
Prop 39: Energy Savings Update 1-16-18

Prop 39

Prop-39 Clean Energy Jobs Act

The following table summarizes the Prop-39 approved plans and State funding direct-deposited to American Indian Model Schools' accounts. The resulting alternate budget column summarizes the proposed Prop-39 amendment, needed to support the HVAC scope of work.

Prop-39 Energy Measure	AIM	AIM II	Total	Maringal Requirement incl. 15% contingency	Resulting Alternate Budget
Domestic Hot Water	\$ 7,060.00				\$ 7,060.00
(21) Smart Plugs	\$ 1,575.00				\$ 1,575.00
44.6 kW Solar PV	\$ 168,261.00				\$ -
HVAC	\$ 57,500.00		\$ 121,439.50	\$ 165,970.80	\$ 287,410.30
Fan Motors & Variable Speed Drives		\$ 63,939.50			
Cool Roof (White reflective foam)		\$ 107,889.30			\$ 107,889.30
LED Lighting Interior & Exterior		\$ 82,284.90			\$ 82,284.90
Prop-39 Implementation Funding	\$ 234,396.00	\$ 254,113.70	\$ 488,509.70		\$ 486,219.50
FNF Fees	\$ 26,094.00	\$ 28,225.60	\$ 54,319.60		\$ 54,319.60
Total	\$ 260,490.00	\$ 282,339.30	\$ 542,829.30		\$ 540,539.10
Funds Direct Deposited	\$ 260,451.00	\$ 282,339.00	\$ 542,790.00		\$ 542,790.00
difference	-\$ 39.00	-\$ 0.30	-\$ 39.30		\$ 2,250.90

Prop 39 - HVAC

The order for the furnace has been placed. It takes between 8-10 weeks for the furnace to be delivered and installed. Carrier has indicated that once the furnace arrives we will be without heat for 4-5 days while the new furnace is installed.

Carrier has notified us that the furnace is expected to arrive at their shop on January 22nd. Once the furnace arrives - Carrier will schedule the lift with a crane company.

There would be other HVAC upgrades that would be done during the same time.

First Note Inc., will speak with Carrier and Central Coating Company to ensure that they work together. The goal is for the furnace and HVAC upgrades to be completed prior to the cool roof.

Prop 39 - Cool Roof

We received 3 quotes for the cool roof. After reviewing the three bids we decided to go with Central Coating Company. Central Coating Company was founded in 1958 by John P. Nolan in Iowa. In 1967, Central Coating Company relocated to California. In 1982 Central Coating Company established an office in San Jose, CA and began installing roofing and insulation for many of the top high tech companies in Silicon Valley and the San Francisco Bay area.

Central Coating Co Inc. is an award-winning company, recognized by the Spray Polyurethane Foam Alliance (SPFA) with its National Award for Excellence in 2005, 2007 & 2016. The company is a member of SPFA, the National Roofing Contractors Association (NRCA), and Roofing Contractors Association of California.

Central Coating Company is a family owned business. Operations department did a walkthrough on of the roofs they installed.

AIMS Cool Roof Bid Comparisons

Company	Warranty	Foam Thickness	Total Fixed Turnkey Price	Cost per Sq. Foot	Sq. Footage	Notes
American Foam Experts	15 years	1.5in.	\$ 154,875.00	\$ 10.50	14,750	
Brazos	10 years	1 in.	\$ 275,470.00	\$ 18.36	Did not include in bid	No price for permit included, says 1.5 in is not possible with current equipment on roof and roof access door.
Central Coating Company	10 years	1 in.	\$ 119,878.00	\$ 7.57	15,837	
	15 years	1 in.	\$ 123,510.00	\$ 7.80	15,837	Will have to increase foam by 3 mill. For+ 5 year warranty
					3632	
Prop 39 Budget:	\$107,889.30					
15% leeway:	\$124,072.70					

Prop 39 - LED Lighting

We received 3 quotes for the lighting project. After reviewing the three bids we decided to go with Energy Retrofit Company. Energy Retrofit is Headquartered in Temecula, CA.

Mission Statement : Energy Retrofit Co. specializes in helping commercial energy users to reduce energy demand by replacing outdated and inefficient fixtures with advanced lighting conservation technology. Their ultimate goal is to help customers reduce operating costs through No Cost or Low Cost actions.

Vision : Contributing to the conservation of our environment and the recovery of our economy by reducing energy demand.

LED Lighting Bids for AIMS					
Company	Contact	Price	Lighting Bid Option	Occupancy Sensors	Notes:
Energy Conservation Options	Dahlia	\$198,175.85	Replacement Fixtures or Kits	Yes & some dimming controls	No cutsheets
Energy Retrofit Co	Erica	\$96,694.19	Replacement Fixtures or Kits	Yes & some dimming controls	
Energy Retrofit Co	Erica	\$48,073.78	Line Voltage Lamp Retrofit Approach	Yes	This option includes LED replacement/retrofit for existing lighting equipment, installation management, lamp disposal, and ballast removal.
FESS Energy	Matt	\$78,159.56	Line Voltage Lamp Retrofit Approach	Yes	This option includes retrofit of existing interior T8s to Line Voltage LED T8s with integral drivers, upgrade of compact fluorescent and incandescent lamps to LEDs, replacement of exterior HID fixtures with new LED light fixtures, and installation of occupancy controls in a few select locations (most areas already have sensors).
Prop.39 Funding Allocation for Lighting:	\$ 82,285.00				