	\$148.8	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
94	Valley View	Portable	33	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,464	0.5	791	\$148.8	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
95	Valley View	Portable	34	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,464	0.5	791	\$148.8	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
96	Valley View	Portable	35	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,464	0.5	791	\$148.8	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
97	Valley View	Portable	36	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,464	0.5	791	\$148.8	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
98	Valley View	Portable	Girls	Restroom	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	2	50	2,013	0.1	181	\$20.0	No Change	2	50	1,910	0.1	145	\$26.0	0	\$6.0	0	\$0.0		
99	Valley View	Portable	Boys	Restroom	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	2	50	2,013	0.1	181	\$20.0	No Change	2	50	1,910	0.1	145	\$26.0	0	\$6.0	0	\$0.0		
100	Valley View	Portable	Storage	Restroom	Ceiling Dual	2L 13W CF Single NA Ceiling Mount Compact	1	31	2,013	0.0	56	\$6.0	No Change	1	31	1,910	0.0	45	\$8.1	0	\$6.0	0	\$0.0		
101	Valley View	Portable	Unisex	Restroom	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	1	50	2,013	0.0	91	\$14.5	No Change	1	50	1,910	0.0	72	\$13.0	0	\$6.0	0	\$0.0		
102	Valley View	Portable	Unisex	Restroom	Ceiling Dual	2L 20W/48" T8 1x4 Ceiling Mount Fluoresc	1	50	2,013	0.0	91	\$14.5	No Change	1	50	1,910	0.0	72	\$13.0	0	\$6.0	0	\$0.0		
103	Valley View	Portable	40	Class (Elementary)	Ceiling Dual	2L 20W/48" T8 2x4 Recessed Fluoresc	12	50	1,171	0.5	632	\$137.0	No Change	12	50	1,171	0.5	632	\$137.0	0	\$6.0	0	\$0.0		
104	Valley View	Non	Campus	Ent	1L 40W LED NA Ent NA	No Change	3	4	8,756	0.0	94	\$4.4	No Change	3	4	8,756	0.0	94	\$4.4	0	\$6.0	0	\$0.0		
105	Valley View	Senior	Campus	Estimator	4L 20W/22" T5 NA Sheldon NA	4L 11W/22" T5 LED Direct View	6	44	4,366	0.2	1,038	\$188.6	4L 11W/22" T5 LED Direct View	6	44	4,366	0.2	1,038	\$84.0	0.3	\$14.5	\$14.5	\$14.5	\$22.2	
106	Valley View	Senior	Campus	Estimator	1L 120W/48" NA Flood NA	1L 70W/41 LED Flood	1	150	3,368	0.1	590	\$47.7	1L 70W LED Flood	1	70	4,366	0.1	275	\$22.3	0.1	\$34	\$25.5	\$34	\$25.5	
107	Valley View	Senior	Campus	Estimator	1L 70W/48" NA Flood NA	1L 20W/41 LED Flood	3	95	3,368	0.3	1,120	\$90.7	1L 20W LED Flood	3	26	4,366	0.1	207	\$24.8	0.2	\$14	\$65.9	\$14	\$65.9	
108	Valley View	Senior	Campus	Estimator	2L 20W CF 2x4 NA Flood Mount Clear	1L 20W LED 2x4 NA Flood Mount Sensor	23	34	4,366	1.1	4,702	\$355.6	1L 20W LED 2x4 NA Flood Mount Sensor	23	34	4,366	0.7	3,204	\$248.8	0.4	\$1628	\$332.7	\$1628	\$332.6	

LIGHTING ANALYSIS

Westside Union School District

Valley View

#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Proposed Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Lighting KW Savings	KWH Savings	Cost Savings	Sensor KW Savings	KWH Savings	Cost Savings	Total Energy KW Savings	KWH Savings	Cost Savings	Maint Cost Savings
109	Valley View	Exterior	Campus	Exterior			2L 32W 48" T8	1	59	4,368	0.1	232	\$18.9	2L 15W 48" Tube LED, Direct Wire	1	30	4,368	0.0	119	\$9.5	0.0	114	\$9.2	0.0	0	\$0.0	0.0	114	\$9.2	\$2.9
110	Valley View	Exterior	Campus	Exterior			1L 75W Incand N/A Recessed N/A	12	75	4,368	0.8	3,538	\$286.4	1L 12W LED, Screw-In	12	12	4,368	0.1	566	\$45.8	0.7	2,972	\$240.6	0.0	0	\$0.0	0.7	2,972	\$240.6	\$9.5
111	Valley View	Exterior	Campus	Exterior			1L 13W CF Single N/A Wall Pack Opaque	18	13	4,368	0.2	920	\$74.5	1L 8W LED Wall Pack	18	8	4,368	0.1	566	\$45.8	0.1	354	\$28.6	0.0	0	\$0.0	0.1	354	\$28.6	\$97.6
112	Valley View	Exterior	Campus	Exterior			2L 12W CF Single N/A Canopy N/A	5	26	4,368	0.1	511	\$41.4	1L 12W LED Ceiling Mount	5	10	4,368	0.0	197	\$15.9	0.1	314	\$25.5	0.0	0	\$0.0	0.1	314	\$25.5	\$15.5
113	Valley View	Exterior	Campus	Exterior			1L 13W CF Single N/A Recessed Opaque	16	13	4,368	0.2	816	\$66.2	1L 8W LED, Screw-In	16	8	4,368	0.1	503	\$40.7	0.1	314	\$25.5	0.0	0	\$0.0	0.1	314	\$25.5	\$6.4
114	Valley View	Exterior	Campus	Exterior			1L 18W CF Single N/A Ceiling Mount N/A	12	18	4,368	0.2	848	\$68.7	1L 10W LED Ceiling Mount	12	10	4,368	0.1	472	\$38.2	0.1	377	\$30.5	0.0	0	\$0.0	0.1	377	\$30.5	\$37.1
115	Valley View	Exterior	Campus	Exterior			2L 8W CF Single N/A Wall Pack Prismatic	3	18	4,368	0.0	212	\$17.2	1L 8W LED Wall Pack	3	8	4,368	0.0	94	\$7.6	0.0	118	\$9.5	0.0	0	\$0.0	0.0	118	\$9.5	\$16.3
116	Valley View	Exterior	Campus	Exterior			1L 20W CF Twin N/A Wall Pack N/A	3	26	4,368	0.1	307	\$24.8	1L 14W LED Wall Pack	3	14	4,368	0.0	165	\$13.4	0.0	142	\$11.5	0.0	0	\$0.0	0.0	142	\$11.5	\$16.3
Total		x				53		826			33.00	59,887	\$3,978		926			32	46,189	\$3,747	3	10,085	\$840	0	\$9	\$5	3	10,143	\$944	\$726

LIGHTING ANALYSIS

Westside Union School District

District Offices

Replacement Type LED Survey										Proposed										Lighting		Sensor		Total Energy				Maint				
#	Facility	Bldg	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	Fixture Description	Fixture Qty.	Watts / Fixture	Hours	KW	KWH	Cost	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings	KW Savings	KWH Savings	Cost Savings
1	District Offices	Main		Front Offices	Lobby	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	16	50	2,013	0.7	1,449	\$336.7	2L 15W 48" Tube LED, Direct Wire	16	30	1,610	0.4	606	\$176.1	0.3	580	\$134.7	0.0	174	\$23.9	0.3	754	\$156.6	\$48.9		
2	District Offices	Main		Lounge	Break	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	12	50	400	0.5	216	\$132.7	2L 15W 48" Tube LED, Direct Wire	12	30	400	0.3	130	\$76.6	0.2	86	\$53.1	0.0	0	\$0.0	0.2	86	\$53.1	\$34.4		
3	District Offices	Main		Staff	Restroom	Add Ceiling Dual	3L 80W Incand N/A Wall Mount N/A	3	160	2,013	0.5	978	\$227.3	3L 16W LED, Screw-In	3	48	1,610	0.1	209	\$53.4	0.4	717	\$166.7	0.0	52	\$7.2	0.4	770	\$173.8	\$8.8		
4	District Offices	Main		Office	Office (Private)	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	4	50	2,200	0.2	396	\$86.8	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$53.3	0.1	158	\$35.5	0.0	0	\$0.0	0.1	158	\$35.5	\$11.5		
5	District Offices	Main		Conference	Conference	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	6	50	1,000	0.3	270	\$88.6	2L 15W 48" Tube LED, Direct Wire	6	30	1,000	0.2	162	\$53.2	0.1	108	\$35.5	0.0	0	\$0.0	0.1	108	\$35.5	\$17.2		
6	District Offices	Main		Office	Office (Private)	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	6	50	2,200	0.3	564	\$133.2	2L 15W 48" Tube LED, Direct Wire	6	30	2,200	0.2	356	\$76.8	0.1	238	\$53.3	0.0	0	\$0.0	0.1	238	\$53.3	\$17.2		
7	District Offices	Main		Office	Office (Private)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	4	50	2,750	0.2	465	\$102.4	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$53.3	0.1	190	\$41.0	0.0	59	\$8.2	0.1	257	\$46.1	\$11.5		
8	District Offices	Main		Offices	Office (Open)	Wall IR	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	28	50	2,200	1.3	2,772	\$621.6	2L 15W 48" Tube LED, Direct Wire	28	30	2,200	0.6	1,863	\$373.0	0.5	1,109	\$248.7	0.0	0	\$0.0	0.5	1,109	\$248.7	\$80.4		
9	District Offices	Main		Office	Office (Private)	Add Ceiling Dual	2L 28W 48" T8 1x4 Ceiling Mount Prismatic	2	50	2,750	0.1	249	\$51.2	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	99	\$20.5	0.0	30	\$4.1	0.0	129	\$24.6	\$5.7		
10	District Offices	Main		Front Lobby	Lobby	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,013	0.1	181	\$42.1	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$22.3	0.0	72	\$16.6	0.0	22	\$3.0	0.0	94	\$19.8	\$5.7		
11	District Offices	Main		Conference	Conference	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	4	50	1,250	0.2	225	\$65.3	2L 15W 48" Tube LED, Direct Wire	4	30	1,000	0.1	108	\$35.5	0.1	90	\$25.1	0.0	27	\$3.7	0.1	117	\$29.8	\$11.5		
12	District Offices	Main		Office (Private)	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$44.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7		
13	District Offices	Main		Office (Private)	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$44.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7		
14	District Offices	Main		Office (Private)	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$44.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7		
15	District Offices	Main		Office (Private)	Office (Private)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	4	50	2,750	0.2	465	\$102.4	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$53.3	0.1	186	\$41.0	0.0	59	\$8.2	0.1	257	\$46.1	\$11.5		
16	District Offices	Main		Office (Private)	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$44.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7		
17	District Offices	Main		Office (Private)	Office (Private)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	4	50	2,750	0.2	465	\$102.4	2L 15W 48" Tube LED, Direct Wire	4	30	2,200	0.1	238	\$53.3	0.1	188	\$41.0	0.0	59	\$8.2	0.1	257	\$46.1	\$11.5		
18	District Offices	Main		Storage	Storage	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	146	0.1	13	\$19.0	2L 15W 48" Tube LED, Direct Wire	2	30	146	0.1	8	\$11.4	0.0	5	\$7.6	0.0	0	\$0.0	0.0	5	\$7.6	\$5.7		
19	District Offices	Main		Main	Office (Open)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,750	0.1	248	\$51.2	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	99	\$20.5	0.0	30	\$4.1	0.0	129	\$24.6	\$5.7		
20	District Offices	Main		Main	Office (Open)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,750	0.1	248	\$51.2	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	99	\$20.5	0.0	30	\$4.1	0.0	129	\$24.6	\$5.7		
21	District Offices	Main		Main	Office (Open)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,750	0.1	248	\$51.2	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	99	\$20.5	0.0	30	\$4.1	0.0	129	\$24.6	\$5.7		
22	District Offices	Main		Main	Office (Open)	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	13	50	2,750	0.6	1,609	\$332.9	2L 15W 48" Tube LED, Direct Wire	13	30	2,200	0.4	772	\$173.2	0.2	644	\$133.2	0.0	183	\$26.6	0.2	837	\$159.7	\$27.3		
23	District Offices	Main		Office (Private)	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	2,200	0.1	198	\$44.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	118	\$26.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7		
24	District Offices	Main		Restroom	Restroom	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	1,610	0.1	145	\$37.1	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$22.3	0.0	58	\$14.8	0.0	0	\$0.0	0.0	58	\$14.8	\$5.7		
25	District Offices	Main		Restroom	Restroom	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	1,610	0.0	72	\$18.6	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$11.1	0.0	29	\$7.4	0.0	0	\$0.0	0.0	29	\$7.4	\$2.8		
26	District Offices	Main		Men's	Restroom	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	1,610	0.1	145	\$37.1	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$22.3	0.0	58	\$14.8	0.0	0	\$0.0	0.0	58	\$14.8	\$5.7		
27	District Offices	Main		Restroom	Restroom	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	1	50	1,610	0.0	72	\$18.6	2L 15W 48" Tube LED, Direct Wire	1	30	1,610	0.0	43	\$11.1	0.0	29	\$7.4	0.0	0	\$0.0	0.0	29	\$7.4	\$2.8		
28	District Offices	Main		Women's	Restroom	Wall IR	2L 28W 48" T8 2x4 Recessed Prismatic	2	50	1,610	0.1	145	\$37.1	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$22.3	0.0	58	\$14.8	0.0	0	\$0.0	0.0	58	\$14.8	\$5.7		
29	District Offices	Main		Front Lobby	Lobby	Wall IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	1,610	0.1	145	\$37.1	2L 15W 48" Tube LED, Direct Wire	2	30	1,610	0.1	87	\$22.3	0.0	58	\$14.8	0.0	0	\$0.0	0.0	58	\$14.8	\$5.7		
30	District Offices	Main		Restroom	Storage	Add Ceiling Dual	2L 17W 24" T8 2x2 Recessed Prismatic	1	33	183	0.0	5	\$6.4	2L 8W 24" LED	1	16	146	0.0	2	\$3.0	0.0	3	\$3.3	0.0	1	\$0.1	0.0	3	\$3.4	\$2.7		
31	District Offices	Main		Restroom	Storage	Add Ceiling Dual	2L 17W 24" T8 2x2 Recessed Prismatic	1	33	183	0.0	5	\$6.4	2L 8W 24" LED	1	16	146	0.0	2	\$3.0	0.0	3	\$3.3	0.0	1	\$0.1	0.0	3	\$3.4	\$2.7		
32	District Offices	Main		3	Conference	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	8	50	1,250	0.4	450	\$130.6	2L 15W 48" Tube LED, Direct Wire	8	30	1,000	0.2	216	\$70.9	0.1	180	\$52.2	0.0	54	\$7.4	0.1	234	\$56.7	\$23.0		
33	District Offices	Main		4	Conference	Add Ceiling Dual	2L 28W 48" T8 2x4 Recessed Prismatic	8	50	1,250	0.4	450	\$130.6	2L 15W 48" Tube LED, Direct Wire	8	30	1,000	0.2	216	\$70.9	0.1	180	\$52.2	0.0	54	\$7.4	0.1	234	\$56.7	\$23.0		
34	District Offices	Main		2	Lobby	Wall IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	3	50	1,610	0.1	217	\$55.7	2L 15W 48" Tube LED, Direct Wire	3	30	1,610	0.1	130	\$33.4	0.1	87	\$22.3	0.0	0	\$0.0	0.1	87	\$22.3	\$8.8		
35	District Offices	Main		2	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$44.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7		
36	District Offices	Main		2	Office (Private)	Wall IR	2L 28W 48" T8 2x4 Ceiling Mount Prismatic	2	50	2,200	0.1	198	\$44.4	2L 15W 48" Tube LED, Direct Wire	2	30	2,200	0.1	119	\$26.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7		

Westside Union School District

#	Facility	Replacement Type	Bldg Type	Room	Area Type	Sensor Type	Full Description	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Proposed	Fixture Qty.	Watts / Fixture	Hours	KWH	Cost	Lighting	Sensor	Coast Savings	Total Energy								
																							LED							
37	Office	Man	2	Office (Private)	Desk	Office (Private)	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	2	50	2,750	0.1	\$61.2	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	2	30	2,200	0.1	\$19	\$38.6	0.0	89	\$20.5	0.0	30	\$4.1	0.0	129	\$24.6	\$5.7	
38	Office	Man	1	Office (Private)	Wall FR	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	1	50	2,200	0.6	792	\$177.6	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	8	30	2,200	0.2	475	\$106.6	0.1	217	\$71.0	0.0	0	\$0.0	0.1	217	\$71.0	\$22.0	
39	Office	Man	2	Lobby	Wall FR	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	2	50	1,910	0.1	145	\$37.1	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	2	30	1,910	0.1	47	\$22.3	0.0	50	\$14.6	0.0	0	\$0.0	0.0	50	\$14.6	\$5.7	
40	Office	Man	6	Lobby	Wall FR	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	6	50	1,910	0.3	425	\$111.3	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	6	30	1,910	0.2	261	\$66.6	0.1	174	\$44.5	0.0	0.1	\$0.0	0.1	174	\$44.5	\$17.2	
41	Office	Man	1	Storage	Storage	1L 20W CF 7'5 N/A Ceiling Mount N/A	1	20	163	0.0	4	\$4.5	1L 17W LED, Slew-In	1	17	146	0.0	3	\$3.2	0.0	1	\$1.2	0.0	1	\$0.1	0.0	2	\$1.2	\$1.0	
42	Office	Man	3	Restroom	Wall FR	2L 15W 48" T8 1st Ceiling Mount Fluorescent	3	50	1,910	0.1	145	\$37.1	2L 15W 48" T8 1st Ceiling Mount LED, Direct W/In	3	30	1,910	0.1	47	\$22.3	0.0	50	\$14.6	0.0	0	\$0.0	0.0	50	\$14.6	\$5.7	
43	Office	Man	4	Server Room	Blackout	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	4	50	146	0.2	26	\$37.6	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	4	30	146	0.1	16	\$32.8	0.1	11	\$15.2	0.0	0	\$0.0	0.1	11	\$15.2	\$11.5	
44	Office	Man	2	Women's Rm	Restroom	Wall FR	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	2	50	1,910	0.1	145	\$37.1	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	2	30	1,910	0.1	47	\$22.3	0.0	50	\$14.6	0.0	0	\$0.0	0.0	50	\$14.6	\$5.7
45	Office	Man	1	Storage	Storage	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	1	50	163	0.0	8	\$9.7	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	1	30	146	0.0	4	\$5.7	0.0	0	\$3.8	0.0	1	\$0.1	0.0	4	\$4.0	\$2.9	
46	Office	Man	3	Break	Break	Wall FR	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	3	50	400	0.1	54	\$33.2	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	3	30	400	0.1	32	\$19.9	0.1	22	\$13.3	0.0	0.1	\$0.0	0.1	22	\$13.3	\$8.6
47	Office	Man	2	Office (Private)	Office (Private)	Wall FR	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	2	50	2,200	0.1	196	\$44.4	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	2	30	2,200	0.1	119	\$35.8	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7
48	Office	Man	1	Office (Private)	Office (Private)	Wall FR	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	1	50	2,200	0.0	99	\$22.2	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	1	30	2,200	0.0	59	\$13.3	0.0	40	\$8.9	0.0	0	\$0.0	0.0	40	\$8.9	\$2.8
49	Office	Man	1	Storage	Storage	1L 20W CF 7'5 N/A Ceiling Mount N/A	1	20	163	0.0	4	\$4.5	1L 17W LED, Slew-In	1	17	146	0.0	2	\$3.2	0.0	1	\$1.2	0.0	1	\$0.1	0.0	2	\$1.2	\$1.0	
50	Office	Man	28	Storage	Storage	2L 20W 48" T8 2nd Fluorescent N/A	28	50	146	1.3	164	\$355.6	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	30	30	146	0.8	111	\$159.4	0.5	74	\$106.3	0.0	0	\$0.0	0.5	74	\$106.3	\$80.4	
51	Office	Man	2	Storage	Storage	2L 20W 48" T8 2nd Fluorescent Fluorescent	2	50	163	0.1	16	\$19.4	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	2	30	146	0.1	8	\$11.4	0.0	7	\$7.8	0.0	2	\$0.3	0.0	8	\$8.0	\$5.7	
52	Office	Man	2	Storage	Storage	2L 20W 48" T8 2nd Fluorescent Fluorescent	2	23	163	0.0	8	\$6.9	1L 17W LED, Slew-In	2	17	146	0.0	4	\$6.5	0.0	2	\$3.3	0.0	1	\$0.2	0.0	3	\$3.5	\$2.1	
53	Office	Man	1	Storage	Storage	1L 20W CF 7'5 N/A Ceiling Mount Obsolete	1	18	2,013	0.0	33	\$7.5	No Change	1	18	1,610	0.0	25	\$6.7	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	\$0.0	
54	Office	Man	1	Storage	Storage	1L 20W CF 7'5 N/A Ceiling Mount N/A	1	23	2,013	0.0	42	\$9.7	1L 17W LED, Slew-In	1	17	1,610	0.0	25	\$6.3	0.0	11	\$2.5	0.0	6	\$0.8	0.0	17	\$3.4	\$1.0	
55	Office	Man	1	Storage	Storage	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	1	50	2,013	0.0	91	\$21.6	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	1	30	1,610	0.0	43	\$6.9	0.0	28	\$6.4	0.0	11	\$1.5	0.0	47	\$6.9	\$2.8	
56	Office	Man	1	Storage	Storage	2L 20W 48" T8 2nd Fluorescent N/A	22	50	1,610	1.0	1,594	\$408.1	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	22	30	1,610	0.8	957	\$244.9	0.4	68	\$193.2	0.0	0.4	\$0.0	0.4	68	\$193.2	\$63.1	
57	Office	Man	1	Storage	Storage	2L 20W 48" T8 2nd Fluorescent Fluorescent	1	50	2,013	0.0	91	\$21.6	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	1	30	1,610	0.0	43	\$6.9	0.0	28	\$6.4	0.0	11	\$1.5	0.0	47	\$6.9	\$2.8	
58	Office	Man	3	Storage	Storage	2L 20W 48" T8 2nd Fluorescent Fluorescent	3	50	2,000	0.1	198	\$44.4	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	3	30	2,000	0.1	119	\$36.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7	
59	Office	Man	2	Storage	Storage	2L 20W 48" T8 2nd Fluorescent Fluorescent	2	50	2,000	0.1	297	\$66.6	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	2	30	2,000	0.1	119	\$36.6	0.0	79	\$17.8	0.0	0	\$0.0	0.0	79	\$17.8	\$5.7	
60	Office	Man	12	Storage	Storage	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	12	50	2,750	0.5	1,485	\$307.3	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	12	30	2,200	0.3	713	\$156.8	0.2	584	\$122.8	0.0	178	\$24.5	0.2	772	\$140.4	\$94.4	
61	Office	Man	10	Storage	Storage	2L 20W 48" T8 2nd Ceiling Mount Fluorescent	10	50	2,200	0.5	990	\$222.0	2L 15W 48" T8 2nd Ceiling Mount LED, Direct W/In	10	30	2,200	0.3	584	\$122.2	0.2	386	\$88.8	0.0	0	\$0.0	0.2	386	\$88.8	\$28.7	
62	Office	Man	1	Storage	Storage	1L 16W LED N/A Out N/A	1	4	8,736	0.0	31	\$5.0	No Change	1	4	8,736	0.0	31	\$5.0	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	\$0.0	
63	Office	Man	1	Storage	Storage	1L 20W LED N/A Flood N/A	1	23	4,368	0.0	90	\$12.4	No Change	1	23	4,368	0.0	80	\$12.4	0.0	0	\$0.0	0.0	0	\$0.0	0.0	0	\$0.0	\$0.0	
64	Office	Man	2	Storage	Storage	1L 150W Induction N/A Flood Clear	2	150	4,368	0.3	1,179	\$142.3	1L 80W LED Flood	2	80	4,368	0.1	628	\$86.5	0.1	550	\$17.7	0.0	0	\$0.0	0.1	550	\$75.7	\$29.8	
65	Office	Man	5	Storage	Storage	2L 42W CF 7'1 N/A Wall Flood N/A	5	64	4,368	0.4	1,051	\$227.2	1L 53W LED Wall Flood W/In Motion Sensor	5	53	4,368	0.2	1,042	\$143.3	0.1	609	\$86.8	0.0	0	\$0.0	0.1	609	\$86.8	\$19.9	
66	Office	Man	5	Storage	Storage	4L 32W CF 7'5 N/A Shockor Clear	5	208	4,368	0.8	4,060	\$525.5	4L 11W 22" T8 2nd LED, Direct W/In	5	80	4,368	0.4	1,720	\$228.0	0.5	2,358	\$304.5	0.0	0	\$0.0	0.5	2,358	\$304.5	\$25.3	
67	Office	Man	11	Storage	Storage	2L 32W CF 7'1 N/A Wall Flood N/A	11	52	4,368	0.5	2,749	\$308.4	1L 53W LED Wall Flood W/In Motion Sensor	11	34	4,368	0.3	1,470	\$202.3	0.2	778	\$107.1	0.0	0	\$0.0	0.2	778	\$107.1	\$158.2	
68	Office	Man	1	Storage	Storage	1L 18W LED N/A Flood N/A	1	19	4,368	0.0	75	\$10.3	No Change	1	19	4,368	0.0	75	\$10.3	0.0	0	\$0.0	0.0	0	\$0.0	0	0	\$0.0	\$0.0	
69	Office	Man	2	Storage	Storage	2L 32W CF 7'1 N/A Wall Flood N/A	2	64	4,368	0.1	503	\$89.2	1L 53W LED Wall Flood W/In Motion Sensor	2	34	4,368	0.1	267	\$36.8	0.0	236	\$30.5	0.0	0	\$0.0	0.1	236	\$30.5	\$28.4	
70	Office	Man	2	Storage	Storage	2L 32W CF 7'1 N/A Wall Flood N/A	2	64	4,368	0.1	503	\$89.2	1L 53W LED Wall Flood W/In Motion Sensor	2	34	4,368	0.1	267	\$36.8	0.0	236	\$30.5	0.0	0	\$0.0	0.1	236	\$30.5	\$28.4	

SOLAR PHOTOVOLTAIC ANALYSIS

Client Information

Client/Job Number: Westside Union School District

Facility Name: Hillview Middle
Address: 40525 Peonza Lane
City, State Zip: Palmdale, CA 93551

Customer Type: K12 Schools
Total Sq Ft: 93,000
Annual Utility Costs: \$89,944
Cost/Square Foot: \$0.97

Utility Provider: SCE
Account Number: 3-002-6377-48
Meter Number: V349N-019891
Rate Schedule: TOU-GS-3-R

Solar Rebate

Program Name: N/A
One Time (\$/Watt AC): \$0.00
Production (\$/kWh AC): \$0.00
Term (Years): 5
Annual Performance Derate: 0.5%

Array #1

Orientation: East
Tilt Angle (Degrees): 15
Mounting: Ground
Module Output (Watt DC): 345
Qty of Modules: 756.00
System Output (kW DC): 260.8
System Derate: 85%
System Output (kW AC): 221.7

Array #2

Orientation:
Tilt Angle (Degrees):
Mounting:
Module Output (Watt DC):
Qty of Modules:
System Output (kW DC): 0.0
System Derate:
System Output (kW AC): 0.0

SOLAR PHOTOVOLTAIC ANALYSIS

Client Information

Client/Job Number: Westside Union School District

Facility Name: Hillview Middle
Address: 40525 Peonza Lane
City, State Zip: Palmdale, CA 93551

Customer Type: K12 Schools
Total Sq Ft: 93,000
Annual Utility Costs: \$89,944
Cost/Square Foot: \$0.97

Utility Provider: SCE
Account Number: 3-002-6377-48
Meter Number: V349N-019891
Rate Schedule: TOU-GS-3-R

Combined Arrays

System Output (kW DC): 260.8
System Output (kW AC): 221.7

Financial Analysis

Solar Rebate: \$0
Annual Energy Savings: \$57,737

SOLAR PRODUCTION

ARRAY #1

Westside Union School District: Hillview Middle

System Output (kW DC): 260.8

System Production (kWh AC)

PVWATTS: Hourly PV Performance Data

City: PALMDALE AIRPORT, CA

State: California

Lat (deg N): 34.63

Long (deg W): 118.08

Elev (m): 769

Array Type: "Fixed Tilt"

Array Tilt (deg): 15

Array Azimuth (deg): 105

DC Rating (kW): 1

DC to AC Derate Factor: 0.85

AC Rating (kW): 0.9

Year	"Month"	"Day"	"Hour"	AC Power (W)"
1967	1	1	01:00	0
1967	1	1	02:00	0
1967	1	1	03:00	0
1967	1	1	04:00	0
1967	1	1	05:00	0
1967	1	1	06:00	0
1967	1	1	07:00	0
1967	1	1	08:00	8,006
1967	1	1	09:00	27,076
1967	1	1	10:00	169,415
1967	1	1	11:00	66,78
1967	1	1	12:00	238,575
1967	1	1	13:00	266.63
1967	1	1	14:00	315,823
1967	1	1	15:00	181.81
1967	1	1	16:00	76,964
1967	1	1	17:00	1,263
1967	1	1	18:00	0
1967	1	1	19:00	0
1967	1	1	20:00	0
1967	1	1	21:00	0
1967	1	1	22:00	0
1967	1	1	23:00	0
1967	1	1	24:00	0

	January	February	March	April	May	June	July	August	September	October	November	December	Subtotal
Hour	1	2	3	4	5	6	7	8	9	10	11	12	
01:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06:00	0.0	0.0	0.0	256.1	861.0	1,039.8	771.1	331.7	14.7	0.0	0.0	0.0	3,274.4
07:00	0.0	62.8	836.9	1,848.6	2,445.3	2,545.5	2,316.8	1,931.9	1,401.9	882.2	154.9	0.0	14,426.9
08:00	897.5	1,117.7	2,651.6	3,365.1	3,896.0	3,893.3	3,533.4	3,402.8	2,893.0	2,469.0	1,776.1	939.6	30,835.0
09:00	2,267.3	2,423.6	4,124.8	4,495.7	4,976.7	4,816.9	4,587.3	4,428.7	3,894.0	3,615.7	3,003.0	2,293.3	44,927.1
10:00	3,295.1	3,206.5	4,872.5	5,157.4	5,725.5	5,449.5	5,227.2	5,047.1	4,707.4	4,128.4	3,610.2	3,057.2	53,484.0
11:00	3,699.8	3,866.5	5,114.9	5,610.4	6,013.4	5,712.5	5,638.2	5,360.2	4,924.4	4,540.5	3,990.9	3,625.9	58,097.6
12:00	3,829.9	3,959.5	5,388.0	5,557.9	5,752.8	5,729.7	5,611.2	5,413.0	4,825.4	4,455.1	3,860.1	3,610.5	57,993.3
13:00	3,495.4	3,659.2	4,840.7	4,963.1	5,573.2	5,448.6	5,307.7	5,057.9	4,322.1	3,944.7	3,360.0	3,200.8	53,173.4
14:00	2,700.5	3,041.8	4,145.4	4,372.9	4,880.0	4,828.1	4,686.6	4,539.7	3,664.4	3,244.4	2,513.5	2,411.1	45,028.4
15:00	1,882.1	2,067.3	3,080.7	3,463.8	3,793.3	3,881.1	3,800.9	3,391.2	2,666.9	2,166.8	1,449.3	1,368.8	33,012.1
16:00	760.6	1,041.1	1,784.6	2,193.7	2,607.4	2,715.5	2,703.7	2,243.5	1,565.5	923.7	524.7	493.5	19,557.6
17:00	46.1	273.0	715.7	947.6	1,293.6	1,405.3	1,433.5	1,067.4	580.9	214.4	4.6	0.5	7,982.4
18:00	0.0	18.0	22.4	442.3	558.4	533.6	529.9	475.1	22.6	0.0	0.0	0.0	2,602.2
19:00	0.0	0.0	0.0	0.0	14.0	3.8	8.5	2.2	0.0	0.0	0.0	0.0	28.6
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	22,874.0	24,737.0	37,578.1	42,674.6	48,390.5	48,003.2	46,156.1	42,692.5	35,483.3	30,584.9	24,247.3	21,001.2	424,422.9

SOLAR RATE ANALYSIS

ARRAY #1

Westside Union School District: Hillview Middle

System Production (kWh AC)

Hour	Winter					Summer				Winter			Subtotal
	January 1	February 2	March 3	April 4	May 5	June 6	July 7	August 8	September 9	October 10	November 11	December 12	
01:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06:00	0.0	0.0	0.0	256.1	861.0	1,039.8	771.1	331.7	14.7	0.0	0.0	0.0	3,274.4
07:00	0.0	62.8	836.9	1,848.6	2,445.3	2,545.5	2,316.8	1,931.9	1,401.9	882.2	154.9	0.0	14,426.9
08:00	897.5	1,117.7	2,651.6	3,365.1	3,896.0	3,893.3	3,533.4	3,402.8	2,893.0	2,469.0	1,776.1	939.6	30,835.0
09:00	2,267.3	2,423.6	4,124.8	4,495.7	4,976.7	4,816.9	4,587.3	4,428.7	3,894.0	3,615.7	3,003.0	2,293.3	44,927.1
10:00	3,295.1	3,206.5	4,872.5	5,157.4	5,725.5	5,449.5	5,227.2	5,047.1	4,707.4	4,128.4	3,610.2	3,057.2	53,484.0
11:00	3,699.8	3,866.5	5,114.9	5,610.4	6,013.4	5,712.5	5,638.2	5,360.2	4,924.4	4,540.5	3,990.9	3,625.9	58,097.6
12:00	3,829.9	3,959.5	5,388.0	5,557.9	5,752.8	5,729.7	5,611.2	5,413.0	4,825.4	4,455.1	3,860.1	3,610.5	57,993.3
13:00	3,495.4	3,659.2	4,840.7	4,963.1	5,573.2	5,448.6	5,307.7	5,057.9	4,322.1	3,944.7	3,360.0	3,200.8	53,173.4
14:00	2,700.5	3,041.8	4,145.4	4,372.9	4,880.0	4,828.1	4,686.6	4,539.7	3,664.4	3,244.4	2,513.5	2,411.1	45,028.4
15:00	1,882.1	2,067.3	3,080.7	3,463.8	3,793.3	3,881.1	3,800.9	3,391.2	2,666.9	2,166.8	1,449.3	1,368.8	33,012.1
16:00	760.6	1,041.1	1,784.6	2,193.7	2,607.4	2,715.5	2,703.7	2,243.5	1,565.5	923.7	524.7	493.5	19,557.6
17:00	46.1	273.0	715.7	947.6	1,293.6	1,405.3	1,433.5	1,067.4	580.9	214.4	4.6	0.5	7,982.4
18:00	0.0	18.0	22.4	442.3	558.4	533.6	529.9	475.1	22.6	0.0	0.0	0.0	2,602.2
19:00	0.0	0.0	0.0	0.0	14.0	3.8	8.5	2.2	0.0	0.0	0.0	0.0	28.6
20:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24:00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	22,874.0	24,737.0	37,578.1	42,674.6	48,390.5	48,003.2	46,156.1	42,692.5	35,483.3	30,584.9	24,247.3	21,001.2	424,422.9

SOLAR RATE ANALYSIS

ARRAY #1

Westside Union School District: Hillview Middle

System Solar Rate Analysis

		Annual Energy (kWh AC)	Weekday Adjusted (kWh AC)	TOU Periods (% of Hrs)	Existing Rate		Proposed Rate	
					SCE TOU- GS-3-R	Annual Costs	SCE TOU- GS-3-R	Annual Costs
					kWh	\$	kWh	\$
Summer	On Peak	86,890.0	62,064.3	8.3%	\$0.37283	\$23,139	\$0.37283	\$23,139
	Mid Peak	75,091.7	53,636.9	12.5%	\$0.13580	\$7,284	\$0.13580	\$7,284
	Off Peak	10,353.4	56,633.9	12.5%	\$0.07774	\$4,403	\$0.07774	\$4,403
	Total	172,335.1	172,335.1	33.3%		\$34,826		\$34,826
Winter	On Peak	0.0	0.0	0.0%	\$0.00000	\$0	\$0.00000	\$0
	Mid Peak	244,739.9	174,814.2	36.1%	\$0.09423	\$16,473	\$0.09423	\$16,473
	Off Peak	7,347.9	77,273.6	30.6%	\$0.08332	\$6,438	\$0.08332	\$6,438
	Total	252,087.8	252,087.8	66.7%		\$22,911		\$22,911
All	On Peak	86,890.0	62,064.3	8.3%		\$23,139		\$23,139
	Mid Peak	319,831.6	228,451.1	48.6%		\$23,757		\$23,757
	Off Peak	17,701.3	133,907.5	43.1%		\$10,841		\$10,841
	Total	424,422.9	424,422.9	100.0%		\$57,737		\$57,737

Average Solar Rate: \$0.1360 \$0.1360

		Existing Rate		Proposed Rate	
		SCE	TOU-GS-3- R	SCE	TOU-GS-3- R
		kW	kWh	kW	kWh
Summer	On Peak		\$0.37283		\$0.37283
	Mid Peak		\$0.13580		\$0.13580
	Off Peak		\$0.07774		\$0.07774
	Max	\$11.45		\$11.45	
Winter	On Peak				
	Mid Peak		\$0.09423		\$0.09423
	Off Peak		\$0.08332		\$0.08332
	Max	\$11.45		\$11.45	

SOLAR ENERGY SAVINGS ANALYSIS

Westside Union School District: Hillview Middle

System Output (kW DC): 260.8
System Output (kW AC): 221.7

Existing Energy Usage

Month	Demand (kW)				Consumption (kWh)			
	On Peak	Mid Peak	Off Peak	Max	On Peak	Mid Peak	Off Peak	Subtotal
January				91	0	17,463	14,777	32,240
February				215	0	12,079	10,220	22,299
March				286	0	35,129	29,725	64,854
April				232	0	30,473	25,785	56,258
May				179	0	21,726	18,383	40,109
June				242	12,332	18,498	18,498	49,327
July				209	6,088	9,132	9,132	24,353
August				200	11,488	17,232	17,232	45,953
September				168	14,182	21,273	21,273	56,728
October				160	0	24,104	20,396	44,500
November				184	0	27,687	23,427	51,114
December				223	0	25,773	21,808	47,580
Total	0	0	0	286	44,090	260,569	230,656	535,315

Proposed Energy Usage

Month	Demand (kW)				Consumption (kWh)			
	On Peak	Mid Peak	Off Peak	Max	On Peak	Mid Peak	Off Peak	Subtotal
January	0	0	0	91	0	1,125	8,241	9,366
February	0	0	0	215	0	-5,546	3,108	-2,438
March	0	0	0	286	0	8,886	18,390	27,276
April	0	0	0	232	0	1,495	12,089	13,583
May	0	0	0	179	0	-10,477	2,196	-8,282
June	0	0	0	242	-4,817	3,919	2,222	1,324
July	0	0	0	209	-10,729	-4,814	-6,261	-21,803
August	0	0	0	200	-4,021	3,864	3,418	3,260
September	0	0	0	168	1,592	9,529	10,123	21,245
October	0	0	0	160	0	2,888	11,027	13,915
November	0	0	0	184	0	10,478	16,389	26,867
December	0	0	0	223	0	10,772	15,807	26,579
Total	0	0	0	286	-17,974	32,118	96,748	110,892

Solar Energy Production

Month	Generation (kWh)			Subtotal
	On Peak	Mid Peak	Off Peak	
January	0	16,339	6,535	22,874
February	0	17,624	7,113	24,737
March	0	26,244	11,334	37,578
April	0	28,978	13,696	42,675
May	0	32,203	16,188	48,391
June	17,149	14,578	16,276	48,003
July	16,817	13,946	15,393	46,156
August	15,509	13,369	13,815	42,693
September	12,590	11,744	11,150	35,483
October	0	21,216	9,369	30,585
November	0	17,209	7,038	24,247
December	0	15,001	6,000	21,001
Total	62,064	228,451	133,907	424,423

SOLAR ENERGY SAVINGS ANALYSIS

Westside Union School District: Hillview Middle

System Output (kW DC): 260.8
System Output (kW AC): 221.7

Existing Energy Costs

Month	Demand (kW)					Consumption (kWh)				Energy Subtotal
	On Peak	Mid Peak	Off Peak	Max	Subtotal	On Peak	Mid Peak	Off Peak	Subtotal	
January	\$0	\$0	\$0	\$1,042	\$1,042	\$0	\$1,646	\$1,231	\$2,877	\$3,919
February	\$0	\$0	\$0	\$2,462	\$2,462	\$0	\$1,138	\$852	\$1,990	\$4,451
March	\$0	\$0	\$0	\$3,275	\$3,275	\$0	\$3,310	\$2,477	\$5,787	\$9,062
April	\$0	\$0	\$0	\$2,656	\$2,656	\$0	\$2,871	\$2,148	\$5,020	\$7,676
May	\$0	\$0	\$0	\$2,050	\$2,050	\$0	\$2,047	\$1,532	\$3,579	\$5,628
June	\$0	\$0	\$0	\$2,771	\$2,771	\$4,598	\$2,512	\$1,438	\$8,548	\$11,319
July	\$0	\$0	\$0	\$2,393	\$2,393	\$2,270	\$1,240	\$710	\$4,220	\$6,613
August	\$0	\$0	\$0	\$2,290	\$2,290	\$4,283	\$2,340	\$1,340	\$7,963	\$10,253
September	\$0	\$0	\$0	\$1,924	\$1,924	\$5,287	\$2,889	\$1,654	\$9,830	\$11,754
October	\$0	\$0	\$0	\$1,832	\$1,832	\$0	\$2,271	\$1,699	\$3,971	\$5,803
November	\$0	\$0	\$0	\$2,107	\$2,107	\$0	\$2,609	\$1,952	\$4,561	\$6,668
December	\$0	\$0	\$0	\$2,553	\$2,553	\$0	\$2,429	\$1,817	\$4,246	\$6,799
Total	\$0	\$0	\$0	\$27,354	\$27,354	\$16,438	\$27,303	\$18,849	\$62,590	\$89,944

Proposed Energy Costs

Month	Demand (kW)					Consumption (kWh)				Energy Subtotal
	On Peak	Mid Peak	Off Peak	Max	Subtotal	On Peak	Mid Peak	Off Peak	Subtotal	
January	\$0	\$0	\$0	\$1,042	\$1,042	\$0	\$106	\$687	\$793	\$1,835
February	\$0	\$0	\$0	\$2,462	\$2,462	\$0	-\$523	\$259	-\$264	\$2,198
March	\$0	\$0	\$0	\$3,275	\$3,275	\$0	\$837	\$1,532	\$2,370	\$5,644
April	\$0	\$0	\$0	\$2,656	\$2,656	\$0	\$141	\$1,007	\$1,148	\$3,804
May	\$0	\$0	\$0	\$2,050	\$2,050	\$0	-\$987	\$183	-\$804	\$1,245
June	\$0	\$0	\$0	\$2,771	\$2,771	-\$1,796	\$532	\$173	-\$1,091	\$1,680
July	\$0	\$0	\$0	\$2,393	\$2,393	-\$4,000	-\$654	-\$487	-\$5,140	-\$2,747
August	\$0	\$0	\$0	\$2,290	\$2,290	-\$1,499	\$525	\$266	-\$709	\$1,581
September	\$0	\$0	\$0	\$1,924	\$1,924	\$594	\$1,294	\$787	\$2,675	\$4,598
October	\$0	\$0	\$0	\$1,832	\$1,832	\$0	\$272	\$919	\$1,191	\$3,023
November	\$0	\$0	\$0	\$2,107	\$2,107	\$0	\$987	\$1,366	\$2,353	\$4,460
December	\$0	\$0	\$0	\$2,553	\$2,553	\$0	\$1,015	\$1,317	\$2,332	\$4,885
Total	\$0	\$0	\$0	\$27,354	\$27,354	-\$6,701	\$3,546	\$8,008	\$4,853	\$32,207

Solar Energy Savings

Month	Demand (kW)					Consumption (kWh)				Energy Subtotal
	On Peak	Mid Peak	Off Peak	Max	Subtotal	On Peak	Mid Peak	Off Peak	Subtotal	
January	\$0	\$0	\$0	\$0	\$0	\$0	\$1,540	\$545	\$2,084	\$2,084
February	\$0	\$0	\$0	\$0	\$0	\$0	\$1,661	\$593	\$2,253	\$2,253
March	\$0	\$0	\$0	\$0	\$0	\$0	\$2,473	\$944	\$3,417	\$3,417
April	\$0	\$0	\$0	\$0	\$0	\$0	\$2,731	\$1,141	\$3,872	\$3,872
May	\$0	\$0	\$0	\$0	\$0	\$0	\$3,034	\$1,349	\$4,383	\$4,383
June	\$0	\$0	\$0	\$0	\$0	\$6,394	\$1,980	\$1,265	\$9,639	\$9,639
July	\$0	\$0	\$0	\$0	\$0	\$6,270	\$1,894	\$1,197	\$9,360	\$9,360
August	\$0	\$0	\$0	\$0	\$0	\$5,782	\$1,815	\$1,074	\$8,672	\$8,672
September	\$0	\$0	\$0	\$0	\$0	\$4,694	\$1,595	\$867	\$7,155	\$7,155
October	\$0	\$0	\$0	\$0	\$0	\$0	\$1,999	\$781	\$2,780	\$2,780
November	\$0	\$0	\$0	\$0	\$0	\$0	\$1,622	\$586	\$2,208	\$2,208
December	\$0	\$0	\$0	\$0	\$0	\$0	\$1,414	\$500	\$1,913	\$1,913
Total	\$0	\$0	\$0	\$0	\$0	\$23,139	\$23,757	\$10,841	\$57,737	\$57,737

EXHIBIT D PROJECT DELIVERY SCHEDULE

Please refer to the attached Project Delivery Schedule. The Project Delivery Schedule completion date is based upon the Energy Solution Agreement execution date as listed.

Project Milestones	Due Date
Agreement Execution	6/5/18
Project Kick-Off	6/6/18
Solar Removal Start	6/18/18
Design Submission	7/20/18
Equipment Order	8/1/18
Solar Removal Completion	8/3/18
Construction Start	10/1/18
Substantial Completion	12/31/18
Final Completion	1/31/19

**EXHIBIT E SAMPLE CERTIFICATE OF SUBSTANTIAL COMPLETION
& FINAL CERTIFICATE OF COMPLETION**

CERTIFICATE OF SUBSTANTIAL COMPLETION

The undersigned, Westside Union School District ("CLIENT"), having entered into the Energy Services Agreement ("Agreement") dated June 5, 2018, with PacificWest Energy Solutions, Inc. ("PACIFICWEST"), does hereby certify to PACIFICWEST that with reference to the equipment and systems in Exhibit A Scope of Services listed below and specifically located at CLIENT's premises, that:

1. All Services listed below that are required under the Agreement (less any work required under the Warranty) is Substantially Complete and Operational.
2. The equipment and systems provided by PACIFICWEST and its authorized agents and representatives are of a size, design, capacity, and manufacture approved by CLIENT and, is in good condition and has been satisfactorily delivered and installed.
3. Based on the representation of PACIFICWEST and its authorized agents and representatives, CLIENT is satisfied that the equipment and systems are suitable for CLIENT's purposes.
4. CLIENT commenced receiving beneficial use from each Service listed below per its respective Substantial Completion Date.
5. There exists no Event of Default or condition which, but for the passing of time or giving of notice, or both, would constitute an Event of Default for PACIFICWEST under the Agreement.
6. PACIFICWEST is entitled to any and all remaining compensation, as per Exhibit B.

SERVICES SUBSTANTIALLY COMPLETE

SERVICES
TBD

SUBSTANTIAL COMPLETION DATE
TBD

ACCEPTANCE

CLIENT
Westside Union School District

PACIFICWEST
PacificWest Energy Solutions, Inc.

Client Representative, Title

PacificWest Representative, Title

Date

Date

**EXHIBIT E SAMPLE CERTIFICATE OF SUBSTANTIAL COMPLETION
& FINAL CERTIFICATE OF COMPLETION (Continued)**

FINAL CERTIFICATE OF COMPLETION

The undersigned, Westside Union School District ("CLIENT"), having entered into the Energy Services Agreement ("Agreement") dated June 5, 2018, with PacificWest Energy Solutions, Inc. ("PACIFICWEST"), does hereby certify to PACIFICWEST that with reference to the equipment and systems in Exhibit A Scope of Services listed below and specifically located at CLIENT's premises, that:

1. All Services required under the Agreement (less any work required under the Warranty) is Complete and Fully Operational. All Services shall be considered satisfied and PACIFICWEST shall have no further obligations to CLIENT.
2. The equipment and systems provided by PACIFICWEST and its authorized agents and representatives are of a size, design, capacity, and manufacture approved by CLIENT and, is in good condition and has been satisfactorily delivered and installed.
3. Based on the representation of PACIFICWEST and its authorized agents and representatives, CLIENT is satisfied that the equipment and systems are suitable for CLIENT's purposes.
4. CLIENT commenced receiving beneficial use from each Service per its respective Substantial Completion Date or Final Certificate of Completion Acceptance Date, whichever is earlier.
5. There exists no Event of Default or condition which, but for the passing of time or giving of notice, or both, would constitute an Event of Default for PACIFICWEST under the Agreement.
6. PACIFICWEST is entitled to any and all remaining compensation, as per Exhibit B.

ACCEPTANCE

CLIENT
Westside Union School District

PACIFICWEST
PacificWest Energy Solutions, Inc.

Client Representative, Title

PacificWest Representative, Title

Date

Date

EXHIBIT F PERFORMANCE GUARANTEE

PACIFICWEST guarantees that the energy savings ("Guaranteed Savings") generated by the Services during a one (1) year period commencing from the date on which CLIENT executes the Final Certificate of Completion ("Performance Guarantee Period") will be the lesser of either CLIENT's total project funding amounts ("Project Funds") or the Guaranteed Savings amounts listed in the Guaranteed Savings Table below during the term of the Performance Guarantee Period.

1. Guaranteed Savings

Services	Electrical Savings	Natural Gas Savings	Other Savings
Lighting			
Installation	\$ 24,170		
Solar Photovoltaic			
Installation	\$ 57,737		
Totals	\$ 81,907	\$ -	\$ -

Year	Electrical Savings	Natural Gas Savings	Other Savings
1	\$ 81,907	\$ -	\$ -
2	\$ 84,364	\$ -	\$ -
3	\$ 86,895	\$ -	\$ -
4	\$ 89,502	\$ -	\$ -
5	\$ 92,187	\$ -	\$ -
6	\$ 94,953	\$ -	\$ -
7	\$ 97,801	\$ -	\$ -
8	\$ 100,735	\$ -	\$ -
9	\$ 103,757	\$ -	\$ -
10	\$ 106,870	\$ -	\$ -
11	\$ 110,076	\$ -	\$ -
12	\$ 113,378	\$ -	\$ -
13	\$ 116,780	\$ -	\$ -
14	\$ 120,283	\$ -	\$ -
15	\$ 123,892	\$ -	\$ -
16	\$ 127,608	\$ -	\$ -
17	\$ 131,437	\$ -	\$ -
18	\$ 135,380	\$ -	\$ -
19	\$ 139,441	\$ -	\$ -
20	\$ 143,624	\$ -	\$ -
Totals	\$ 2,200,872	\$ -	\$ -

2. Reconciliation

PACIFICWEST will provide CLIENT a Performance Guarantee Reconciliation Report within sixty

PACIFICWEST

ENERGY SOLUTIONS

(60) days following the end of each applicable Year of the Performance Guarantee Period. PACIFICWEST shall provide a total of one (1) Performance Guarantee Reconciliation Report(s) and its associated Measurement & Verification Activities during the term of the Performance Guarantee Period for Year(s) 1 only. Guaranteed Savings will be verified using the Baseline Information, Measurement & Verification Plan, and Utility Rates & Escalation Factors in the following sections to calculate Measured Savings.

The Net Savings will be calculated as follows:

Net Savings = (Measured Savings) – (Lesser of Guaranteed Savings or Project Funds)

In the event that the Net Savings is equal to or greater than \$0, the Performance Guarantee and its associated Guaranteed Savings shall be considered satisfied and PACIFICWEST shall have no further Performance Guarantee obligations to CLIENT for the remaining Performance Guarantee Period.

In the event that the Net Savings is less than \$0, a Savings Shortfall will be recorded and the Savings Shortfall amount ("Savings Shortfall Payment") will be paid by PACIFICWEST within sixty (60) days following each applicable Year of the Performance Guarantee Period upon CLIENT's acceptance of the Performance Guarantee Reconciliation Report. Once the Savings Shortfall Payment is paid following each applicable Year of the Performance Guarantee Period, the Performance Guarantee and its associated Guaranteed Savings shall be considered satisfied and PACIFICWEST shall have no further Performance Guarantee obligations to CLIENT for the applicable Year of the Performance Guarantee Period for which the Savings Shortfall Payment was made.

CLIENT shall have the following options for the Savings Shortfall Payment:

- A. Operational improvement at no expense or material inconvenience to the CLIENT that will offset and correct the Savings Shortfall amount.
- B. Additional services apart from this Agreement up to the Savings Shortfall amount.
- C. Cash Payment.

As the mutual goal of the Parties is to maximize savings and implement a successful project, both Parties agree to negotiate in good faith towards a suitable corrective action(s) that will address any such Savings Shortfall. In the event that PACIFICWEST can correct a Savings Shortfall through an operational improvement at no expense or material inconvenience to the CLIENT and with no future operational expenses, and the CLIENT declines to allow such operational improvement, then any Savings Shortfall that the improvement would have corrected will be negated.

3. Baseline Information

PACIFICWEST and CLIENT agree that the Baseline Information used in the Savings Analysis in Exhibit C for each measure is a full and accurate representation of the existing facility, equipment, hours of operation, business use, energy usage, and energy rates and that such Baseline Information will be the basis on which all future energy and operational use will be compared with in order to determine the Measured Savings.

4. Measurement & Verification Plan (M&V)

PACIFICWEST shall calculate Measured Savings adopting certain methodology and techniques from both the International Performance Measurement and Verification Protocol (IPMVP) and the Federal Energy Management Program (FEMP) Measurement and Verification Guidelines procedures for Option A. Retrofit Isolation: Key Parameter Measurement for the Services.

PACIFICWEST will take one-time pre-installation and post-installation energy measurements of the typical retrofitted fixtures or equipment, using a true RMS power meter or other acceptable data recording devices. Sample sizes and locations will be selected by PACIFICWEST to achieve a reasonable sample population. The minimum sample sizes are listed below based on standard precision and confidence factors. Measured Savings will be calculated by applying the analysis methods contained within the Savings Analysis in Exhibit C and the following M&V Plan in this Section using the Baseline Information, applying pre-installation and post-installation energy measurements, and Utility Rates & Escalation Factors to determine the Measured Savings.

Energy Conservation Measures (ECM) #1 – Lighting Interior & Exterior			
Brief ECM Description: Retrofit existing fluorescent, incandescent, and HID lighting fixtures with more efficient lamps and ballasts. Savings will result from reduced fixture power consumption. Operating hours are not affected by this ECM.			
M&V Option:	Option A	Protocol:	FEMP M&V Guidelines V 3.0
<u>Pre-Installation M&V Activities:</u> <i>(Summary of Measurements Performed, Assumptions, Other Sources of Data, Baseline Energy Use Calculation Methodology)</i> <ul style="list-style-type: none"> ○ Baseline fixture power measured for lamp ballast combinations (LBC) representing a total of 75% of the baseline connected load. Sampling plan requires $\pm 10\%$ uncertainty at a confidence level of 90%. ○ Baseline Operating Hours measured for usage groups representing at least 75% of the energy savings. Sampling plan requires $\pm 20\%$ uncertainty at a confidence level of 80%. ○ Operating hours for usage groups not measured are based on data provided by CLIENT. ○ Fixture powers for LBCs not measured are based on manufacturer's data. ○ HVAC interactions are negligible. ○ Fixture counts from the lighting audit. ○ Baseline energy use based on product of the baseline fixture power consumption, operating hours, and fixture quantities for each line item in the lighting audit. ○ Baseline demand based on product of the baseline fixture power consumption, demand coincidence factor (based on operating hours and peak building demand period), and fixture quantities for each line item in the lighting audit. 			

Post-Installation M&V Activities

(Summary of Inspections, Measurements to be performed, Reporting Requirements and Submittals)

- Lighting audit and inspection to confirm final fixture counts.
- Fixture power measurements for lamp ballast combinations representing a total of 75% of the post-installation connected load. Sampling plan requires $\pm 10\%$ uncertainty at a confidence level of 90%.
- Operating hours assumed to be the same as baseline operating hours.
- Verified post-installation energy use based on product of the verified post-installation fixture power consumption, operating hours, and fixture quantities for each line item in the lighting audit.
- Verified post-installation demand based on product of the verified post-installation fixture power consumption, demand coincidence factor (based on operating hours and peak building demand period), and fixture quantities for each item in the lighting audit.

Annual or Periodic M&V Activities:

(Summary of Inspections, Measurements to be performed, Reporting Requirements and Submittals)

- No additional measurements required.
- Verified savings based on post-installation M&V results.
- Report deficiencies that affect energy savings to facility when they are identified, and summarize issues and response in the Performance Guarantee Reconciliation Report.
- Optional: Operations & Maintenance (O&M) data to be provided by CLIENT and included in Performance Guarantee Reconciliation Report.

Energy Use and Savings Calculations:

(Summary of Savings Calculation Method)

- Proposed post-installation energy use based on product of the post-installation fixture power consumption (based on post-installation M&V results), operating hours, and fixture quantities for each line item in the lighting audit.
- Proposed post-installation demand based on product of the post-installation fixture power consumption (based on post-installation M&V results), demand coincidence factor (based on operating hours and peak building demand period), and fixture quantities for each item in the lighting audit.
- Savings are the difference between the pre-installation baseline and post-installation energy use and demand.

Energy Conservation Measures (ECM) #2 – Lighting Sensors

Brief ECM Description: Retrofit existing fluorescent, incandescent, and HID lighting fixtures with occupancy lighting controls. Savings will result from reduced fixture power consumption. Operating hours are affected by this ECM.

M&V Option:	Option A	Protocol:	FEMP M&V Guidelines V 3.0
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Pre-Installation M&V Activities:

(Summary of Measurements Performed, Assumptions, Other Sources of Data, Baseline Energy Use Calculation Methodology)

- Baseline fixture power measured for lamp ballast combinations (LBC) representing a total of 75% of the baseline connected load. Sampling plan requires $\pm 10\%$ uncertainty at a confidence level of 90%. The baseline fixture power measurement for ECM #2 will be identical to the post-installation fixture power measurements of ECM #1.
- Baseline Operating Hours measured for usage groups representing at least 75% of the energy savings. Sampling plan requires $\pm 20\%$ uncertainty at a confidence level of 80%.
- Operating hours for usage groups not measured are based on data provided by CLIENT.
- Fixture powers for LBCs not measured are based on manufacturer's data.
- HVAC interactions are negligible.
- Fixture counts from the lighting audit.
- Baseline energy use based on product of the baseline fixture power consumption, operating hours, and fixture quantities for each line item in the lighting audit.
- Baseline demand based on product of the baseline fixture power consumption, demand coincidence factor (based on operating hours and peak building demand period), and fixture quantities for each line item in the lighting audit.

Post-Installation M&V Activities

(Summary of Inspections, Measurements to be performed, Reporting Requirements and Submittals)

- Lighting audit and inspection to confirm final fixture counts.
- Fixture power measurements assumed to be the same as baseline fixture power measurements.
- Post-installation Operating Hours measured for usage groups representing at least 75% of the energy savings. Sampling plan requires $\pm 20\%$ uncertainty at a confidence level of 80%.
- Operating hours for usage groups not measured are based on data provided by CLIENT.
- Verified post-installation energy use based on product of the verified post-installation fixture power consumption, operating hours, and fixture quantities for each line item in the lighting audit.
- Verified post-installation demand based on product of the verified post-installation fixture power consumption, demand coincidence factor (based on operating hours and peak building demand period), and fixture quantities for each item in the lighting audit.

Annual or Periodic M&V Activities:

(Summary of Inspections, Measurements to be performed, Reporting Requirements and Submittals)

- No additional measurements required.
- Verified savings based on post-installation M&V results.
- Report deficiencies that affect energy savings to facility when they are identified, and summarize issues and response in the Performance Guarantee Reconciliation Report.
- Optional: Operations & Maintenance (O&M) data to be provided by CLIENT and included in Performance Guarantee Reconciliation Report.

Energy Use and Savings Calculations:

(Summary of Savings Calculation Method)

- Proposed post-installation energy use based on product of the post-installation fixture power consumption, operating hours (based on post-installation M&V results), and fixture quantities for each line item in the lighting audit.
- Proposed post-installation demand based on product of the post-installation fixture power consumption, demand coincidence factor (based on operating hours (based on post-installation M&V results) and peak building demand period), and fixture quantities for each item in the lighting audit.
- Savings are the difference between the pre-installation baseline and post-installation energy use and demand.

Energy Conservation Measures (ECM) #3 – Solar Photovoltaic

Brief ECM Description: Retrofit existing solar system with low profile, high efficiency panels. Savings will result from higher operating hours and efficiency.

M&V Option: **Option B** **Protocol:** **FEMP M&V Guidelines V 3.0**

Pre-Installation M&V Activities:

(Summary of Measurements Performed, Assumptions, Other Sources of Data, Baseline Energy Use Calculation Methodology)

- Baseline energy production based on historical trend information from the existing data acquisition system.

Post-Installation M&V Activities

(Summary of Inspections, Measurements to be performed, Reporting Requirements and Submittals)

- Verified energy production based on historical trend information from the existing data acquisition system.

Annual or Periodic M&V Activities:

(Summary of Inspections, Measurements to be performed, Reporting Requirements and Submittals)

- No additional measurements required.
- Verified savings based on post-installation M&V results.
- Report deficiencies that affect energy savings to facility when they are identified, and summarize issues and response in the Performance Guarantee Reconciliation Report.
- Optional: Operations & Maintenance (O&M) data to be provided by CLIENT and included in Performance Guarantee Reconciliation Report.

Energy Production and Savings Calculations:

(Summary of Savings Calculation Method)

- Savings is the energy production value based on historical trend information & baseline utility rate structures.

Minimum Sample Sizes For Each Usage Group

Measured Value	Precision	Confidence	Z	Assumed Cv	Sample Size, n
Power, W (pre-installation)	+10%	90%	1.645	0.2	11
Power, W (post-installation)	+10%	90%	1.645	0.1	3
Hours (pre-installation)	+20%	80%	1.282	0.2	2
Hours (post-installation)	+20%	80%	1.282	0.2	2

5. Escalation Factors

Escalation factors shall be applied to the energy and maintenance Measured Savings commencing with the Performance Guarantee Period and all future periods annually as follows:

Escalation Type	Annual Rate
Energy	3%
Maintenance	2.5%

6. Material Change

The Performance Guarantee is dependent upon and is subject to the express condition that the CLIENT operates and maintains its facilities in accordance to the parameters as outlined in the projected operations per the Savings Analysis in Exhibit C during the entire term of the Performance Guarantee Period. The CLIENT agrees to notify PACIFICWEST prior to or within 30 days of any:

- (a) Material Change to operating schedules, strategies, equipment and conditions in the facility from those described in the Baseline Information.
- (b) Any other Material Changes in or at the facility that may increase or decrease energy usage, including without limitation: changes in operations, business conducted, occupancy, hours of operation, and energy consuming equipment and malfunctions, failures and related changes in energy consuming equipment; and
- (c) Any damage to or destruction of the Services that may result in a Material Change.

PACIFICWEST agrees to respond and advise CLIENT within 30 days of the receipt of a notice of Material Change. Upon review of such notice, PACIFICWEST will:

- (a) Continue the Performance Guarantee without adjustments; or,
- (b) Require an adjustment to the Performance Guarantee as a result of the Material Change; or,
- (c) Where a commercially reasonable adjustment to the Performance Guarantee is unavailable, terminate the Performance Guarantee.

Failure of the CLIENT to notify PACIFICWEST of a Material Change shall void the Performance Guarantee where a commercially reasonable adjustment is unavailable and where a Savings Shortfall cannot be prevented.

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Shawn Cabey, Assistant Superintendent Administrative Services

SUBJECT: Revised Board Policies and Administrative Regulations – First Reading

BACKGROUND:

Administrative Regulation 3230 – Federal Grant Funds - Revised

[AR revised. To align with applicable statutes (CSBA)]

Regulation updated to clarify that any federal formula or discretionary grant funds awarded to the district, including a federally funded child nutrition program according to NEW LAW (SB 544), must comply with the federal Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards. Regulation also reflects NEW FEDERAL REGULATION (82 Fed. Reg. 22609) which delays, until July 1, 2018, the date by which districts must comply with the procurement standards in the Uniform Guidance.

Administrative Regulation 3514.2 – Integrated Pest Management - Revised

[AR revised. To align with applicable statutes (CSBA)]

Regulation updated to clarify the applicability of integrated pest management requirements to child care facilities, delete an outdated date by which the annual training requirement became effective, and add requirement for pesticide-specific training. Regulation also reflects NEW STATE REGULATION (Register 2017, No. 45) which prohibits growers from making certain agricultural pesticide applications within one-quarter mile of a school site between 6:00 a.m. and 6:00 p.m. on weekdays and requires such growers to annually notify the principal regarding pesticides it expects to use during the year.

Board Policy and Administrative Regulation 3551 – Food Service Operations/Cafeteria Fund – Revised

[BP/AR revised. To align with applicable statutes (CSBA)]

Policy updated to reflect NEW LAW (SB 250) which requires districts to make their meal charge policy public and ensure that students with unpaid meal fees are not shamed or treated differently than other students. Section on "Procurement of Foods, Equipment, and Supplies" reflects NEW LAW (SB 730) which requires the California Department of Education (CDE) to provide information about the Buy American provision, NEW LAW (AB 822) which requires a preference for California-grown agricultural products with specified exceptions, and NEW LAW (SB 544) which clarifies that procurements in federally funded nutrition programs are subject to the procurement standards of the federal Uniform Guidance. Regulation updated to reflect provisions of SB 250 which require districts to notify parents/guardians within 10 days of a negative balance in their child's school meal account and to exhaust all options to enroll the student in the free and reduced-price meal program if he/she is eligible. Regulation also adds new section reflecting NEW LAW (SB 557) which authorizes donation of unused, unopened foods to a food bank or other nonprofit charitable organization.

Board Policy and Administrative Regulation 3553 – Free and Reduced Price Meals – Revised

[BP/AR revised. To align with applicable statutes (CSBA)]

Policy updated to reflect NEW LAW (SB 138) which requires districts to apply by September 1, 2018, for a federal universal meal service for "very high poverty schools," as defined, for the purpose of providing breakfast and/or lunch free of charge to all students enrolled at the school. An exception exists for districts whose board adopts a resolution stating the district is unable to comply due to fiscal hardship. Regulation updated to reflect a provision of SB 138 which requires direct certification of students' eligibility for free or reduced-price meals based on their Medi-Cal participation. In both BP and AR, section related to confidentiality and allowable purposes for sharing students' free and reduced-price meal eligibility information revised to reflect the elimination of Title I program improvement.

PROGRAM/EDUCATIONAL IMPLICATION:

None

COST ANALYSIS/FUNDING:

There are no costs associated with updating/adding the Board Policies and Administrative Regulations

ASSISTANT SUPERINTENDENT ADMINISTRATIVE SERVICES RECOMMENDATION:

Approval

Westside Union SD

Administrative Regulation- Revised

Federal Grant Funds

Business and Noninstructional Operations

AR 3230(a)

To ensure the lawful expenditure of any federal formula or discretionary grant funds awarded to the district, the Superintendent or designee shall comply with the requirements of the Office of Management and Budget's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (the "Uniform Guidance"), as contained in 2 CFR 200.0-200.521 and Appendices I-XII.

Allowable Costs

Prior to obligating or spending any federal grant funds, the Superintendent or designee shall determine whether a proposed purchase is an allowable expenditure of federal funds in accordance with 2 CFR 200.400-200.475 and the terms and conditions of the federal grant award. He/she shall also determine whether the expense is a direct or indirect cost as defined in 2 CFR 200.413 and 200.414 and, if the purchase will benefit other programs not included in the grant award, the appropriate share to be allocated to the federal grant.

(cf. 3350 - Travel Expenses)

The Superintendent or designee shall review and approve all transactions involving federal grant funds and shall ensure the proper coding of expenditures consistent with the California School Accounting Manual.

(cf. 3300 - Expenditures and Purchases)

(cf. 3314 - Payment for Goods and Services)

Period of Performance

All obligations of federal funds shall occur on or between the beginning and ending dates of the grant project and shall be paid no later than 90 days after the end of the funding period, unless specifically authorized by the grant award to be carried over beyond the initial term of the grant. (2 CFR 200.77, 200.308, 200.309, 200.343)

Procurement

~~On or before July 1, 2017, or such later date as may be approved in the Uniform Guidance, the Superintendent or designee shall comply with the standards specified in 2 CFR 200.317-200.326 and Appendix II of Part 200 when procuring goods and services needed to carry out a federal grant as well as any more restrictive state laws and district policies concerning the procurement of goods and services.~~

When procuring goods and services with a federal grant, the Superintendent or designee shall comply with the standards contained in 2 CFR 200.317-200.326 and Appendix II of Part 200, or with any applicable state law or district policy that is more restrictive.

As appropriate to encourage greater economy and efficiency, the Superintendent or designee shall avoid acquisition of unnecessary or duplicative items, give consideration to consolidating or breaking out procurements, analyze lease versus purchase alternatives, consider entering into an interagency agreement for procurement of common or shared goods and services, and/or use federal excess or surplus property. (2 CFR 200.318)

The procurement of goods or services with federal funds shall be conducted in a manner that provides full and open competition in accordance with state laws and district regulations and the following requirements:

1. Any purchase of supplies or services that does not exceed the "micro-purchase" threshold specified in 48 CFR 2.101 may be awarded without soliciting competitive quotes, provided that the district considers the price to be reasonable and maintains written evidence of this reasonableness in the record of all micro-purchases. (2 CFR 200.67, 200.320)

2. For any purchase that exceeds the micro-purchase threshold but is less than the bid limit required by Public Contract Code 20111, the Superintendent or designee shall utilize "small-purchase" procedures that include obtaining price or rate quotes from an adequate number of qualified sources. (2 CFR 200.320)

3. Contracts for goods or services over the bid limits required by Public Contract Code 20111 shall be awarded pursuant to California law and AR 3311 - Bids, unless exempt from bidding under the law.

(cf. 3311 - Bids)

4. If a purchase is exempt from bidding and the district's solicitation is by a request for proposals, the award may be made by either a fixed-price or cost-reimbursement type contract awarded to the entity whose proposal is most advantageous to the program, with price and other factors considered. (2 CFR 200.320)

(cf. 3312 - Contracts)

5. Procurement by noncompetitive proposals (sole sourcing) may be used only when the item is available from a single source, the need or emergency will not permit a delay resulting from competitive solicitation, the awarding agency expressly authorizes sole sourcing in response to the district's request, and/or competition is determined inadequate after solicitation of a number of sources. (2 CFR 200.320)

6. Time and materials type contracts may be used only after a determination that no other contract is suitable and if the contract includes a ceiling price that the contractor exceeds at its

own risk. Time and materials type contract means a contract whose cost is the sum of the actual cost of materials and direct labor hours charged at fixed hourly rates that reflect wages, general administrative expenses, and profit. (200.328)

For any purchase of \$25,000 or more, the Superintendent or designee shall verify that any vendor which is used to procure goods or services is not excluded or disqualified by the federal government. (2 CFR 180.220, 200.213)

All solicitations shall incorporate a clear and accurate description of the technical requirements for the material, product, or service to be procured. Such description shall not, in competitive procurements, contain features which unduly restrict competition. The description shall avoid detailed product specifications to the extent possible, but may include a statement of the qualitative nature of the material, product, or service to be procured and, when necessary, shall set forth those minimum essential characteristics and standards to which it must conform if it is to satisfy its intended use. When it is impractical or not economical to make a clear and accurate description of the technical requirements, a brand name or equivalent description may be used to define the performance or other salient requirements of procurement, clearly stating the specific features of the named brand which must be met by offers. In addition, every solicitation shall identify all requirements which the offer must fulfill and any other factors to be used in evaluating bids or proposals. (2 CFR 200.319)

The Superintendent or designee shall maintain sufficient records to document the procurement, including, but not limited to, the rationale for the method of procurement, selection of the contract type, contractor selection or rejection, and the basis for the contract price. (2 CFR 200.318)

The Superintendent or designee shall ensure that all contracts for purchases using federal grant funds contain the applicable contract provisions described in Appendix II to Part 200 - Contract Provisions for Non-Federal Entity Contracts Under Federal Awards. (2 CFR 200.326)

Capital Expenditures

The Superintendent or designee shall obtain prior written approval from the awarding agency before using federal funds to make capital expenditures, including the acquisition of land, facilities, equipment, and intellectual property and expenditures to make additions, improvements, modifications, replacements, rearrangements, reinstallations, renovations, or alterations to capital assets that materially increase their value or useful life. (2 CFR 200.12, 200.13, 200.20, 200.33, 200.48, 200.58, 200.89, 200.313, 200.439)

Conflict of Interest

No Board of Trustees member, district employee, or district representative shall participate in the selection, award, or administration of a contract supported by federal funds if he/she has a real or apparent conflict of interest, such as when he/she or a member of his/her immediate family, his/her partner, or an organization which employs or is about to employ any of them has a

financial interest in or a tangible personal benefit from a firm considered for a contract. Such persons are prohibited from soliciting or accepting gratuities, favors, or anything of monetary value from contractors or subcontractors unless the gift is an unsolicited item of nominal value. (2 CFR 200.318)

Employees engaged in the selection, award, and administration of contracts shall also comply with BB 9270 - Conflict of Interest.

(cf. 9270 - Conflict of Interest)

Cash Management

The Superintendent or designee shall ensure the district's compliance with 2 CFR 200.305 pertaining to payments and cash management, including compliance with applicable methods and procedures that minimize the time elapsing between the transfer of funds to the district and the district's disbursement of funds. (2 CFR 200.305)

When authorized by law, the district may receive advance payments of federal grant funds, limited to the minimum amounts needed and timed in accordance with the actual immediate cash requirements of the district for carrying out the purpose of the program or project. Except under specified conditions, the district shall maintain the advance payments in an interest-bearing account. The district shall remit interest earned on the advanced payment to the awarding agency on an annual basis, but may retain interest amounts specified in 2 CFR 200.305 for administrative expenses. (2 CFR 200.305)

When required by the awarding agency, the district shall instead submit a request for reimbursement of actual expenses incurred. The district may also request reimbursement as an alternative to receiving advance payments. (2 CFR 200.305)

The Superintendent or designee shall maintain source documentation supporting the expenditure of federal funds, such as invoices, time sheets, payroll stubs, or other appropriate documentation.

Personnel

All district employees who are paid in full or in part with federal funds, including employees whose salary is paid with state or local funds but is used to meet a required match or in-kind contribution to a federal program, shall document the amount of time they spend on grant activities. (2 CFR 200.430)

Records

Except as otherwise provided in 2 CFR 200.333, or where state law or district policy requires a longer retention period, financial records, supporting documents, statistical records, and all other district records related to a federal award shall be retained for a period of three years from the date of submission of the final expenditure report or, for a federal award that is renewed

quarterly or annually, from the date of the submission of the quarterly or annual financial report.
(2 CFR 200.333)

(cf. 1340 - Access to District Records)

(cf. 3580 - District Records)

Audits

Whenever the district expends \$750,000 or more in federal grant funds during a fiscal year, it shall arrange for either a single audit or a program-specific audit in accordance with 2 CFR 200.507 or 200.514. (2 CFR 200.501)

The Superintendent or designee shall ensure that the audit meets the requirements specified in 2 CFR 200.500-200.521.

Specified records pertaining to the audit of federal funds expended by the district shall be transmitted to the clearinghouse designated by the federal Office of Management and Budget and shall be made available for public inspection. Such records shall be transmitted within 30 days after receipt of the auditor's report or within nine months after the end of the audit period, whichever is sooner, unless a longer period is agreed to in advance by the federal agency or a different period is specified in a program-specific audit guide. (2 CFR 200.512)

In the event that the audit identifies any deficiency, the Superintendent or designee shall promptly act to either correct the identified deficiency, produce recommended improvements, or demonstrate that the audit finding is invalid or does not warrant action. (2 CFR 200.26, 200.508, 200.511)

Regulation WESTSIDE UNION SCHOOL DISTRICT
approved: November 15, 2016 Quartz Hill, California

Westside Union SD

Administrative Regulation - Revised

Integrated Pest Management

Business and Noninstructional Operations

AR 3514.2(a)

Definition

Integrated Pest Management (IPM) means a strategy that focuses on long-term prevention or suppression of pest problems through a combination of techniques such as monitoring for pest presence and establishing treatment threshold levels, using nonchemical practices to make the habitat less conducive to pest development, improving sanitation, and employing mechanical and physical controls. Pesticides that pose the least possible hazard and are effective in a manner that minimizes risks to people, property, and the environment are used only after careful monitoring indicates they are needed according to pre-established guidelines and treatment thresholds. (Education Code 17609; Food and Agricultural Code 13181) (Education Code 17609; Food and Agricultural Code 13181)

(cf. 3510 - Green School Operations)

School site means any facility used as a child day care facility or for kindergarten, elementary, or secondary school purposes and includes the buildings or structures, playgrounds, athletic fields, vehicles, or any other area of property visited or used by students. (Education Code 17609)

Procedures

The Superintendent or designee shall designate a staff person to develop, implement, and coordinate an IPM program that incorporates effective, least toxic pest management practices. The IPM coordinator shall prepare and regularly update a districtwide or school site IPM plan based on the template provided by the California Department of Pesticide Regulation (DPR).

The IPM plan and this administrative regulation shall not apply to reduced-risk pesticides, including self-contained baits or traps, gels or pastes used for crack and crevice treatments, antimicrobials, and pesticides exempt from registration by law. (Education Code 17610.5; 3-CCR 6147). The IPM coordinator shall not use any pesticide that is prohibited by DPR or the U.S. Environmental Protection Agency, as listed on the DPR web site. (Education Code 17610.1)

Program Components

The Superintendent or designee shall designate an employee at the district office and/or school site to develop, implement, and coordinate an IPM strategy that incorporates effective, least toxic pest management practices.

The IPM coordinator shall prepare and annually update a districtwide or school site IPM plan

based on the template provided by the California Department of Pesticide Regulation (DPR).

The IPM plan shall include the name of the district and/or school IPM coordinator, the pesticides expected to be applied at the school site by district employees and/or pest control applicators, and a date that the plan shall be reviewed and, if necessary, updated. (Education Code 17611.5)

The district shall use pesticides that pose the least possible hazard and are effective in a manner that minimizes risks to people, property, and the environment. Such pesticides shall only be used after careful monitoring indicates they are needed according to pre-established guidelines and treatment thresholds. (Food and Agricultural Code 13181)

The IPM plan and this administrative regulation shall not apply to reduced-risk pesticides, including self-contained baits or traps, gels or pastes used for crack and crevice treatments, antimicrobials, and pesticides exempt from registration by law. (Education Code 17610.5; 3 CCR 6147)

The district's program shall include but not necessarily be limited to, the following components:

1. Carefully monitoring and identifying the pest population levels and identifying practices that could affect pest populations. Strategies for managing the pest shall be influenced by the pest species and whether that species poses a threat to people, property, or the environment.
2. Setting action threshold levels to determine when pest populations or vegetation at a specific location might cause unacceptable health or economic hazard that would indicate corrective action should be taken.
3. Modifying or eliminating pest habitats to deter pest populations and minimize pest infestations.
4. Considering a full range of possible alternative treatments. Such alternative treatments may include taking no action or controlling the pest by physical, horticultural, or biological methods. Cost or staffing considerations alone will not be adequate justification for use of chemical control agents.
5. Selecting nonchemical pest management methods over chemical methods whenever such methods are effective in providing the desired control or, when it is determined that chemical methods must be used, giving preference to those chemicals that pose the least hazardous effects to people and the environment.

No pesticide that is prohibited by DPR or the U.S. Environmental Protection Agency, as listed on the DPR web site, shall be used at a school site. (Education Code 17610.1)

6. Limiting pesticide purchases to amounts needed for the year. Pesticides shall be stored at a secure location that is not accessible to students and unauthorized staff. They shall be stored and disposed of in accordance with state regulations and product label directions.

~~registered with the U.S. Environmental Protection Agency (EPA) as well as any disposal requirements indicated on the product label.~~

(cf. 3514 - Environmental Safety)

(cf. 3514.1 - Hazardous Substances)

7. Informing parents/guardians and employees regarding pesticide use as described in the sections "Notifications" and "Warning Signs" below.

8. Ensuring that persons applying pesticides follow label precautions and are sufficiently trained in the principles and practices of IPM, as described in the section "Training" below.

9. Evaluating the effectiveness of treatments to determine if revisions to the IPM plan are needed.

(cf. 4231—Staff Development)

Training

The IPM coordinator and any employee or contractor who may be designated to apply a pesticide at a school site shall annually complete a DPR-approved training course on IPM and the safe use of pesticides in relation to the unique nature of school sites and children's health. (Education Code 17614; Food and Agricultural Code 13186.5)

(cf. 4231 - Staff Development)

Any district employee who handles pesticides shall also receive pesticide-specific safety training prior to applying pesticides and annually thereafter in accordance with 3 CCR 6724.

~~Beginning July 1, 2016, the IPM coordinator and any employee or contractor who intends to apply a pesticide at a school site shall annually complete a DPR-approved training course on IPM and the safe use of pesticides in relation to the unique nature of school sites and children's health. (Education Code 17614; Food and Agricultural Code 13186.5)~~

Notifications

~~The IPM Coordinator shall annually notify s~~ Staff and parents/guardians of students enrolled at a school site, shall be annually notified, in writing, regarding pesticide products expected to be applied at the school facility site in the upcoming year. The notification shall include at least the following: (Education Code 17612)

2. 1. The name of each pesticide product expected to be applied in the upcoming year and the active ingredient(s) in it.

4. 2. The Internet address (<http://www.cdpr.ca.gov/schoolipm>) used to access information on pesticides and pesticide use reduction developed by the DPR pursuant to Food and Agricultural Code 13184.
3. If the school has posted its IPM plan, the Internet address where the plan may be found
4. The opportunity to view a copy of the IPM plan in the school office
5. An opportunity for interested persons to register to receive prior notification of each pesticide application at the school site.
6. Other information deemed necessary by the IPM Coordinator.

(cf. 1312.4 - Williams Uniform Complaint Procedures)
(cf. 3517 - Facilities Inspection)
(cf. 4112.9/4212.9/4312.9 - Employee Notifications)
(cf. 5145.6 - Parental Notifications)

Whenever a person registers to receive notice of individual pesticide application pursuant to item #5 above, the IPM coordinator shall notify such registered persons of individual pesticide applications at least 72 hours prior to the application. The notice shall include the product name, the active ingredient(s) in the product, and the intended date of application. (Education Code 17612)

If a pesticide product not included in the annual notification is subsequently intended for use at a school site, the IPM Coordinator shall provide written notification of its intended use to staff and parents/guardians of students enrolled at the school, at least 72 hours prior to the application. (Education Code 17612)

If a school chooses to use a pesticide not exempted pursuant to Education Code 17610.5, it shall post the school or district IPM plan on the school's web site or, if the school does not have a web site, then on the district web site. If neither the school nor district has a web site, then the IPM plan shall be included with the annual notification sent to staff and parents/guardians pursuant to Education Code 17612 as described above. ~~The plan shall include the name of the school designee or IPM coordinator, the pesticides applied at the school site by school or district employees and hired pest control applicators, and a date when the plan shall be reviewed and updated as necessary.~~ When not required, the IPM coordinator may post or distribute the IPM plan at his/her discretion. (Education Code 17611.5)

Whenever the IPM Coordinator deems that the immediate use of a pesticide is necessary to protect the health and safety of students, staff, or other persons at the school site, he/she shall make every effort to provide the required notifications prior to the application of the pesticide. (Education Code 17612)

Posting of Warning Signs

The IPM Coordinator shall post a warning sign at each area of the school site where pesticides will be applied that shall be visible to all persons entering the treated area. The sign shall be posted at least 24 hours prior to the application and shall remain posted until 72 hours after the application. The warning sign shall prominently display the following information: (Education Code 17612)

1. The term "Warning/Pesticide Treated Area"
2. The product name, manufacturer's name, and the EPA's product registration number
3. Intended areas and dates of application
4. Reason for the pesticide application

When advance posting is not possible due to an emergency condition requiring immediate use of a pesticide, to protect the health and safety of students, staff, or other persons or the school site, the warning sign shall be posted immediately upon application and shall remain posted until 72 hours after the application. (Education Code 17609, 17612)

Records

At the end of each calendar year, the IPM coordinator shall submit to the DPR, on a form provided by the DPR, a copy of the records of all pesticide use at the school site for that year, excluding any pesticides exempted by law and any pesticide use reported by the pest control operator pursuant to Food and Agricultural Code 13186. The IPM coordinator may submit more frequent reports at his/her discretion. (Education Code 17611)

Each school site shall maintain records of all pesticide use at the school for four years, and shall make the information available to the public, upon request, in accordance with the California Public Records Act. ~~Such records may be maintained~~ A school may meet this requirement by retaining a copy of the warning sign posted for each pesticide application with a recording on that copy of the amount of the pesticide used. (Education Code 17611)

(cf. 1340 - Access to District Records)

(cf. 3580 - District Records)

Pesticide Use near School Site

Upon receiving notification pursuant to 3 CCR 6692 that a grower expects to use agricultural pesticides within one-quarter mile of a school site Monday through Friday from 6:00 a.m. to 6:00 p.m., the principal or designee shall notify the Superintendent or designee, IPM coordinator, staff at the school site, and parents/guardians of students enrolled at the school.

The principal or designee may communicate with any grower within one-quarter mile of the school to request that the grower not apply pesticides during evenings or weekends when school

activities are scheduled.

Legal Reference:

~~BUSINESS AND PROFESSIONS CODE~~

~~8593.2 Licensed pest control operators; training requirements~~

EDUCATION CODE

17366 Legislative intent (fitness of buildings for occupancy)

17608-17614 Healthy Schools Act of 2000

48980 Notice at beginning of term

48980.3 Notification of pesticides

BUSINESS AND PROFESSIONS CODE

8593.2 Licensed pest control operators; training requirements

FOOD AND AGRICULTURAL CODE

11401-12408 Pest control operations and agricultural chemicals

13180-13188 Healthy Schools Act of 2000

GOVERNMENT CODE

3543.2 Scope of representation; right to negotiate safety conditions

6250-6270 California Public Records Act

CODE OF REGULATIONS, TITLE 3

6147 Pesticides exempted from registration requirements

6690-6692 Pesticide use near school sites

6724 Training of employees handling pesticides

CODE OF REGULATIONS, TITLE 8

340-340.2 Employer's obligation to provide safety information

UNITED STATES CODE, TITLE 7

136-136y Insecticide, Fungicide and Rodenticide Act

Management Resources:

CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION PUBLICATIONS

California School IPM Model Program Guidebook

Healthy Schools Act Requirements for Public K-12 Schools

School District Integrated Pest Management Plan Template

U.S. ENVIRONMENTAL PROTECTION AGENCY

~~Protecting Children in Schools from Pests and Pesticides, 2002~~

~~Pest Control in the School Environment: Adopting Integrated Pest Management, 1993~~

~~Implementing Integrated Pest Management (IPM), May 2017~~

WEB SITES

California Department of Education: <http://www.cde.ca.gov>

California Department of Pesticide Regulation, School IPM: <http://www.cdpr.ca.gov/schoolipm>

U.S. Environmental Protection Agency, Integrated Pest Management at Schools:

<http://www.epa.gov/pesticides/ipm>

<http://www.epa.gov/managing-pests-schools>

Regulation WESTSIDE UNION SCHOOL DISTRICT

approved: August 4, 2015 Quartz Hill, California

Westside Union SD

Board Policy - Revised

Food Service Operations/Cafeteria Fund

Business and Noninstructional Operations

BP 3551(a)

The Board of Trustees intends that, ~~insofar as possible,~~ school food services shall be a self-supporting, nonprofit program. To ensure program quality and ~~to~~ increase cost effectiveness the Superintendent or designee, shall centralize and direct the purchasing of foods and supplies, the planning of menus, and the auditing of all food service accounts for the district.

(cf. 3100 - Budget)

(cf. 3300 - Expenditures and Purchases)

(cf. 3311 - Bids)

(cf. 3550 - Food Service/Child Nutrition Program)

(cf. 3552 - Summer Meal Program)

(cf. 5030 - Student Wellness)

The Superintendent or designee shall ensure that all food services personnel possess the required qualifications and receive ongoing professional development related to the effective management and implementation of the district's food services program in accordance with law.

(cf. 4231 - Staff Development)

(cf. 4331 - Staff Development)

At least once each year, food service administrators, other appropriate personnel who conduct or oversee administrative procedures, and other food service personnel shall receive training provided by the California Department of Education (CDE). (42 USC 1776)

Meal Sales

Meals may be sold to students, district employees, Board members, and employees or members of the fund or association maintaining the cafeteria. (Education Code 38082)

~~In addition, M-meals~~ may be sold to nonstudents, including parents/guardians, volunteers, students' siblings, or other individuals, who are on campus for a legitimate purpose. Any meals served to nonstudents shall not be subsidized by federal or state reimbursements, food service revenues, or U.S. Department of Agriculture (USDA) foods.

Meal prices, as recommended by the Superintendent or designee and approved by the Board, shall be based on the costs of providing food services and consistent with Education Code 38084 and 42 USC 1760.

The Superintendent or designee shall establish strategies and procedures for the collection of meal payments, including delinquent meal payments, ~~and shall clearly communicate these~~

~~procedures and related district policies to students and parents/guardians. The procedures adopted by the Superintendent or designee shall conform with 2 CFR 200.426 and any applicable CDE guidance, and shall not overtly identify students with unrecovered or delinquent debt or treat them differently than other students.~~ The Superintendent or designee shall clearly communicate these procedures to students and parents/guardians, and shall make this policy and the accompanying administrative regulation available to the public.

The Superintendent or designee shall ensure that a student whose parent/guardian has unpaid school meal fees is not overtly identified, shamed, treated differently, or served a meal that differs from the meal served to other students. (Education Code 49557.5)

Students who are enrolled in the free or reduced-price meal program shall receive meals free of charge or at a reduced price in accordance with law, Board policy, and administrative regulation. Such students shall not be overtly identified or treated differently from other students.

(cf. 0410 - Nondiscrimination in District Programs and Activities)

(cf. 3553 - Free and Reduced Price Meals)

(cf. 5145.3 - Nondiscrimination/Harassment)

Cafeteria Fund

The Superintendent or designee shall establish a cafeteria fund independent of the district's general fund.

The wages, salaries and benefits of food service employees shall be paid from the cafeteria fund. At any time, the Board may order reimbursement from the district's cafeteria fund for these payments in amounts prescribed by the Board and not exceeding the costs actually incurred. (Education Code 38103)

The Superintendent or designee shall ensure that state and federal funds provided through school meal programs are allocated only for purposes related to the operation or improvement of food services and reasonable and necessary indirect program costs as allowed by law.

(cf. 3230 - Federal Grant Funds)

(cf. 3400 - Management of District Assets/Accounts)

(cf. 3460 - Financial Reports and Accountability)

Contracts with Outside Services

With Board approval, the district may enter into a contract for food service management services or food service consulting services in one or more district schools. (Education Code 45103.5; 42 USC 1758; 7 CFR 210.16)

(cf. 3312 - Contracts)

(cf. 3600 - Consultants)

Procurement of Foods

To the maximum extent practicable, foods purchased for use in school meals by the district or by any entity purchasing food on its behalf shall be domestic commodities or products. Domestic commodity or product means an agricultural commodity that is produced in the United States and a food product that is processed in the United States substantially using agricultural commodities that are produced in the United States. (42 USC 1760; 7 CFR 210.21)

A nondomestic food product may be purchased for use in the district's food service program only as a last resort when the product is not produced or manufactured in the United States in sufficient and reasonable quantities of a satisfactory quality, or when competitive bids reveal the costs of a United States product are significantly higher than the nondomestic product. In such cases, the Superintendent or designee shall retain documentation justifying the exception.

Furthermore, the district shall accept a bid or price for an agricultural product grown in California before accepting a bid or price for an agricultural product grown outside the state, if the quality of the California-grown product is comparable and the bid or price does not exceed the lowest bid or price of a product produced outside the state. (Food and Agriculture Code 58595)

Bid solicitations and awards for purchases of equipment, materials, or supplies in support of the district's child nutrition program, or for contracts awarded pursuant to Public Contract Code 2000, shall be consistent with the federal procurement standards in 2 CFR 200.318-200.326. Awards shall be let to the most responsive and responsible party. Price shall be the primary consideration, but not the only determining factor, in making such an award. (Public Contract Code 20111)

Program Monitoring and Evaluation

The Superintendent or designee shall present to the Board, at least annually, financial reports regarding revenues and expenditures related to the food service program.

The Superintendent or designee shall provide all necessary documentation required for the Administrative Review conducted by the CDE to ensure compliance of the district's food service program with federal requirements related to maintenance of the nonprofit school food service account, meal charges, paid lunch equity, revenue from nonprogram goods, indirect costs, and USDA foods.

(cf. 3555 - Nutrition Program Compliance)

Legal Reference:

EDUCATION CODE

38080-38086 Cafeteria, establishment and use

38090-38095 Cafeterias, funds and accounts

38100-38103 Cafeterias, allocation of charges
42646 Alternate payroll procedure
45103.5 Contracts for management consulting services; restrictions
49490-49493 School breakfast and lunch programs
49500-49505 School meals
49554 Contract for services
49550-495624.5 Meals for needy students
49580-49581 Food recovery program
HEALTH AND SAFETY CODE
113700-114437 California Retail Food Code
PUBLIC CONTRACT CODE
2000-2002 Responsive bidders
20111 Contracts
CODE OF REGULATIONS, TITLE 5
15550-15565 School lunch and breakfast programs
UNITED STATES CODE, TITLE 42
1751-1769j School lunch programs
1771-1791 Child nutrition, including:
1773 School breakfast program
CODE OF FEDERAL REGULATIONS, TITLE 2
200.56 Indirect costs, definition
200.318-200.326 Procurement standards
200.400-200.475 Cost principles
200 Appendix VII Indirect cost proposals
CODE OF FEDERAL REGULATIONS, TITLE 7
210.1-210.31 National School Lunch Program
220.1-220.21 National School Breakfast Program
250.1-250.70 USDA foods

Management Resources:

CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS

California School Accounting Manual

Food Distribution Program Administrative Manual

Storage and Inventory Management of U.S. Department of Agriculture Foods, NSD

Management Bulletin, FDP-01-2018, January 2018

Unpaid Meal Charges: Local Meal Charge Policies, Clarification on Collection of Delinquent Meal Payments, and Excess Student Account Balances, NSD Management Bulletin, SNP-03-2017, April 2017

Clarification for the Use of Alternate Meals in the National School Lunch and School Breakfast Programs, Bad Debt Policies, and the Handling of Unpaid Meal Charges, NSD Management Bulletin USDA-SNP-06-2015, May 2015

Cafeteria Funds--Allowable Uses, NSD Management Bulletin, NSD-SNP-07-2013, May 2013
Paid Lunch Equity Requirement, NSD Management Bulletin, USDA-SNP-16-2012, October 2012

~~Storage and Inventory Management of United States Department of Agriculture (USDA)~~

Adult and Sibling Meals in the National School Lunch and School Breakfast Programs, NSD
Management Bulletin 00-111, July 2000

~~Donated Foods, Management Bulletin USDA-FDP-02-2010, August 2010~~

U.S. DEPARTMENT OF AGRICULTURE PUBLICATIONS

FAQs About School Meals

Unpaid Meal Charges: Guidance and Q&A, SP 23-2017, March 2017

Indirect Costs: Guidance for State Agencies and School Food Authorities, SP 60-2016,
September 2016

Overcoming the Unpaid Meal Challenge: Proven Strategies from Our Nation's Schools,
September 2016

Unpaid Meal Charges: Local Meal Charge Policies, SP 46-2016, July 2016

Compliance with and Enforcement of the Buy American Provision in the National School Lunch
Program, SP 24-2016, February 2016

Discretionary Elimination of Reduced Price Charges in the School Meal Programs, SP 17-2014,
January 2014

WEB SITES

California Department of Education, Nutrition Services Division: <http://www.cde.ca.gov/ls/nu>

California School Nutrition Association: <http://www.calsna.org>

U.S. Department of Agriculture, Food and Nutrition Service: <http://www.fns.usda.gov/cnd>

Policy WESTSIDE UNION SCHOOL DISTRICT

adopted: June 26, 2014 Quartz Hill, California

revised: October 17, 2017

Westside Union SD

Administrative Regulation - Revised

Food Service Operations/Cafeteria Fund

Business and Noninstructional Operations

AR 3551(a)

Payments for Meals

With the exception of students who are eligible to receive meals at no cost, students may pay on a per meal basis or may submit payments in advance. The Superintendent or designee shall maintain a system for accurately recording payments received and tracking meals provided to each student.

(cf. 3550 - Food Service/Child Nutrition Program)

(cf. 3552 - Summer Meal Program)

(cf. 3553 - Free and Reduced Price Meals)

(cf. 3555 - Nutrition Program Compliance)

At the beginning of the school year, and whenever a student enrolls during the school year, parents/guardians shall be notified of the district's meal payment policies and encouraged to prepay for meals whenever possible. The Superintendent or designee shall communicate the district's meal payment policies through multiple methods, including, but not limited to:

1. Explaining the meal charge policy within registration materials provided to parents/guardians at the start of the school year
2. Including the policy in print versions of student handbooks, if provided to parents/guardians annually
3. Providing the policy whenever parents/guardians are notified regarding the application process for free and reduced-price meals, such as in the distribution of applications at the start of the school year
4. Posting the policy on the district's web site
5. Establishing a system to notify parents/guardians when a student's meal payment account has a low or negative balance

(cf. 1113 - District and School Web Sites)

(cf. 5145.6 - Parental Notifications)

Unpaid and Delinquent Meal Charges

No later than 10 days after a student's school meal account has reached a negative balance, the Superintendent or designee shall so notify the student's parent/guardian. Before sending this

notification, the district shall exhaust all options and methods to directly certify the student for free or reduced-price meals. If the district is not able to directly certify the student, the notice to the parent/guardian shall include a paper copy of, or an electronic link to, an application for free or reduced-price meals and the Superintendent or designee shall contact the parent/guardian to encourage submission of the application. (Education Code 49557.5)

The district may attempt to collect unpaid school meal fees from a parent/guardian, but shall not use a debt collector. (Education Code 49557.5)

~~Students and their parents/guardians shall be notified whenever their account has a negative balance. Whenever a student's account has an unpaid balance of \$25 or more, parents/guardians shall be notified in writing that full payment is due within seven school days from the date of the notice.~~

~~In cases of repeated nonpayment by a student, the Superintendent or designee may contact parents/guardians to discuss the reasons for the nonpayment. The Superintendent or designee may evaluate individual circumstances to determine if the student's parents/guardians need assistance completing an application for free or reduced-price meals or need referral to social services.~~

The Superintendent or designee may enter into a repayment agreement plan with a student's parents/guardians for payment of the student's unpaid meal charge balance over a period of time. As necessary, the repayment plan may allow the unrecovered or delinquent debt to carry over into the next fiscal year.

The district shall not direct any action toward a student to collect unpaid school meal fees. (Education Code 49557.5)

The district's efforts to collect debt shall be consistent with district policies and procedures, California Department of Education (CDE) guidance, and 2 CFR 200.426. The district shall not spend more than the actual debt owed in efforts to recover unpaid meal charges.

The Superintendent or designee shall maintain records of the efforts made to collect unpaid meal charges and, if applicable, financial documentation showing when the unpaid meal balance has become an operating loss.

~~In order to avoid potential misuse of a student's food service account by someone other than the student in whose name the account has been established, the Superintendent or designee shall verify a student's identity when setting up the account and when charging any meal to the account. The Superintendent or designee shall investigate any claim that a bill does not belong to a student or is inaccurate, shall not require a student to pay a bill that appears to be the result of identity theft, and shall open a new account with a new account number for a student who appears to be the subject of identity theft.~~

(ef. 1340—Access to District Records)

(cf. 3580—District Records)

~~Any payments made to a student's food service account shall, if not used within the school year, be carried over into the next school year or be refunded to the student's parents/guardians.~~

Reimbursement Claims

The Superintendent or designee shall maintain records of the number of meals served each day by school site and by category of free, reduced-price, and full-price meals. The Superintendent or designee shall submit reimbursement claims for school meals to the CDE using the online Child Nutrition Information and Payment System.

Donation of Leftover Food

To minimize waste and reduce food insecurity, the district may provide sharing tables where students and staff may return appropriate unused cafeteria food items to be made available to students during the course of a regular school meal time. If food on the sharing tables is not taken by a student, the school cafeteria may donate the food to a food bank or any other nonprofit charitable organization. (Health and Safety Code 114079)

Food that may be donated includes prepackaged, nonpotentially hazardous food with the packaging still intact and in good condition, whole uncut produce, unopened bags of sliced fruit, unopened containers of milk that are immediately stored in a cooling bin maintained at 41 degrees Fahrenheit or below, and perishable prepackaged food if it is placed in a proper temperature-controlled environment. The preparation, safety, and donation of food shall be consistent with Health and Safety Code 113980. (Health and Safety Code 114079)

Cafeteria Fund

All proceeds from food sales and other services offered by the cafeteria shall be deposited in the cafeteria fund as provided by law. The income and expenditures of any cafeteria revolving account established by the Board of Trustees shall be recorded as income and expenditures of the cafeteria fund. (Education Code 38090, 38091;)

(cf. 3100 - Budget)

(cf. 3300 - Expenditures and Purchases)

The cafeteria fund shall be used only for those expenditures authorized by the Board as necessary for the operation of school cafeterias in accordance with Education Code 38100-38103, 2 CFR Part 200 Appendix VII, and the California School Accounting Manual.

Any charges to, or transfers from, a food service program shall be dated and accompanied by a written explanation of the expenditure's purpose and basis. (Education Code 38101)

(cf. 3110 - Transfer of Funds)

Indirect costs charged to the food service program shall be based on either the district's prior year indirect cost rate or the statewide average approved indirect cost rate for the second prior fiscal year, whichever is less. (Education Code 38101)

Net cash resources in the nonprofit school food service shall not exceed three months average expenditures. (2 CFR 210.14)

U.S. Department of Agriculture Foods

The Superintendent or designee shall ensure that foods received through the U.S. Department of Agriculture (USDA) are handled, stored, and distributed in facilities which: (7 CFR 250.14)

1. Are sanitary and free from rodent, bird, insect, and other animal infestation
2. Safeguard foods against theft, spoilage, and other loss
3. Maintain foods at proper storage temperatures
4. Store foods off the floor in a manner to allow for adequate ventilation
5. Take other protective measures as may be necessary

The Superintendent or designee shall maintain inventories of USDA foods in accordance with 7 CFR 250.59 and CDE procedures, and shall ensure that foods are used before their expiration dates.

USDA donated foods shall be used in school lunches as far as practicable. USDA foods also may be used in other nonprofit food service activities, including, but not limited to, school breakfasts or other meals, a la carte foods sold to students, meals served to adults directly involved in the operation and administration of the food service and to other school staff, and training in nutrition, health, food service, or general home economics instruction for students, provided that any revenues from such activities accrue to the district's nonprofit food service account. (7 CFR 250.59)

Contracts with Outside Services

The term of any contract for food service management or consulting services shall not exceed one year. Any renewal of the contract or further requests for proposals to provide such services shall be considered on a year-to-year basis. (Education Code 45103.5; 7 CFR 210.16)

Any contract for management of the food service operation shall be approved by CDE and comply with the conditions in Education Code 49554 and 7 CFR 210.16 as applicable. The district shall retain control of the quality, extent, and general nature of its food services, including prices to be charged to students for meals, and shall monitor the food service operation through periodic on-site visits. The district shall not enter into a contract with a food service

company to provide a la carte food services only, unless the company agrees to offer free, reduced-price, and full-price reimbursable meals to all eligible students. (Education Code 49554; 42 USC 1758; 7 CFR 210.16)

Any contract for consulting services shall not result in the supervision of food service classified staff by the management consultant, nor shall it result in the elimination of any food service classified staff or position or have any adverse effect on the wages, benefits, or other terms and conditions of employment of classified food service staff or positions. All persons providing consulting services shall be subject to applicable employment conditions related to health and safety as listed in Education Code 45103.5. (Education Code 45103.5)

(cf. 3312 - Contracts)

(cf. 3515.6 - Criminal Background Checks for Contractors)

(cf. 3600 - Consultants)

(cf. 4112.4/4212.4/4312.4 - Health Examinations)

(cf. 4212 - Appointments and Conditions of Employment)

Regulation WESTSIDE UNION SCHOOL DISTRICT

approved: June 26, 2014 Quartz Hill, California

revised: October 17, 2017

Westside Union SD

Board Policy - Revised

Free And Reduced Price Meals

Business and Noninstructional Operations

BP 3553(a)

The Board of Trustees recognizes that adequate nutrition is essential to development, health and learning of all students. The Superintendent or designee shall facilitate and encourage the participation of students from low-income families in the district's food service program. The district shall provide at least one nutritionally adequate meal each school day, free of charge or at a reduced price, for students whose families meet federal eligibility criteria. (Education Code 49550, 49552)

(cf. 3551 - Food Service Operations/Cafeteria Fund)

(cf. 3552 - Summer Meal Program)

(cf. 5030 - Student Wellness)

(cf. 5148 - Child Care and Development)

(cf. 5148.2 - Before/After School Programs)

(cf. 6177 - Summer Learning Programs)

To provide optimal nutrition and reduce the administrative burden of food service operations, the Superintendent or designee shall assess the eligibility of district schools to provide breakfast and/or lunch free of charge to all students at the school under a federally funded universal meal service provision, such as Provision 2 or the Community Eligibility Provision, pursuant to 42 USC 1759a.

If any district school meets the criteria for a "very high poverty school" through its eligibility for the federal Community Eligibility Provision reimbursement rate pursuant to 42 USC 1759a, the district shall apply to the California Department of Education (CDE) to operate a universal meal service, unless the Board adopts a resolution stating that the district is unable to comply with this requirement due to fiscal hardship. The resolution shall be part of the public agenda for at least two consecutive Board meetings, first as an information item and then as an action item. The Board shall reconsider the resolution at least once every four years. (Education Code 49564; 42 USC 1759a)

The Superintendent or designee shall ensure that meals provided through the free and reduced-price meal program meet applicable state and/or federal nutritional standards in accordance with law, Board policy, and administrative regulation.

(cf. 3550 - Food Service/Child Nutrition Program)

The Board shall approve a plan that ensures that students eligible to receive free or reduced price meals and milk are not treated differently from other students. Upon approval of the Board, this plan shall be submitted to the California Department of Education for approval. (Education Code 49557)

(cf. 0410 - Nondiscrimination in District Programs and Activities)
(cf. 3555 - Nutrition Program Compliance)
(cf. 5145.3 - Nondiscrimination/Harassment)

Confidentiality/Release of Records

All applications and records related to eligibility for the free and reduced-price meal program shall be confidential and may not be released except as provided by law and authorized by the Board or pursuant to a court order. (Education Code 49558)

(cf. 5125 - Student Records)

The Board authorizes designated employees to use individual records pertaining to student eligibility for any free and reduced price meal program for the purposes of: (Education Code 49558)

1. Disaggregation of academic achievement data
(cf. 6162.51 - State Academic Achievement Tests)

2. ~~Identification of students eligible for alternative supports in any school identified as a Title I program improvement school~~—Identification of students eligible for services under the federal Elementary and Secondary Education Act pursuant to 20 USC 6301-6576

†

(cf. 6171 - Title I Programs)

If a student transfers from the district to another district, charter school, county office of education program, or private school, the Superintendent or designee may share the student's meal eligibility information to the other educational agency to assist in the continuation of the student's meal benefits.

The Superintendent or designee may release the name and eligibility status of a student participating in the free or reduced-price meal program to another school district, charter school, or county office of education that is serving a student living in the same household for purposes related to program eligibility and data used in local control funding formula calculations. (Education Code 49558)

The Superintendent or designee may release the name and eligibility status of a student participating in the free or reduced-price meal program to the Superintendent of Public Instruction for purposes of determining allocations under the local control funding formula and for assessing accountability of that funding. (Education Code 49558)

The Superintendent or designee may release information on the school lunch program application to the local agency that determines eligibility for participation in the Medi-Cal program if the student has been approved for free meals or, if included in the agreement with the

local agency, for reduced-price meals. He/she also may release information on the school lunch application to the local agency that determines eligibility for CalFresh or another nutrition assistance program authorized under 7 CFR 210.1 if the student has been approved for free or reduced-price meals. Information may be released for these purposes only if the student's parent/guardian consents to the sharing of information and the district has entered into a memorandum of understanding with the local agency which, at a minimum, includes the roles and responsibilities of the district and local agency and the process for sharing the information. After sharing information with the local agency for purposes of determining eligibility for that program, no further information shall be shared unless otherwise authorized by law. (Education Code 49557.2, 49557.3, 49558)

(cf. 5141.6 - School Health Services)

Legal Reference:

EDUCATION CODE

48980 Notice at beginning of term
 49430-49434 Pupil Nutrition, Health, and Achievement Act of 2001
 49490-49494 School breakfast and lunch programs
 49500-49505 School meals
 49510-49520 Nutrition
 49530-49536 Child Nutrition Act of 1974
 49547-49548.3 Comprehensive nutrition service
 49550-49562.5 Meals for needy students

CODE OF REGULATIONS, TITLE 5

15510 Mandatory meals for needy students
 15530-15535 Nutrition education
 15550-15565 School lunch and breakfast programs

UNITED STATES CODE, TITLE 20

1232g Federal Educational Rights and Privacy Act
 6301-651476 Title I programs-Elementary and Secondary Education Act

UNITED STATES CODE, TITLE 42

1751-1769j School lunch program
 1771-1791 Child nutrition, especially:
 1773 School breakfast program

CODE OF FEDERAL REGULATIONS, TITLE 7

210.1-210.31 National School Lunch Program
 220.10-220.21 National School Breakfast Program
 245.1-245.13 Determination of eligibility for free and reduced-price meals and free milk

~~WELFARE AND INSTITUTIONS CODE~~

14005.41 Basic health care

Management Resources:

CSBA PUBLICATIONS

Monitoring for Success: A Guide for Assessing and Strengthening Student Wellness Policies, 2012

Student Wellness: A Healthy Food and Physical Activity Policy Resource Guide, 2012

CALIFORNIA DEPARTMENT OF EDUCATION MANAGEMENT BULLETINS-
PUBLICATIONS

Direct Certification Implementation Checklist
Free and Reduced-Price Meals: Universal Meal Service, Nutrition Services Division Management Bulletin SNP-01-2018, January 2018
U.S. NSD SNP-12-2015 Updated Guidance on Sharing of School Meal Applications and the Passing of Assembly Bill 1599, July 2015

USDA SNP-07-2010 Change in Free and Reduced Price Meal Application Approval Process, September 2010

CALIFORNIA DEPARTMENT OF EDUCATION PUBLICATIONS

Feed More Kids, Improve Program Participation

Direct Certification Implementation Checklist, May 2008

U.S. DEPARTMENT OF AGRICULTURE PUBLICATIONS

Eligibility Manual for School Meals: Determining and Verifying Eligibility, July 2015

U.S. DEPARTMENT OF AGRICULTURE PUBLICATIONS (continued)

Provision 2 Guidance: National School Lunch and School Breakfast Programs, Summer 2002

WEB SITES

CSBA: <http://www.csba.org>

California Department of Education, Nutrition Services Division: <http://www.cde.ca.gov/ls/nu>

California Food Policy Advocates: <http://cfpa.net>

California Healthy Kids Resource Center: <http://www.californiahealthykids.org>

California Project LEAN (Leaders Encouraging Activity and Nutrition):

<http://www.californiaprojectlean.org>

U.S. Department of Agriculture, Food and Nutrition Service: <http://www.fns.usda.gov/cnd>

Policy WESTSIDE UNION SCHOOL DISTRICT

adopted: June 27, 2013 Quartz Hill, California

revised: November 1, 2016

Westside Union SD

Administrative Regulation - Revised

Free And Reduced Price Meals

Business and Noninstructional Operations

AR 3553(a)

Nondiscrimination Plan

The district's plan for students receiving free or reduced price meals shall ensure the following: (Education Code 49557; 42 USC 1758)

1. The names of the students shall not be published, posted or announced in any manner, or used for any purpose other than the National School Lunch and School Breakfast Programs, unless otherwise provided by law.
2. There shall be no overt identification of any of the students by the use of special tokens or tickets or by any other means.
3. The students shall not be required to work for their meals or for milk.
4. The students shall not be required to use a separate dining area, go through a separate serving line or entrance, or consume their meals or milk at a different time.

When more than one lunch, breakfast or type of milk is offered, the students shall have the same choice of meals or milk as is available to those students who pay the full price. (Education Code 49557; 7 CFR 245.8)

(cf. 0410 - Nondiscrimination in District Programs and Activities)
(cf. 3555 - Nutrition Program Compliance)

Applications

The Superintendent or designee shall ensure that the district's application form for free and reduced-price meals and related materials include the statements specified in Education Code 49557 and 7 CFR 245.5. In addition, the district's application packet shall include the notifications and information listed in Education Code 49557.2.

An application form and related information shall be distributed in paper form to all parents/guardians at the beginning of each school year, and shall be available to students, at all times during the school day, only when requested. (Education Code 48980, 49520; 42 USC 1758; 7 CFR 245.5)

(cf. 5145.6 - Parental Notifications)

In addition, the district application form for free and reduced price meals shall be available

online. The online application form shall require completion of only those questions necessary for determining eligibility, contain clear instructions for families that are homeless or migrant, and comply with other requirements specified in Education Code 49557.

The application form and related information shall also be provided whenever a new student is enrolled.

At the beginning of each school year, the Superintendent or designee shall send a public release, containing the same information supplied to parents/guardians and including eligibility criteria, to local media, the local unemployment office, and any major employers in the district attendance area contemplating large layoffs. Copies of the public release shall be made available upon request to any interested person. (7 CFR 245.5)

Eligibility

The Superintendent or designee shall determine students' eligibility for the free and reduced-price meal program based on the criteria specified in 42 USC 1758 and 1773 and 7 CFR 245.1-245.13 and made available by the California Department of Education.

Participants in the CalFresh, California Work Opportunity and Responsibility to Kids (CalWORKS), and Medi-Cal programs shall be directly certified for enrollment in the free and reduced-price meal program without further application. When authorized by law, participants in other federal or state programs may be directly certified without further application, for enrollment in the free and reduced-price meals program. (Education Code 49561; 49562; 42 USC 1758; 7 CFR 245.6)

(cf. 6173 - Education for Homeless Children)

(cf. 6173.1 - Education for Foster Youth)

(cf. 6175 - Migrant Education Program)

Verification of Eligibility

Not later than November 15 of each year, the Superintendent or designee shall verify the eligibility of a sample of household applications approved for the school year in accordance with the sample sizes and procedures specified in 42 USC 1758 and 7 CFR 245.6a. (42 USC 1758; 7 CFR 245.6a)

If the review indicates that the initial eligibility determination is correct, the Superintendent or designee shall verify the approved household application. If the review indicates that the initial eligibility determination is incorrect, the Superintendent or designee shall: (42 USC 1758; 7 CFR 245.6a)

1. If the eligibility status changes from reduced price to free, make the increased benefits immediately available and notify the household of the change in benefits

2. If the eligibility status changes from free to reduced price, first verify the application, then notify the household of the correct eligibility status, and, when required by law, send a notice of adverse action as described below
3. If the eligibility status changes from free or reduced price to paid, send the household a notice of adverse action as described below

If any household is to receive a reduction or termination of benefits as a result of verification activities, or if the household fails to cooperate with verification efforts, the Superintendent or designee shall reduce or terminate benefits, as applicable, and shall properly document and retain on file in the district the reasons for ineligibility. He/she also shall send a notice of adverse action to any household that is to receive a reduction or termination of benefits. Such notice shall be provided 10 days prior to the actual reduction or termination of benefits. The notice shall advise the household of: (7 CFR 245.6a)

1. The change and the reasons for the change
2. The right to appeal, when the appeal must be filed to ensure continued benefits while awaiting a hearing and decision, and instructions on how to appeal
3. The right to reapply at any time during the school year

Confidentiality/Release of Records

The Superintendent designates the following district employees to use individual records pertaining to student participation in the free and reduced price meals program for the purpose of disaggregation of academic achievement data and/or for the identification of students who are eligible for alternative supports in a Title I program improvement school provision of services under the federal Elementary and Secondary Education Act pursuant to 20 USC 6301-6576.

(title or position)

Assistant Superintendent Educational Services
 Principal, Anaverde Hills
 Principal, Cottonwood
 Principal, Del Sur
 Principal, Esperanza
 Principal, Gregg Anderson
 Principal, Hillview
 Principal, Joe Walker
 Principal, Leona Valley
 Principal, Quartz Hill
 Principal, Rancho Vista
 Principal, Sundown

Principal, Valley View
Principal, Westside Academy

In using the records for such purposes, the Superintendent or designee shall ensure that:
(Education Code 49558)

1. No individual indicators of participation in the free and reduced price meals program shall be maintained in the permanent records of any students if not otherwise allowed by law.

(cf. 5125 - Student Records)

2. Information regarding individual student participation in the free and reduced price meals program shall not be publicly released.

(cf. 4119.23/4219.23/4319.23 - Unauthorized Release of Confidential/Privileged Information)

3. All other confidentiality provisions required by law shall be met.

4. Information collected regarding individual students certified to participate in the free and reduced-price meals program shall be destroyed when no longer needed for its intended purpose.

Prices

The maximum price that shall be charged to eligible students for reduced-price meals shall be 40 cents for lunch and 30 cents for breakfast. (42 USC 1758, 1773)

Regulation WESTSIDE UNION SCHOOL DISTRICT
approved: June 27, 2013 Quartz Hill, California
revised: June 28, 2016
revised: November 1, 2016

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Wayne Trussell, Director of Maintenance & Operations

SUBJECT: Award of Bid: Quartz Hill Elementary Exterior Painting

BACKGROUND:

Bids were accepted May 29, 2018 for exterior painting at Quartz Hill Elementary School.

Bids were received as follows:

Bidder	Bid Amount
Prime Painting Contractors Inc.	\$114,000.00
Color New Co.	\$124,000.00
Cali Painting	\$112,400.00

The Board is requested to award the bid to Cali Painting.

PROGRAM/EDUCATIONAL IMPLICATION:

Bidding provides for competitive pricing for the painting project.

COST ANALYSIS/FUNDING SOURCE:

The cost of \$112,400.00 will be funded out of Restricted Maintenance.

ASSISTANT SUPERINTENDENT ADMINISTRATIVE SERVICES RECOMMENDATION:

Approval

BOARD AGENDA

June 5, 2018

TO: BOARD OF TRUSTEES

PREPARED BY: Wayne Trussell, Director Maintenance, Operations & Facilities

SUBJECT: Bruns Belmont : Credit Change Order 1, Cottonwood

BACKGROUND:

Monies that remain in Phase 1 Project Construction Contingency.
These Contingencies were included in the original contract price for items that were unknown at bid time and the District elected to not spend or was completed under Phase 2 or 3 Contract

PROGRAM/EDUCATIONAL IMPLICATION:

Functionality and safety

COST ANALYSIS/FUNDING SOURCE:

Credit \$3,041,759.50

Funding Sources: CREDIT - GO Bond Funds/School Facilities Fund/Anaverde Settlement Fund/General Fund.

ASSISTANT SUPERINTENDENT ADMINISTRATIVE SERVICES RECOMMENDATION:

Approval

AIA® Document G701™ – 2001

Change Order

PROJECT (Name and address):	CHANGE ORDER NUMBER: 001	OWNER: <input type="checkbox"/>
Cottonwood E.S. - Phase I	DATE: May 21, 2018	ARCHITECT: <input type="checkbox"/>
Construction of (7) CR Bldgs		CONTRACTOR: <input type="checkbox"/>
2740 West Avenue P8		FIELD: <input type="checkbox"/>
Palmdale, CA 93551		OTHER: <input type="checkbox"/>
TO CONTRACTOR (Name and address):	ARCHITECT'S PROJECT NUMBER: 2540.100	
Bruns Belmont Construction	CONTRACT DATE: November 3, 2015	
1125 Mabury Road	CONTRACT FOR: General Construction	
San Jose, CA 95133		

THE CONTRACT IS CHANGED AS FOLLOWS:

(Include, where applicable, any undisputed amount attributable to previously executed Construction Change Directives)
See attached sheets for explanation.

The original Contract Sum was	\$ 12,588,000.00
The net change by previously authorized Change Orders	\$ 0.00
The Contract Sum prior to this Change Order was	\$ 12,588,000.00
The Contract Sum will be decreased by this Change Order in the amount of	\$ 3,041,759.50
The new Contract Sum including this Change Order will be	\$ 9,546,240.50

The Contract Time will be increased by zero (0) days.

The date of Substantial Completion as of the date of this Change Order therefore is unchanged.

NOTE: This Change Order does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

<u>Flewelling & Moody, Inc.</u>	<u>Bruns Belmont Construction</u>	<u>Westside Union School District</u>
ARCHITECT (Firm name)	CONTRACTOR (Firm name)	OWNER (Firm name)
<u>1035 West Lancaster Blvd.</u>	<u>1125 Mabury Road</u>	<u>41914 North 50th Street West</u>
<u>Lancaster, CA 93534</u>	<u>San Jose, CA 95133</u>	<u>Quartz Hill, CA 93536</u>
ADDRESS	ADDRESS	ADDRESS
<u>BY (Signature)</u>	<u>BY (Signature)</u>	<u>BY (Signature)</u>
<u>Matthew C. Buchanan, AIA, LEED® AP</u>	<u>Lestic Puccio</u>	<u>Shawn Cabey, Asst. Superintendent</u>
(Typed name)	(Typed name)	(Typed name)
<u>DATE</u>	<u>DATE</u>	<u>DATE</u>



FLEWELLING & MOODY
architects for education

Cottonwood Elementary School -- Phase 1
Flewelling & Moody Job No. 2540.100
Change Order No. 1; Page 1 of 2

CHANGE ORDER NO. 1
May 21, 2018

ITEM NO. 1

Description: Deduct from Project Construction Contingency of \$429,566.00 an amount of \$289,169.67 as per PCO #'s 2, 3, 5R, 6R2, 7R3, 8R4, 9R2, 11, 12, 14R1, 16, 17, 19R1, 20R2, 21, 24, 25, 26, 27, 28, 29R2, 30, and 31.

Requested By: District

Reason: Actual additional project costs are subtracted against Project Construction Contingency. A credit is due to District for unused amounts.

Cost: Deduct: -\$140,396.33

Time Extension: N/A

ITEM NO. 2

Description: Credit for \$327,122.00 of Earthquake & Flood Insurance Deductible

Requested By: District

Reason: Earthquake & Flood Insurance deductible was not used. A credit is due to District for 100% of contingency.

Cost: Deduct: -\$327,122.00

Time Extension: N/A

ITEM NO. 3

Description: Deduct from Low Voltage Allowance of \$2,600,000.00 an amount of \$283,835.13 as per PCO #'s 1, 10R, 13R2, and 18.

Requested By: District

Reason: Low voltage plans were not available at time of bid. Actual cost of low voltage improvements are less than allowance, a credit is due to District for unused amounts.

Cost: Deduct: -\$2,316,164.87

Time Extension: N/A



FLEWELLING & MOODY

architects for education

Cottonwood Elementary School -- Phase 1
Flewelling & Moody Job No. 2540,100
Change Order No. 1; Page 2 of 2

ITEM NO. 4

Description:	Deduct from total landscape allowance of \$640,000.00 an amount of \$381,923.70 for actual cost of landscape improvements.
Requested By:	District
Reason:	Actual landscape improvement costs are subtracted from total landscape allowance. A credit is due to District for unused amounts.
Cost:	Deduct: -\$258,076.3
Time Extension:	N/A