



PROJECT TEAM Introduction

Schneider Flectric







Co-Program Managers

Marc Starkey & Elliott Feldman

Over 20 combined years in the industry

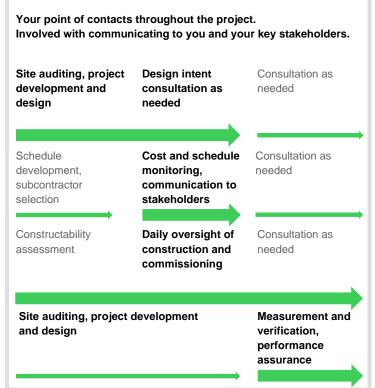
Project Development Manager
Daniel Cotton, PE, CEM
8 Years in the industry

Project Manager/Commissioning Agent John Stancliffe, LEED, AP

CM Services Manager
David Medcalf
15 years in the industry

33 years in the industry

Regional Energy Engineer Manager Jose Carrasco, PE 10 years in the industry



Turnkey Approach – Comprehensive / Holistic

Schneider Electric – Energy & Sustainability Services

Global Company Local Presence

- Over 850 completed Energy Conservation projects, worth more than \$3B
- \$45 million in annual K-12 energy savings guarantees
- Awarded World's <u>Most Ethical</u>
 Company Honorees consecutively
 from 2011 2019.
- Ranked #1 Energy Services
 Company Last 3 years
- Turnkey solution, with <u>zero</u> change orders!





LED, HVAC & Controls

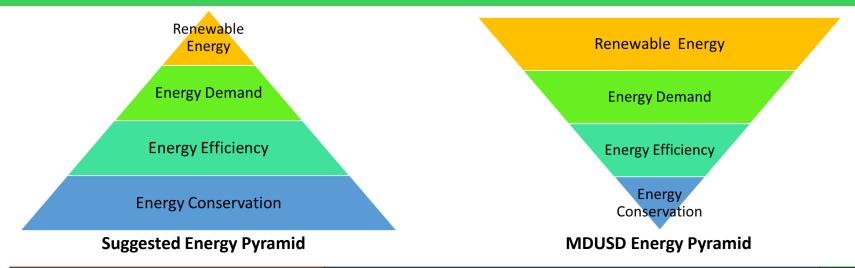
Proven Results & Performance Integrity

- Stockton USD
- Berkeley USD
- Dublin USD
- Moraga SD
- Oakdale JUSD
- Golden Valley USD
- Dixon USD
- Pleasant Ridge USD
- Lemoore ESD

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Energy Baseline

2019 District-Wide Utility Usage



Costs			Energy Consumption/Production				Energy Use Index		
Electrical	Gas	Water	Total	Electrical (kWh)	Solar (kWh)	Combined (kWh)	Gas (Therm)	Water (Kgal)	(KBtu/ft2)
\$1,362,337	\$575,722	\$1,448,984	\$3,387,044	7,842,121	15,379,549	23,159,106	721,143	96,599	41.5



MDUSD Scope of Work

LED Lighting Retrofits

Minimal LED/Occupancy Sensors

Very little control/exterior lights on during day

Poor light quality

Darker/underlit areas

Light pollution/distractors to the space

Assortment of solutions that have a variety of lumen outputs

Multiple subs/sites being developed/Installed simultaneously

Almost \$800k in potential annual savings...equates to more than 10 teaching positions

Photometric studies by site/space to enhance specified performance

Safer/more secure campuses

Filtered/directional lighting solutions that are customizable

Standardization/post install calibration

Life Is On Schneider

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Collaboration with MDUSD

Stakeholders

MDUSD Scope of Work

Strategic Program for HVAC Replacements

- Two Parallel Tracks for Development
 - ☐ Like for Like / Replace Immediately
 - ☐ More Technical / DSA Review
- Manufacturer Standardization that is consistent, trained and supported
- Supply Chain Management pre order
- Filtration / Ductwork / Airflow Calibration
- Install throughout the year / 2nd shift & weekend work





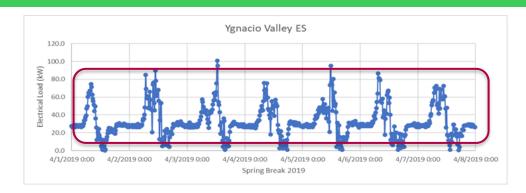
Moraga USD / Dublin USD



MDUSD Scope of Work

Controls Development, Implementation & Performance Assurance

- Standardization that is open source and supported
- Non-proprietary
- Validation/commissioning ensuring Indoor Air Quality
- Identified unoccupied run-times and incorrect operational schedules



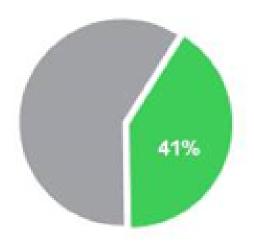




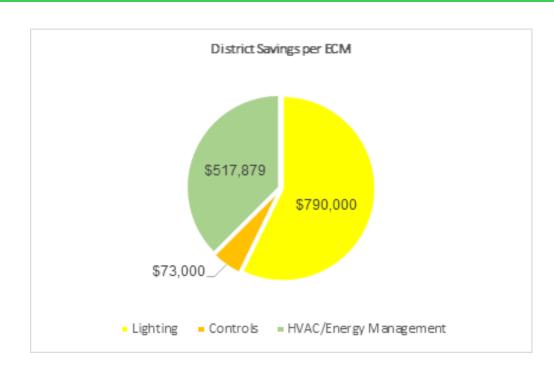
Savings Potential

First-Year Savings Projections

District Energy Cost Savings



\$1,380,000 in Annual Savings





Funding Sources

Maximize No-Cost Money

Guaranteed Energy Savings

Grants, Rebates & Incentives	PG&E HVAC /Lighting Optimization Program				
Federal Stimulus	One-Time Money				
Bond Dollars	Leveraged Into a New Revenue Stream				
179D Tax Deduction / \$1.80 sqft.	For Energy Efficiency Projects				



Preserve Programs & Positions

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