
Inspire, Prepare, EMPOWER



Introduction to ENGIE Services

- 88 Santa Clara County DSA Sites
- Headquarters in Oakland, fully staffed office in San Jose
- 44+ Years Experience
- \$2.5 billion in savings
- 3 million tons of GHG emissions reduced
- 52,000 students engaged annually



Franklin McKinley School District

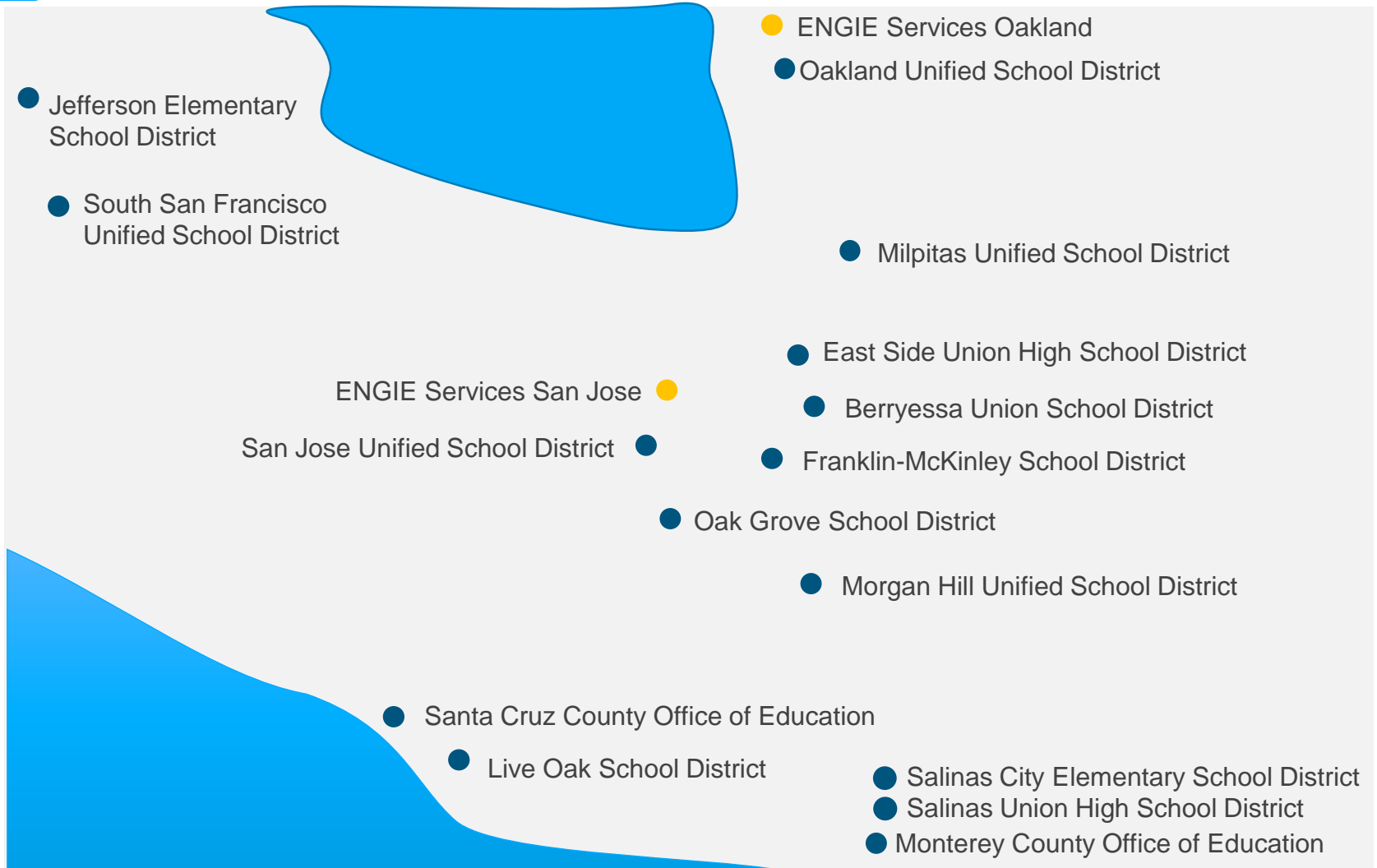


ENGIE CEO Isabelle Kocher at World Economic Forum



South San Francisco USD

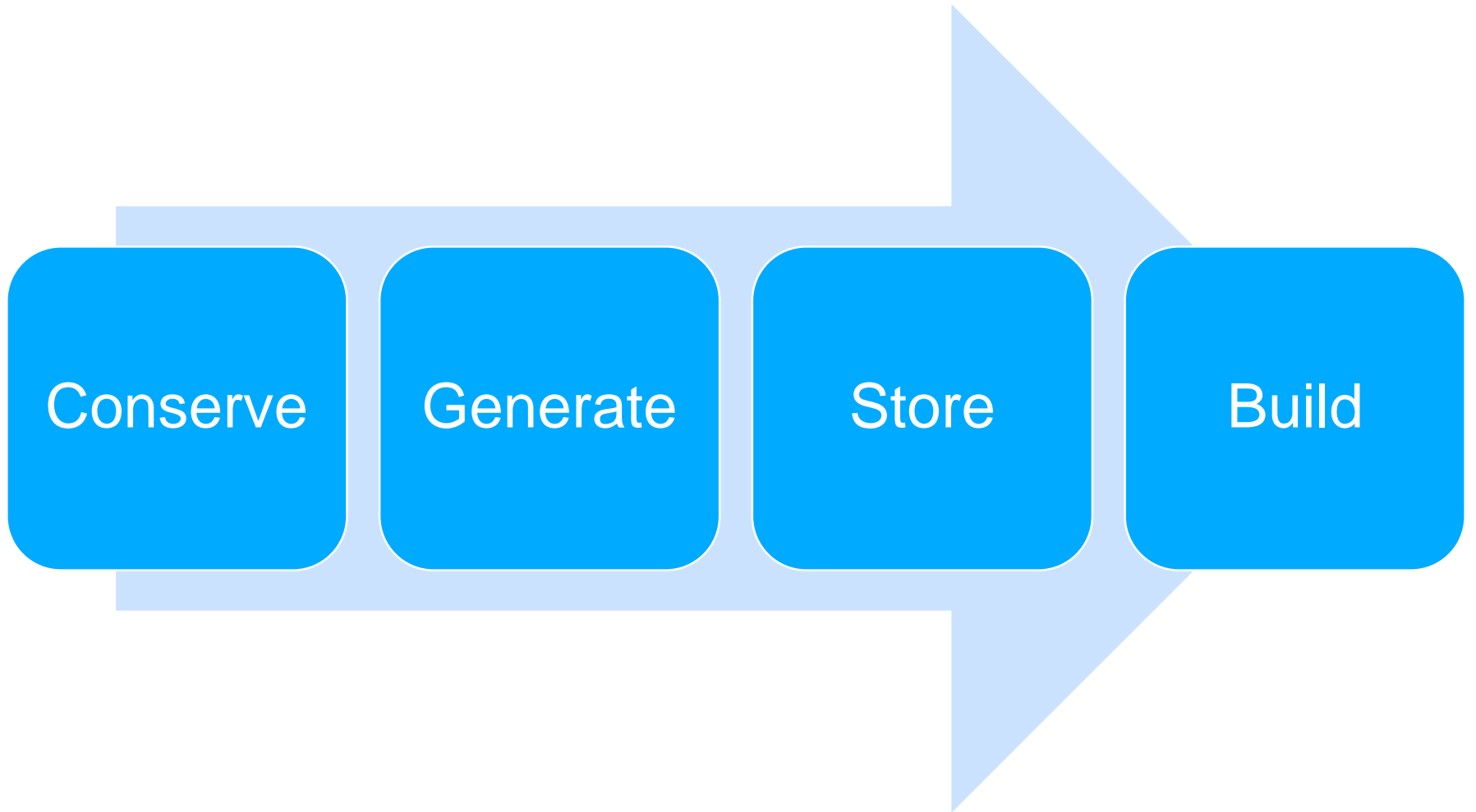
Experience with Local Schools



Inspire, Prepare, EMPOWER Goals Strategic Plan 2021



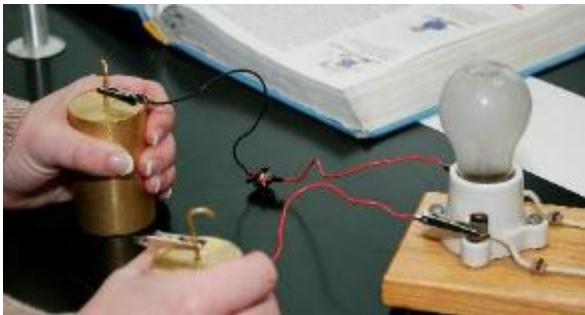
Energy Program Best Practices



Educational Opportunities

Real-World Data

Connect data and technology from real-world energy projects to engage students in a 'living laboratory' on their campus.



Professional Development

Empower teachers to use sustainability as a lens for ELD, math, and NGSS learning and engagement.



Bridging the Gap between the Classroom and Careers

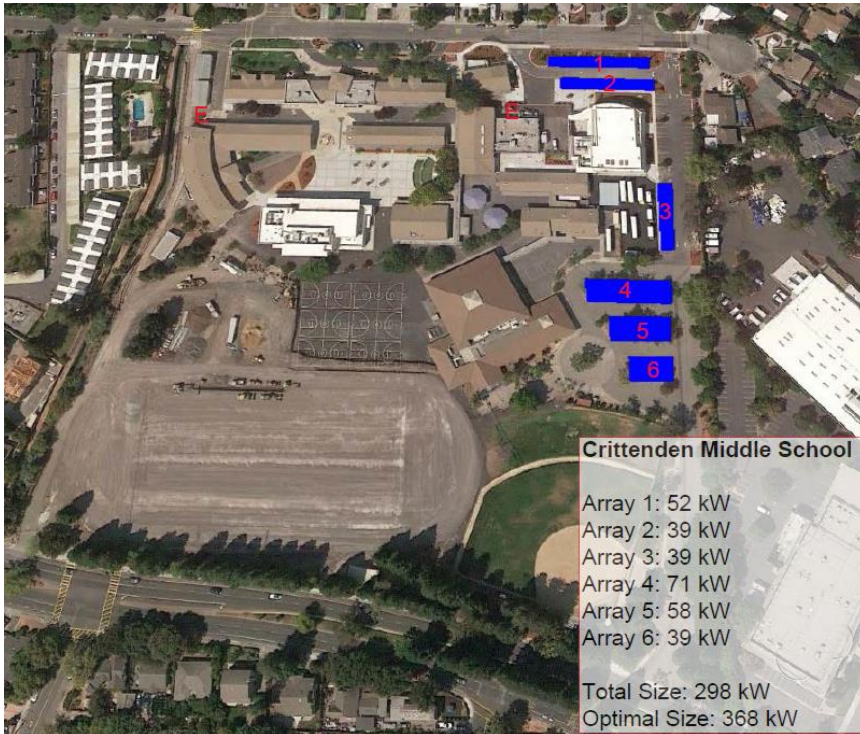
Provide in-class guest speakers, job shadowing, field trips, and other opportunities to foster career and post-secondary connections.

STEAM Instructional Materials & Programs

Provide supplemental materials and standards-aligned curriculum to motivate and engage students in the STEAM learning process.



Energy Analysis Sample – Crittenden Middle



- Current PG&E Bill
 - \$153,019
 - 705,440 kWh / year
 - \$0.22/kWh
 - A-10 Rate
- Target 80-90% of usage
 - Optimal size for savings
 - Determines area required
- Calculate Solar Production
 - Model solar output
 - Analyze PG&E rate change
 - ~\$100,000 preliminary

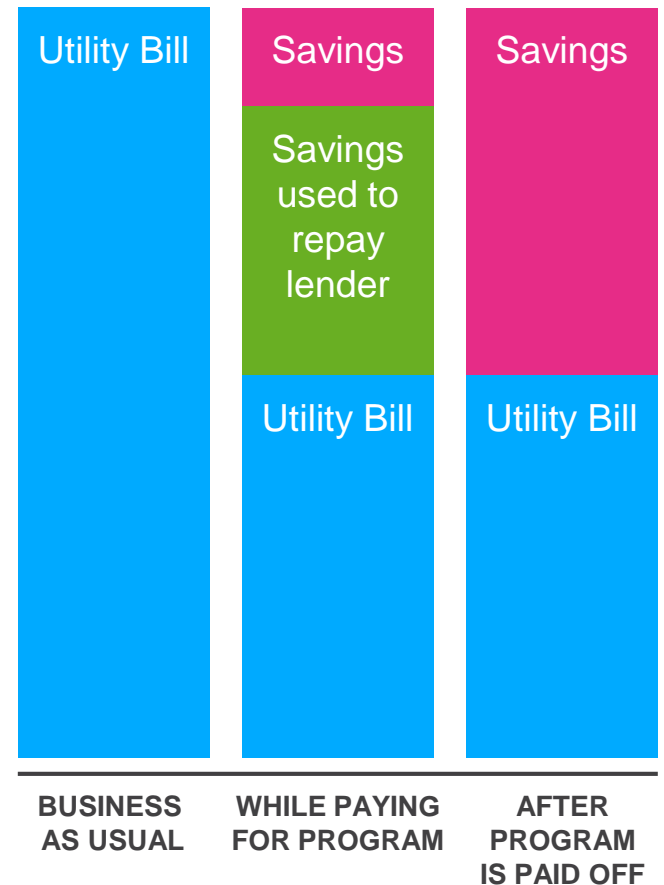
Energy Potential @ MVWSD

Site	Annual Energy Expenditure	Savings Estimate	Solar	LED Lighting	HVAC/ Boilers
Bubb Elementary	\$ 55,096	\$ 30,000	X	X	X
Castro / Mistral Elementary	\$ 46,501	\$ 30,000	X	X	X
Crittenden Middle	\$ 153,019	\$ 100,000	X	X	X
District Office / Stevenson Elementary	\$ 72,255	\$ 45,000	X	X	
Huff Elementary	\$ 49,540	\$ 30,000	X	X	X
Graham Middle	\$ 144,416	\$ 70,000	X	X	X
Landels Elementary	\$ 43,729	\$ 35,000	X	X	X
Monta Loma Elementary	\$ 84,794	\$ 70,000	X	X	X
Slater Elementary	\$ 11,976	\$ 0			
Theuerkauf Elementary	\$ 113,790	\$ 20,000**		X	X
Total	\$ 785,116	\$ 430,000			

** Bubb, Castro, Crittenden, Huff, Graham, Landels and Theuerkauf are constrained by site layouts, trees, and overhead power lines. Without constraints, savings would be >\$600,000.

Energy Potential at MVWSD

- ~\$785,000 Annual Energy Cost
- ~\$500,000 Annual Energy Savings from Solar & Efficiency
 - ~\$430,000 Solar
 - ~\$70,000 Efficiency (typical lighting reduction available)
- If no capital available, financing could be paid through energy cost savings



Next Steps

- Board Guidance on Priorities for Selection
 - Process/Approach
 - Partner Experience
 - Financial Impact
 - Classroom Impact
- Select Energy Partner
- Develop Program
 - Detailed Energy Audit
 - Scope, Costs, Savings
 - Financing Plan
 - Education Program
- Implementation

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