

# Albany Unified School District

## Proposal to Release RFP for Solarization

October 10, 2023

- Key Points and Findings
- Cost and Savings Over Time
- Panel Locations by Site
- Ancillary Benefits
- Schedule

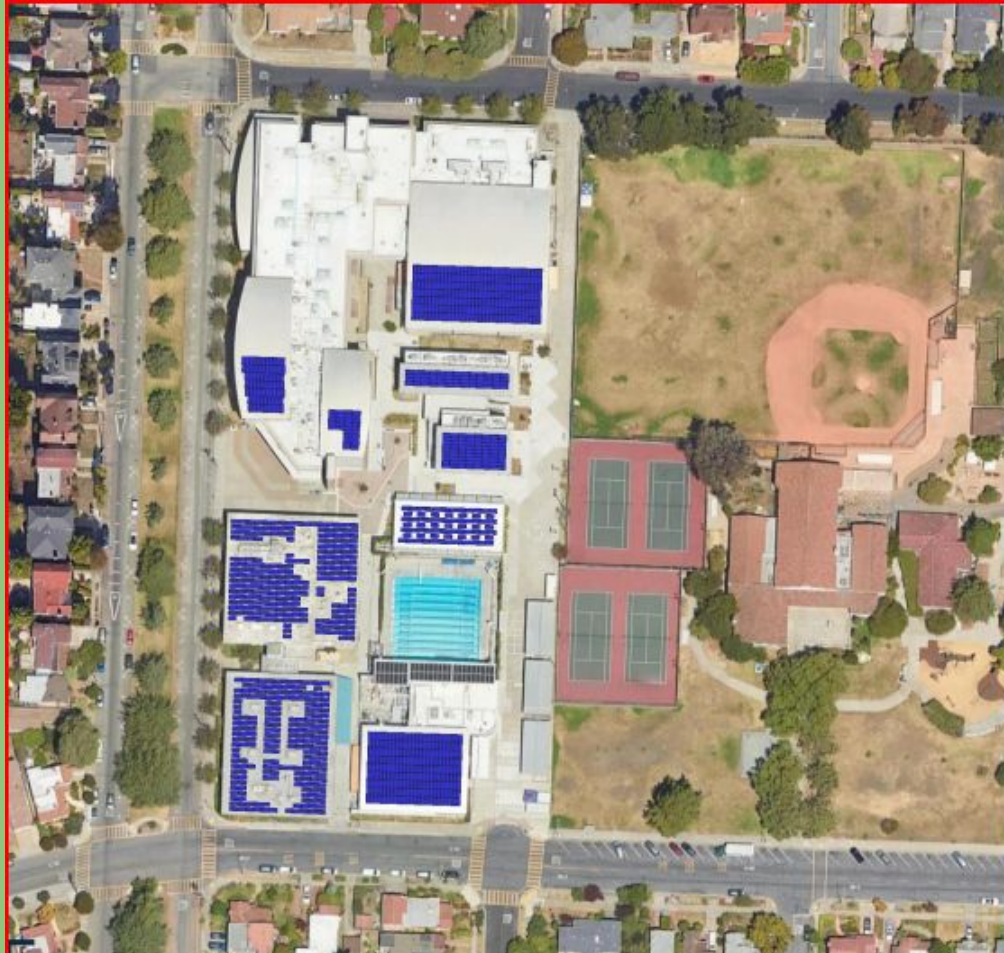
### 1.3 Key Points and Findings

1. The project will result in substantial savings to the District over the lifetime of the project.
2. The PV market is dynamic, particularly at present. Risks to these returns include recent federal tax reform, International Trade Commission module import tariffs, and utility tariff changes. These risks were accounted for in this analysis, with further detail below. Even with negative results from these risks considered in modeling, the District should see substantial savings with solar implementation at the targeted sites.
3. Specifically, a risk to PV projects is the future of Net Energy Metering (NEM) in California. The Net Billing Tariff (NBT, otherwise known as NEM 3.0) went into effect on April 15, 2023 and substantially reduces the value of solar generation. The District has greatly mitigated this risk by submitting Interconnection Applications (IA) to PG&E which were Deemed Complete prior to the April deadline, to ensure the sites are grandfathered into the existing NEM 2.0 program. Substantial changes to the designs submitted in the IAs, however, could jeopardize the NEM 2.0 grandfathering of the projects and should therefore be handled with care.
4. The project will provide significant financial, environmental and shade benefit.
5. The early-stage evaluation of the desktop feasibility analysis ruled out the financial viability of BESS, so it was not included in the desktop feasibility or the investment grade feasibility study. However, as utility tariffs change over time demand charges are likely to become a greater fraction of the bill, so the District should consider reevaluating BESS financial feasibility every 5 years.

Table 12. Cumulative Energy Cost and Savings Over Time, Nominal \$, PPA

	Do Nothing	PV PPA Financed				
	Utility	Utility	Operating Costs	PPA Payments	\$ Savings	% Savings
Year 1	\$718,000	\$254,000	\$8,000	\$522,000	\$(67,000)	-9%
Year 5	\$808,000	\$303,000	\$8,000	\$507,000	\$(11,000)	-1%
Year 10	\$937,000	\$376,000	\$1,000	\$488,000	\$72,000	8%
Year 15	\$1,086,000	\$463,000	\$1,000	\$470,000	\$152,000	14%
Year 20	\$1,259,000	\$567,000	\$1,000	\$453,000	\$239,000	19%
Year 25	\$1,459,000	\$882,000	\$1,000	\$436,000	\$140,000	10%

# Albany High School





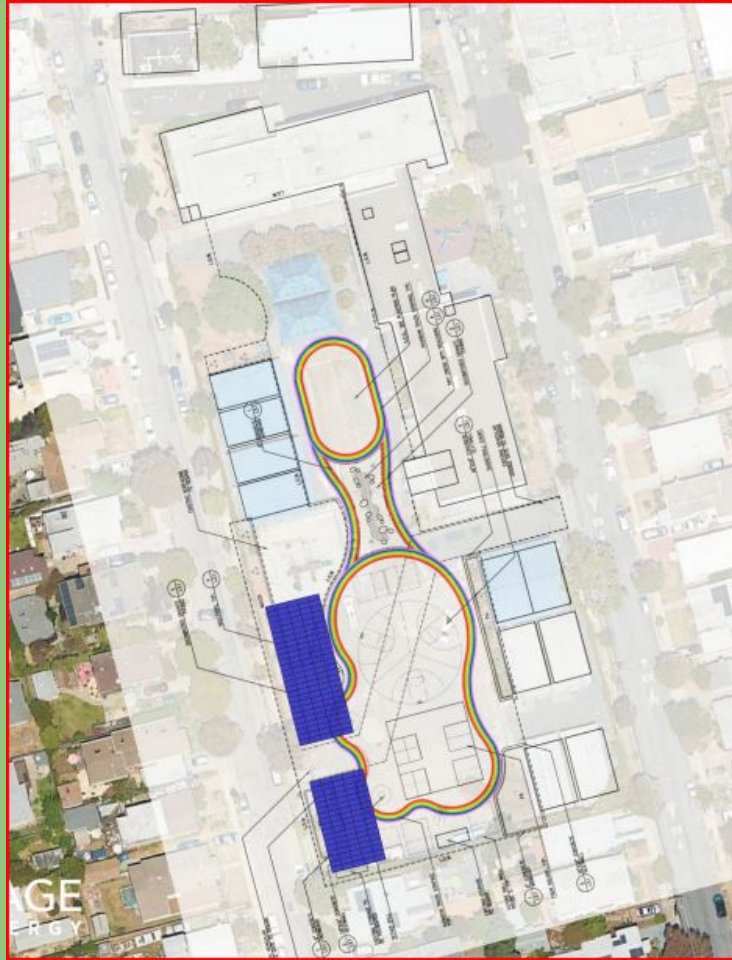
# Albany Middle School



# Albany Children's Center



# Cornell Elementary School





# Marin Elementary School





# Ocean View Elementary School



## *Ancillary Benefits*

- The proposed solar project would offset 150 tons of CO<sub>2</sub> per year and 3,700 tons during the project lifetime.
- The RFP will require that the District keep all environmental attributes associated with the power produced. The environmental attributes of the energy generated, often referred to as Renewable Energy Credits (RECs) do have some value. The RECs can be sold on the market to generate additional income.
- The proposed project would add approximately 38,000 square feet of shade throughout the District. This report does not establish a monetary value for this shade, however shade projects are common public school capital projects. This project should eliminate some of the need to construct shade at District sites, saving capital project funds.

## 4.2 Schedule

The implementation of the two-phase project outlined in this study should take approximately 18 to 24 months to complete, from issuance of an RFP to solar PV Complete Construction and Project Closeout. The high-level implementation schedule in Table 14 shows the key milestones for implementing a PV system at the nine sites.

Table 14. Illustrative Timeline to Implementation

Phase	Duration (months)	Cumulative (months)
RFP Preparation/Vendor Proposals	2	2
Proposal Review/Contracting	2	4
Design & OTC DSA Process	5	9
Construction	5	14
Commissioning & Closeout	3	17

Note: DSA closeout typically extends for several months beyond the end date shown.

