



Submission

ID **2512**

Tier: 3
 Expenditure Plans this Fiscal Year: 2017-18
 Submittal Option: Multiple-Year (bundled) Award Expenditure Plan

Grant Amount Requested: \$1,427,559.00
 Grant Balance Available: \$1,475,535.00

Applicant Information

Local Education Agency Name: Western Placer Unified
 LEA CDS Code: 31669510000000
 Mailing Address: 600 Sixth Street, Suite 400
 City: Lincoln
 Zip Code: 95648-1825

Energy Planning Reservation Information

Did you request Energy Planning Funds? (If no, move on to next section) Yes

| | | | |
|---|--------------------|--|--------------------|
| Budget for Screening and Energy Audits: | <u>\$47,976.00</u> | Amount Spent for Screening and Audits: | <u>\$47,976.00</u> |
| Budget for Proposition 39 Program Assistance: | _____ | Amount Spent for Program Assistance: | _____ |
| Budget for Energy Manager: | _____ | Amount Spent for Energy Manager: | _____ |
| Budget for Training Totals: | _____ | Amount Spent for Training: | _____ |
| Totals: | <u>\$47,976.00</u> | Totals: | <u>\$47,976.00</u> |

Energy Manager and Training

Are you hiring an Energy Manager with Funds Requested in this Expenditure Plan? No Amount Requesting for Energy Manager: _____
 Are you using Proposition 39 funds for energy related training costs? No Amount Requesting for Training: _____

Summary of Schools/Sites

| | | | |
|-------------------|---|---|--|
| Estimated Totals: | Total Project Cost <u>\$1,709,911.00</u> | Proposition 39 Share <u>\$1,427,559.00</u> | Summation is for 5 Schools |
|-------------------|---|---|--|

Job Creation Benefits Estimation

| Type of Project | Budget | Estimated Direct Job-Years Created | Please list any state-certified apprenticeship programs being used: |
|----------------------|-----------------------|------------------------------------|---|
| Energy Efficiency | <u>\$1,427,559.00</u> | <u>7.99</u> | |
| Renewable Generation | _____ | _____ | |
| Distributed Energy | _____ | _____ | |
| Total: | | <u>7.99</u> | |

| Budget | Estimated Apprenticeship Job-Years Created | Will this project be subject to a community benefits agreement, community workforce agreement, or other mechanism that defines project co-benefits? |
|--------|--|---|
| _____ | _____ | |

| Other Trainee Position Title | Estimated Other Trainee Jobs Created |
|------------------------------|--------------------------------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| Total: | _____ |

Self-Certifications

- Yes The LEA followed the Proposition 39 Guidelines regarding Eligible Energy Project Prioritization Considerations.
- Yes The LEA followed the guidelines regarding Sequencing of Facility Improvements
- Yes The LEA commits to use the funds for the eligible energy project(s) approved in its energy expenditure plan.
- Yes The LEA commits that the information included in the application is true and correct based to the best of the LEA's knowledge.
- Yes The LEA commits that all California Environmental Quality Act (CEQA) requirements are completed.
- Yes The LEA will obtain DSA project approval as applicable pursuant to California Code Regulations, Title 14.
- Yes The LEA acknowledges that the expenditures are subject to financial audit requirements
- Yes The LEA commits to complying with all reporting requirements.

Authorized Representative: Stanley Brandl Date: 7/27/2017

LEA Authorized Representative

Name: Stanley Brandl
 Title: Maintenance & Operations Director
 Phone: 9164345000
 Email: sbrandl@wpusd.k12.ca.us

Project Manager

Name: Matt Delp
 Title: Project Development Manager
 Phone: 5184060734
 Email: mdelp@smartwattinc.com



Site Information

Project Start Date: 6/20/2018
 Completion Date: 8/20/2018
 Local Education Agency: Western Placer Unified
 LEA CDS Code: 31669510000000

School or Site Information

School/Site Name: Carlin C. Coppin Elementary
 School/Site CDS Code: 31669516085252
 School/Site Mailing Address: 150 12th St.
 City: Lincoln
 Zip Code: 95648-2058

Energy Efficiency Project Summary

Measure Savings Source: CEC calculator
 Proposition 39 Share to be used for
 Measure Implementation (\$): \$187,307.00

Benchmarking

Square Footage of School/Site: 49,689
 Average Peak Demand (kW): _____
 Total Annual Electric Use (kWh): 442,285
 Total Annual Electric Charges (\$): \$97,405.00
 Total Annual Gas Use (therms): 7,467
 Total Annual Gas Charges (\$): \$7,043.00
 Total Annual Propane Use (gals): _____
 Total Annual Propane Charges (\$): _____
 Total Annual Fuel Oil Use (gals): _____
 Total Annual Fuel Oil Charges (\$): _____
 Energy Bill Fiscal Year: 2015-16
 Electric Utility: PG&E
 Electric Utility Account #: 5637190602-7
 Gas Utility: PG&E
 Gas Utility Account #: 4611662287-2

Reminder: If the School/Site includes leased facilities, please include Building
 Owner Certification in backup documentation.

| Energy Use Intensity Calculator | | | | |
|---------------------------------|---------|-------------|----------------------------------|-------------|
| Electricity | | Natural Gas | | Other Fuels |
| | W/SF | .15 | Therms/SF | Gals/SF |
| 8.90 | kWh/SF | \$.14 | Cost/SF | Cost/SF |
| \$1.96 | Cost/SF | | | |
| Energy Costs/SF/Year: | | \$2.10 | Energy Use(Kbtu)/SF/Year: 110.41 | |

Version **6**

| Energy Efficiency Measure | Description | Demand Savings (kW) | Annual Electric Savings | Annual Nat. Gas Savings | Annual Propane Savings | Annual Fuel Oil Savings | Annual Energy Cost Savings (\$) | Measure Cost (\$) | Rebates and Grants (\$) | EEM SIR |
|--|--|---------------------|-------------------------|-------------------------|------------------------|-------------------------|---------------------------------|-------------------|-------------------------|---------|
| HVAC- Packaged/Split System AC/Heat Pump/VRF | Replace 17 heat pumps with new high efficiency EER 11 heat pump units. | | 39,450 | | | | \$8,679.00 | \$187,307.00 | | 1.02 |

Site Project Summary

| | | | | | |
|----------------------------------|---------------|-------------------------------|---------------------|-----------------------------------|---------------------|
| Total Demand Savings | _____ | Total Annual Fuel Oil Savings | _____ | Total Prop 39 Share | <u>\$187,307.00</u> |
| Total Annual Electric Savings | <u>39,450</u> | Total Annual Cost Savings | <u>\$8,679.00</u> | Savings-to-investment Ratio (SIR) | <u>1.02</u> |
| Total Annual Natural Gas Savings | _____ | Total Project Cost | <u>\$187,307.00</u> | Total Cost Paid Under PPA | _____ |
| Total Annual Propane Savings | _____ | Total Rebates | _____ | | |



Site Information

Project Start Date: 6/20/2018
 Completion Date: 8/20/2018

Local Education Agency: Western Placer Unified
 LEA CDS Code: 31669510000000

School or Site Information

School/Site Name: Creekside Oaks Elementary
 School/Site CDS Code: 31669516098610
 School/Site Mailing Address: 2030 First St.
 City: Lincoln
 Zip Code: 95648-2173

Energy Efficiency Project Summary

Measure Savings Source: CEC calculator
 Proposition 39 Share to be used for
 Measure Implementation (\$): \$476,566.00

Benchmarking

Square Footage of School/Site: 47,630
 Average Peak Demand (kW): _____
 Total Annual Electric Use (kWh): 363,535
 Total Annual Electric Charges (\$): \$78,694.00
 Total Annual Gas Use (therms): 1
 Total Annual Gas Charges (\$): \$164.00
 Total Annual Propane Use (gals): _____
 Total Annual Propane Charges (\$): _____
 Total Annual Fuel Oil Use (gals): _____
 Total Annual Fuel Oil Charges (\$): _____
 Energy Bill Fiscal Year: 2015-16
 Electric Utility: PG&E
 Electric Utility Account #: 5637190602-7
 Gas Utility: PG&E
 Gas Utility Account #: 0154989208-9

Reminder: If the School/Site includes leased facilities, please include Building
 Owner Certification in backup documentation.

| Energy Use Intensity Calculator | | | | |
|---------------------------------|----------------|-------------|---------------------------|-------------|
| Electricity | | Natural Gas | | Other Fuels |
| | W/SF | | Therms/SF | Gals/SF |
| | 7.63 kWh/SF | | Cost/SF | Cost/SF |
| | \$1.65 Cost/SF | | | |
| Energy Costs/SF/Year: | | \$1.66 | Energy Use(Kbtu)/SF/Year: | 81.79 |

Version **6**

| Energy Efficiency Measure | Description | Demand Savings (kW) | Annual Electric Savings | Annual Nat. Gas Savings | Annual Propane Savings | Annual Fuel Oil Savings | Annual Energy Cost Savings (\$) | Measure Cost (\$) | Rebates and Grants (\$) | EEM SIR |
|--|--|---------------------|-------------------------|-------------------------|------------------------|-------------------------|---------------------------------|-------------------|-------------------------|---------|
| HVAC- Packaged/Split System AC/Heat Pump/VRF | Replace 15 packaged units with new high efficiency SEER 14 packaged units. | | 28,717 | | | | \$6,208.00 | \$157,041.00 | | .93 |
| HVAC- Packaged/Split System AC/Heat Pump/VRF | Replace 29 heat pumps with new high efficiency EER 11 heat pump units. | | 62,174 | | | | \$13,440.00 | \$319,525.00 | | .96 |

Site Project Summary

| | | | | | |
|----------------------------------|---------------|-------------------------------|---------------------|-----------------------------------|---------------------|
| Total Demand Savings | _____ | Total Annual Fuel Oil Savings | _____ | Total Prop 39 Share | <u>\$476,566.00</u> |
| Total Annual Electric Savings | <u>90,891</u> | Total Annual Cost Savings | <u>\$19,648.00</u> | Savings-to-investment Ratio (SIR) | <u>.95</u> |
| Total Annual Natural Gas Savings | _____ | Total Project Cost | <u>\$476,566.00</u> | Total Cost Paid Under PPA | _____ |
| Total Annual Propane Savings | _____ | Total Rebates | _____ | | |



Site Information

Project Start Date: 6/20/2018
 Completion Date: 8/20/2018
 Local Education Agency: Western Placer Unified
 LEA CDS Code: 31669510000000

School or Site Information

School/Site Name: First Street
 School/Site CDS Code: 31669516117493
 School/Site Mailing Address: 1400 First St.
 City: Lincoln
 Zip Code: 95648-1688

Energy Efficiency Project Summary

Measure Savings Source: CEC calculator
 Proposition 39 Share to be used for
 Measure Implementation (\$): \$278,890.00

Benchmarking

Square Footage of School/Site: 36,960
 Average Peak Demand (kW): _____
 Total Annual Electric Use (kWh): 288,158
 Total Annual Electric Charges (\$): \$64,060.00
 Total Annual Gas Use (therms): _____
 Total Annual Gas Charges (\$): _____
 Total Annual Propane Use (gals): _____
 Total Annual Propane Charges (\$): _____
 Total Annual Fuel Oil Use (gals): _____
 Total Annual Fuel Oil Charges (\$): _____
 Energy Bill Fiscal Year: 2015-16
 Electric Utility: PG&E
 Electric Utility Account #: 5637190602-7
 Gas Utility: _____
 Gas Utility Account #: _____

Reminder: If the School/Site includes leased facilities, please include Building
 Owner Certification in backup documentation.

| Energy Use Intensity Calculator | | | | |
|---------------------------------|----------------|-------------|---------------------------|-------------|
| Electricity | | Natural Gas | | Other Fuels |
| | W/SF | | Therms/SF | Gals/SF |
| | 7.80 kWh/SF | | Cost/SF | Cost/SF |
| | \$1.73 Cost/SF | | | |
| Energy Costs/SF/Year: | | \$1.73 | Energy Use(Kbtu)/SF/Year: | 83.55 |

Version **6**

| Energy Efficiency Measure | Description | Demand Savings (kW) | Annual Electric Savings | Annual Nat. Gas Savings | Annual Propane Savings | Annual Fuel Oil Savings | Annual Energy Cost Savings (\$) | Measure Cost (\$) | Rebates and Grants (\$) | EEM SIR |
|--|--|---------------------|-------------------------|-------------------------|------------------------|-------------------------|---------------------------------|-------------------|-------------------------|---------|
| HVAC- Packaged/Split System AC/Heat Pump/VRF | Replace 32 heat pumps with new high efficiency EER 11 heat pump units. | | 72,039 | | | | \$15,990.00 | \$352,578.00 | \$73,688.00 | 1.29 |

Site Project Summary

| | | | | | |
|----------------------------------|---------------|-------------------------------|---------------------|-----------------------------------|---------------------|
| Total Demand Savings | _____ | Total Annual Fuel Oil Savings | _____ | Total Prop 39 Share | <u>\$278,890.00</u> |
| Total Annual Electric Savings | <u>72,039</u> | Total Annual Cost Savings | <u>\$15,990.00</u> | Savings-to-investment Ratio (SIR) | <u>1.29</u> |
| Total Annual Natural Gas Savings | _____ | Total Project Cost | <u>\$352,578.00</u> | Total Cost Paid Under PPA | _____ |
| Total Annual Propane Savings | _____ | Total Rebates | _____ | | |



Site Information

Project Start Date: 6/20/2018
 Completion Date: 8/20/2018

Local Education Agency: Western Placer Unified
 LEA CDS Code: 31669510000000

School or Site Information

School/Site Name: Glen Edwards Middle
 School/Site CDS Code: 31669516108351
 School/Site Mailing Address: 204 L St.
 City: Lincoln
 Zip Code: 95648-1674

Energy Efficiency Project Summary

Measure Savings Source: CEC calculator
 Proposition 39 Share to be used for
 Measure Implementation (\$): \$330,543.00

Benchmarking

Square Footage of School/Site: 66,190
 Average Peak Demand (kW): _____
 Total Annual Electric Use (kWh): 617,482
 Total Annual Electric Charges (\$): \$125,926.00
 Total Annual Gas Use (therms): 8,880
 Total Annual Gas Charges (\$): \$8,209.00
 Total Annual Propane Use (gals): _____
 Total Annual Propane Charges (\$): _____
 Total Annual Fuel Oil Use (gals): _____
 Total Annual Fuel Oil Charges (\$): _____
 Energy Bill Fiscal Year: 2015-16
 Electric Utility: PG&E
 Electric Utility Account #: 5637190602-7
 Gas Utility: PG&E
 Gas Utility Account #: 0861654183-8

Reminder: If the School/Site includes leased facilities, please include Building
 Owner Certification in backup documentation.

| Energy Use Intensity Calculator | | | | |
|---------------------------------|---------|-------------|----------------------------------|-------------|
| Electricity | | Natural Gas | | Other Fuels |
| | W/SF | .13 | Therms/SF | Gals/SF |
| 9.33 | kWh/SF | \$.12 | Cost/SF | Cost/SF |
| \$1.90 | Cost/SF | | | |
| Energy Costs/SF/Year: | | \$2.03 | Energy Use(Kbtu)/SF/Year: 113.38 | |

Version **6**

| Energy Efficiency Measure | Description | Demand Savings (kW) | Annual Electric Savings | Annual Nat. Gas Savings | Annual Propane Savings | Annual Fuel Oil Savings | Annual Energy Cost Savings (\$) | Measure Cost (\$) | Rebates and Grants (\$) | EEM SIR |
|--|--|---------------------|-------------------------|-------------------------|------------------------|-------------------------|---------------------------------|-------------------|-------------------------|---------|
| HVAC- Packaged/Split System AC/Heat Pump/VRF | Replace 30 heat pumps with new high efficiency EER 11 heat pump units. | | 76,356 | | | | \$15,550.00 | \$330,543.00 | | 1.03 |

Site Project Summary

| | | | | | |
|----------------------------------|---------------|-------------------------------|---------------------|-----------------------------------|---------------------|
| Total Demand Savings | _____ | Total Annual Fuel Oil Savings | _____ | Total Prop 39 Share | <u>\$330,543.00</u> |
| Total Annual Electric Savings | <u>76,356</u> | Total Annual Cost Savings | <u>\$15,550.00</u> | Savings-to-investment Ratio (SIR) | <u>1.03</u> |
| Total Annual Natural Gas Savings | _____ | Total Project Cost | <u>\$330,543.00</u> | Total Cost Paid Under PPA | _____ |
| Total Annual Propane Savings | _____ | Total Rebates | _____ | | |



Site Information

Project Start Date: 1/20/2016
 Completion Date: 8/20/2018
 Local Education Agency: Western Placer Unified
 LEA CDS Code: 31669510000000

School or Site Information

School/Site Name: Lincoln High
 School/Site CDS Code: 31669513134657
 School/Site Mailing Address: 790 J St.
 City: Lincoln
 Zip Code: 95648-1614

Energy Efficiency Project Summary

Measure Savings Source: CEC calculator
 Proposition 39 Share to be used for
 Measure Implementation (\$): \$154,253.00

Benchmarking

Square Footage of School/Site: 143,881
 Average Peak Demand (kW): _____
 Total Annual Electric Use (kWh): 1,331,480
 Total Annual Electric Charges (\$): \$269,742.00
 Total Annual Gas Use (therms): 16,949
 Total Annual Gas Charges (\$): \$11,085.00
 Total Annual Propane Use (gals): _____
 Total Annual Propane Charges (\$): _____
 Total Annual Fuel Oil Use (gals): _____
 Total Annual Fuel Oil Charges (\$): _____
 Energy Bill Fiscal Year: 2015-16
 Electric Utility: PG&E
 Electric Utility Account #: 5637190602-7
 Gas Utility: PG&E
 Gas Utility Account #: 5637190602-7, 7273624367-5

Reminder: If the School/Site includes leased facilities, please include Building
 Owner Certification in backup documentation.

| Electricity | | Natural Gas | | Other Fuels | |
|-----------------------|---------|-------------|---------------------------|-------------|---------|
| | W/SF | .12 | Therms/SF | | Gals/SF |
| 9.25 | kWh/SF | \$.08 | Cost/SF | | Cost/SF |
| \$1.87 | Cost/SF | | | | |
| Energy Costs/SF/Year: | | \$1.95 | Energy Use(Kbtu)/SF/Year: | | 110.95 |

Version **6**

| Energy Efficiency Measure | Description | Demand Savings (kW) | Annual Electric Savings | Annual Nat. Gas Savings | Annual Propane Savings | Annual Fuel Oil Savings | Annual Energy Cost Savings (\$) | Measure Cost (\$) | Rebates and Grants (\$) | EEM SIR |
|--|--|---------------------|-------------------------|-------------------------|------------------------|-------------------------|---------------------------------|-------------------|-------------------------|---------|
| Lighting- Interior Fixture Retrofit | Retrofit 1006 2x4 Troffers with LED Troffers Using PGE Rebates and CCC Labor | | 98,438 | | | | \$19,635.00 | \$208,664.00 | \$208,664.00 | ##### |
| HVAC- Packaged/Split System AC/Heat Pump/VRF | Replace 14 heat pumps with new high efficiency EER 11 heat pump units. | | 35,314 | | | | \$7,152.00 | \$154,253.00 | | 1.02 |

Site Project Summary

| | | |
|--|--|---|
| Total Demand Savings _____ | Total Annual Fuel Oil Savings _____ | Total Prop 39 Share <u>\$154,253.00</u> |
| Total Annual Electric Savings <u>133,752</u> | Total Annual Cost Savings <u>\$26,787.00</u> | Savings-to-investment Ratio (SIR) <u>3.57</u> |
| Total Annual Natural Gas Savings _____ | Total Project Cost <u>\$362,917.00</u> | Total Cost Paid Under PPA _____ |
| Total Annual Propane Savings _____ | Total Rebates _____ | |