
Ravenswood City School District

Financial Results, Student Relationships, Environmental Responsibility

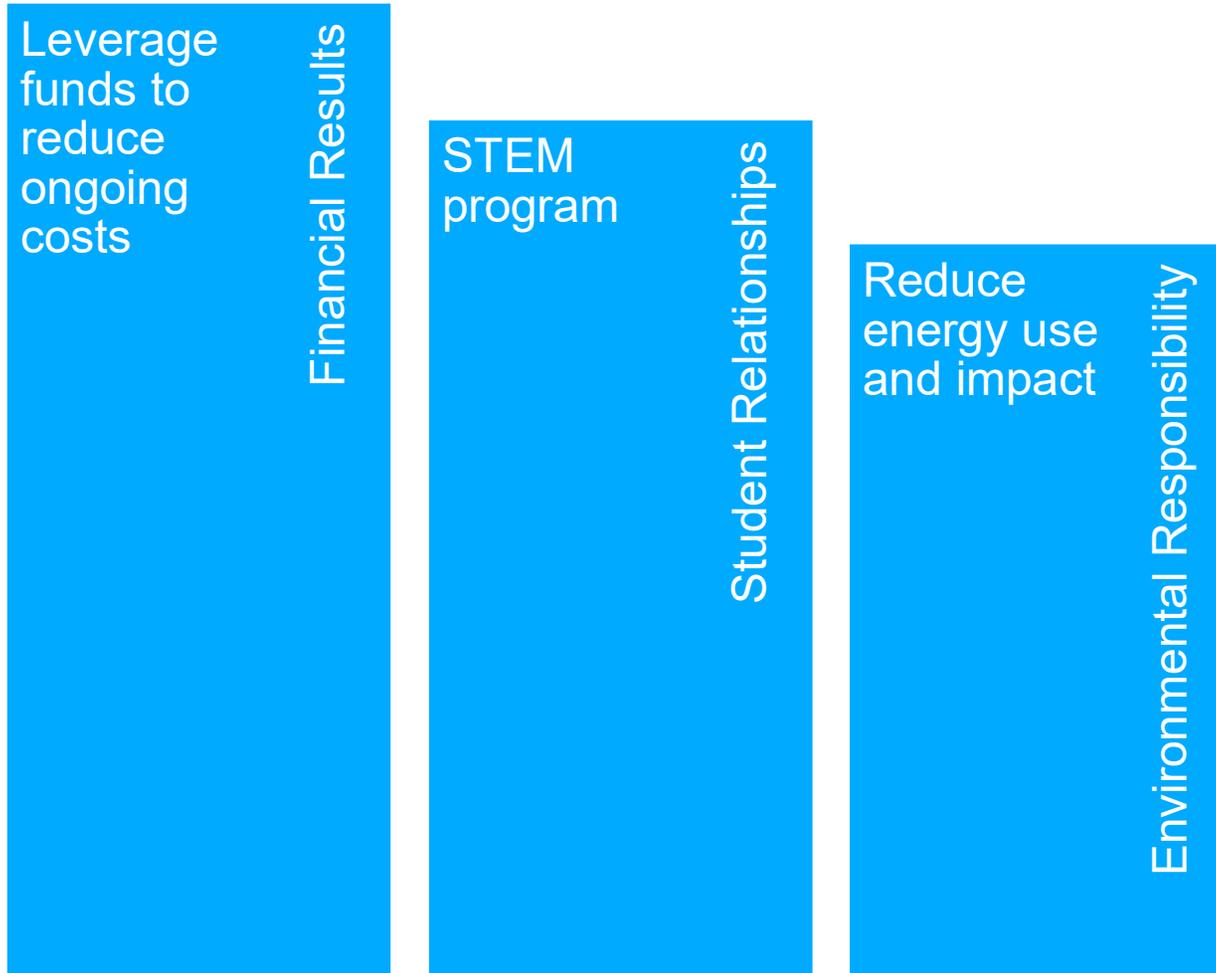
May 23, 2019



Today

- Program + Process Review
- Energy + Education Program
- Savings Review
- Next Steps

Program Pillars



Partnership Progress

Ravenswood City School District					
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Row		Stage	Date	Achieved?	Responsible Party
1	Prop 39	Preliminary Energy Audits Completed by San Mateo County Energy Watch		X	RCSD
2	Prop 39	Prop 39 Energy Expenditure Plan (EEP) Submitted to California Energy Commission (CEC)	12/17/2017	X	RCSD
3	Prop 39	Prop 39 EEP Approved by CEC	5/9/2018	X	RCSD
4	Selection	RFQ Issued for Comprehensive Energy Services Using Prop 39	10/19/2018	X	RCSD
5	Board Meeting	Board Approval of ENGIE Services for Assessment & Implementation of Energy Services	12/13/2018	X	RCSD Board
6	Development	Refresh Energy Data (two weeks from PG&E)	1/17/2019- 1/31/2019	X	RCSD & ESUS
7	Development	Kick-off Meeting for Energy Program Development	1/30/2019	X	RCSD & ESUS
8	Development	Meet with facilities staff to discuss potential energy measures and solar locations & Gather Site Condition Information at each site	2/14/2019	X	RCSD & ESUS
9	Development	Lighting audits of each site, after school hours	3/13-3/20	X	ESUS
10	Development	ENGIE works with District Staff to walk multiple contractors and runs transparent, competitive procurement process (RFP) on installation, equipment and project financing	March	X	ESUS
11	Board Meeting	Informational Update to Board on Program Process and Potential	3/28/2019	X	RCSD Board
12	Development	Meet with Assistant Superintendent of Educational Services on education program options	4/16/2019	X	RCSD & ESUS
13	Development	Present solar locations and project update to Board Facilities Committee	5/7/2019	X	RCSD & ESUS
14	Legal	Post public notice for California Government Code 4217, two weeks before Board Meeting	5/9/2019	X	RCSD

District Energy Usage & Conservation Measures

School Site	Address	Annual Energy Consumed (kWh)	Annual Electric Utility Cost (\$)	Rate (\$/kWh)	Solar PV Canopy	LED Lighting	Battery Energy Storage	HVAC Upgrades	EV Bus Chargers
Aspire	1286 Runnymede St.	141,372	\$ 35,000	\$ 0.248	X	X			
Belle Haven	415 Ivy Dr	258,860	\$ 61,054	\$ 0.236	X	X			
Brentwood	2086 Clarke Ave	258,890	\$ 54,918	\$ 0.212	X	X			
Los Robles - McNair Academy	2033 Pulgas Avenue	163,805	\$ 40,184	\$ 0.245	X	X			
Child Development Center	951 O'Connor Street	247,643	\$ 51,126	\$ 0.206	X	X			
Costano School	2695 Fordham St	309,469	\$ 67,488	\$ 0.218	X	X			
District Office	2120 Euclid Ave	407,477	\$ 75,000	\$ 0.184	X	X			X
Ravenswood Middle	2450 Ralmar Ave	358,747	\$ 78,746	\$ 0.220	X	X			
Willow Oaks	620 Willow Road	166,900	\$ 38,256	\$ 0.229	X	X			
Total		2,313,163	\$ 501,772	\$ 0.217					

Recommended Energy Measures



Educational Opportunities

Real-World Data

Feature data and technology from the District's real-world energy projects on an online dashboard to engage students in a campus "living laboratory".



Professional Development

Empower teachers with on-site, customized sessions that link sustainability industry content and instructional strategies with NGSS-aligned curriculum.



Bridging the Gap between the Classroom and Careers

Engage students in sustainability project engineering, construction, and maintenance. Support the development of a STEM-focused CTE Pathway.

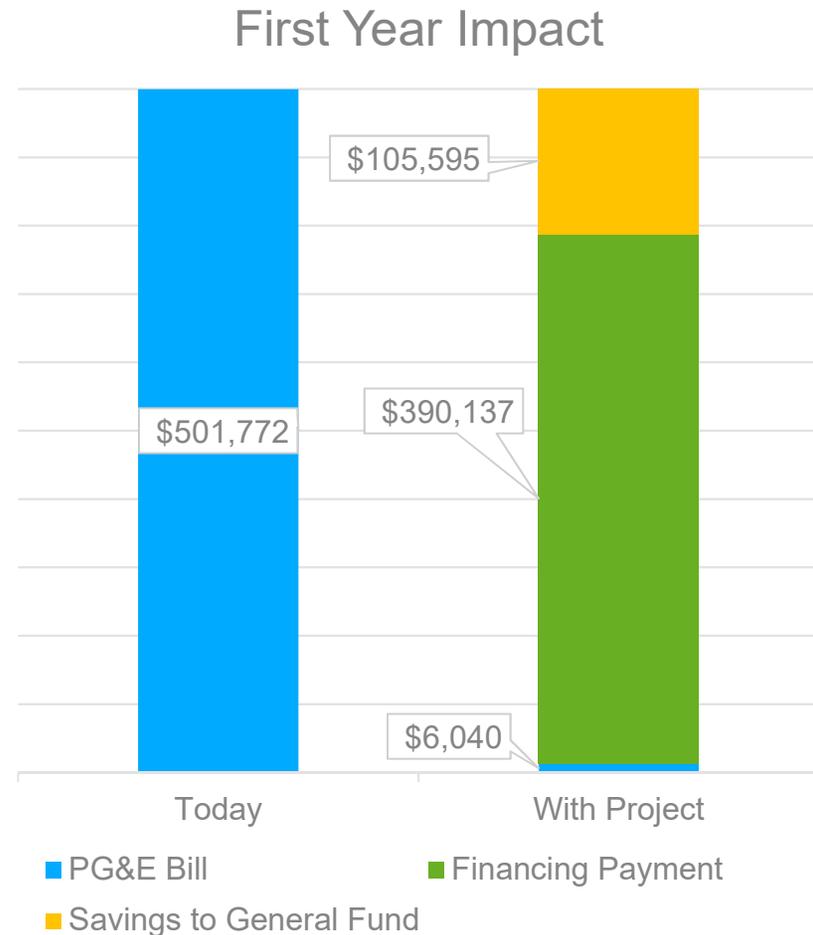
Green Engineering Instructional Materials & Programs

Provide supplemental materials to motivate and engage students in the STEAM learning process. Enhance makerspaces with energy-and STEAM-focused resources.



Energy Cost Savings

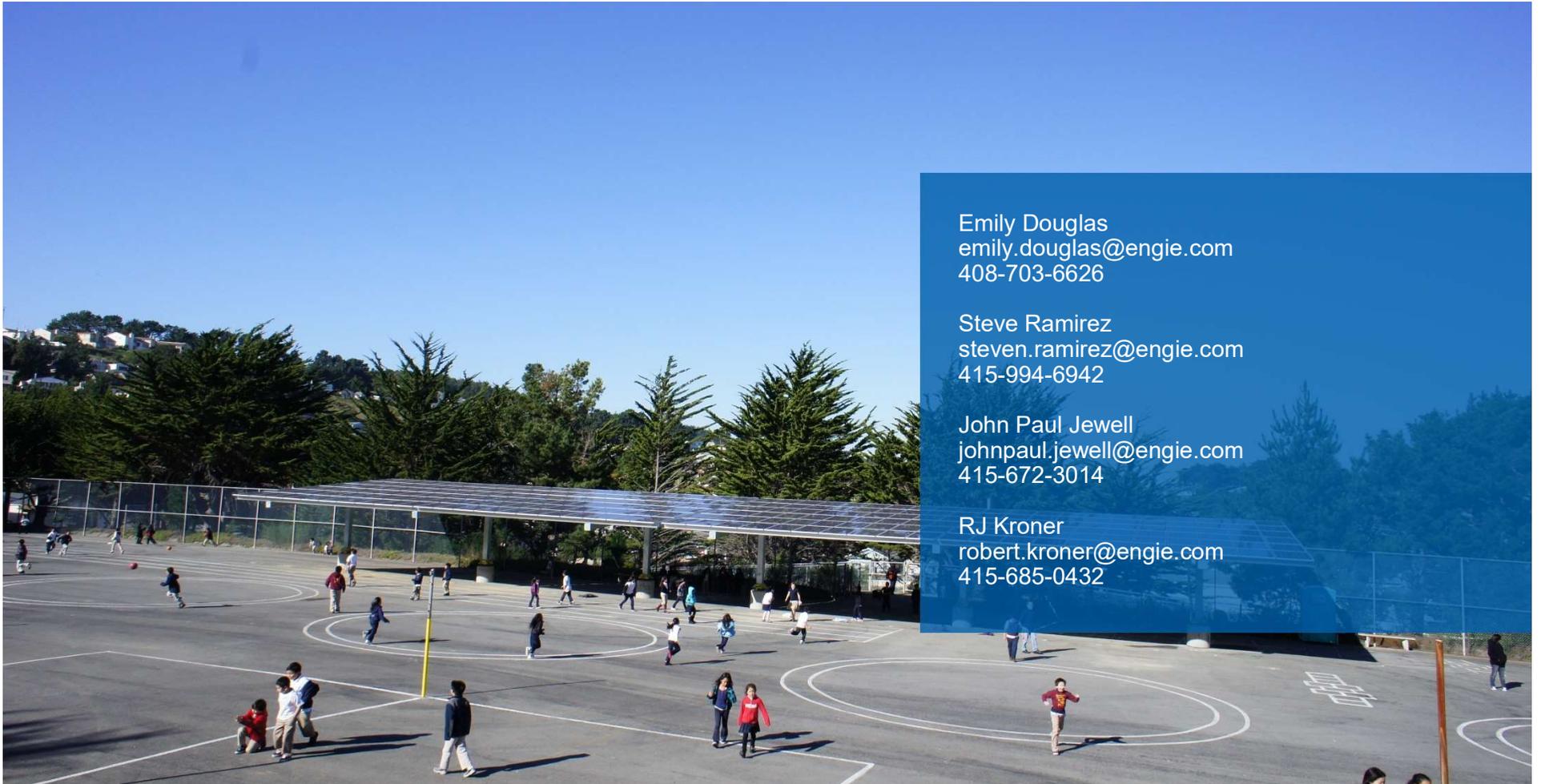
- No Capital Required
- Project Cost Funded Through
 - Prop 39 Funds
 - CEC 0% Loan
 - Third-Party Financing
- \$105,595 Per Year Savings After Financing
 - ENGIE to apply for CEC Loan
- \$7,074,323 Lifetime Savings After Financing



Next Steps

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Row		Stage	Date	Achieved?	Responsible Party
15	Board Meeting	Public Hearing for 4217 and Board Approval to Execute ESC and Financing Resolutions as Required	5/23/2019		RCSD Board
16	Financing	CEC Loan Application Due, 0% Loan	5/31/2019		ESUS
17	Financing	District closes additional financing as required	5/30/2019		RCSD / ESUS
Construction Phase					
18	Construction	District issues Notice to Proceed; ESUS completes final engineering and DSA submittals	6/6/2019		RCSD
19	Construction	Last Day of School; onsite work begins	6/14/2019		RCSD
20	Financing	CEC Encumbrance Deadline for Prop 39 Funds	6/30/2019		RCSD / ESUS
21	Financing	Notice of Proposed Award for 0% Loan Program	7/15/2019		CEC
22	Financing	CEC Business Meeting for 0% Interest Loan Approval	9/11/2019		CEC
23	Education	STEM education program implemented	Fall 2019		RCSD / ESUS
24	Financing	CEC Completion Deadline for Prop 39 Funds	6/30/2020		RCSD / ESUS

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Thank You
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