

**Burnt Ranch Elementary School District
Board of Trustees Special Meeting**

Burnt Ranch Elementary School

Room 1

251 Burnt Ranch School Road
Burnt Ranch, California

April 28, 2022

4:00pm

Agenda

**Meeting will be available remotely via ZOOM.*

Please call (530) 629-2543 before 3:00pm on 4/28/22 or information regarding remote access.

1.0 Formal Opening

1.1 Call to Order

1.2 Roll Call

2.0 Public Comment Period: Persons wishing to address the Board on any item of interest to the public that is within the Board's jurisdiction are invited to do so at this time. In the interest of time and order, presentations from the public are limited to three minutes per person, per topic. Please state your name and address before speaking. In accordance with the Brown Act, unless an item has been placed on the agenda there shall be no action taken. The Board may 1) acknowledge receipts of the information; 2) refer to staff for further study; 3) refer the matter to the next agenda.

3.0 Accept Open Session Agenda

Motion_____Second_____Vote_____

4.0 Communications

5.0 Public Hearing

***CONSIDERATION OF ENTERING INTO ENERGY SERVICE DESIGN-BUILD
CONTRACT FOR THE BURNT RANCH ELEMENTARY SCHOOL DISTRICT
SOLAR PHOTOVOLTAIC PROJECT***

Open:_____Close:_____

6.0 General Business

6.1 Consider the award of a Design/Build Contract for energy services for the installation of a roof-mounted, grid-tied solar photovoltaic array at Burnt Ranch Elementary School.

6.2 Review/Approve Resolution 2021/22-10-Resolution for Energy Conservation Services Contract for Design, Installation, and Commissioning Of Energy Conservation Upgrades

7.0 Adjourn to Closed Session

7.1 Review and discuss with the Interview Committee the Superintendent Candidates.

8.0 Return to Open Session

9.0 Adjourn

Burnt Ranch Elementary School District PV Proposal Comparison

	Haven-Electric	Greenwired Inc	CalSolar Inc	Sunboldt Soar	M&M/Six Rivers
Responsive	Yes. Provided preliminary design, with basic system description, rough installation plan, estimated system output and estimated savings.	Yes. Provided preliminary design, with detailed system and equipment description, detailed installation plan, estimated system output and estimated savings.	Yes. Provided preliminary design, with basic system description, rough installation plan, estimated system output and estimated savings.	Yes. Provided preliminary design, with detailed system and equipment description, detailed installation plan, estimated system output and estimated savings.	Yes, provides basic system component descriptions, module and inverter spec sheets. No plan view or conceptual images in proposal.
Team Qualifications	Qualified firm, C-10 (electrical), C-46 (solar) and Class B (general) licenses. Refers to "in-house" engineer, but no engineers on staff, no mention of collaboration with design firm.	Qualified firm, C-10 (electrical) and C-46 (solar) licenses. Lists Structre DE as licensed structural engineer and Natron Engineering as electrical engineer.	Qualified firm, C-10 (electrical), C-46 (solar) and Class B (general) licenses. Highly qualified team with lots of experience. In-house team of 4 project engineers	Qualified firm, C-10 (electrical) and C-46 (solar) licenses. Will hire Design Professional in General Responsible Charge, which is required for DSA projects which demonstrates understanding of DSA process.	Qualified as C-10 (electrical) contractor. Lists Six Rivers Solar (vendor/consultant) as sub-ESCO that will handle design, permitting, procurement, interconnection.
DIR Registered	1000830601	expired when checked of 4/21/2	1000042580	1000828229	1000049475
Scope	Roof-mounted modules and micro inverters on gymnasium, solar load center (panel) mounted on exterior wall of gym, all associated equipment, permitting with building dept., no trenching,	Roof-mounted on main classroom building. Will install concrete slab and fencing for inverters and trench and repair pavement to generator slab and main service panel. System monitoring included in proposal.	Roof-mounted on main classroom building, no details of related equipment locations, location of interconnection	Roof mounted arrays on both gymnasium and main classroom building. Detailed scope of work, including waste management plan, equipment locations detailed description of components. Proposes use of attic mechanical rooms for balance of system components	Scope on page 3 is brief. Mentions underground work without any specifics. Solar panels will be installed on main classroom building, inverters installed on cement pad in fenced area near AC units or main electric panel, trenching will be required
Exclusions	None	None	Yes, page 14, detailed, trenching and repair, price	None	None

Item 6.1(b)

Installation Location	South facing roof of gymnasium	South facing roof of main classroom building	South facing roof of main classroom building	Roof mounted arrays on both gym and main classroom building.	South facing roof of main classroom building
Schedule provided	Yes, page 7	Yes, attached seperately	Yes, page 13	Yes, page 13	Yes, page 8
Proposed Solar	41.76	60.1	50.5	60	70.3
Proposed Solar PV Price	\$217,512	\$218,905	\$273,884	\$216,000	\$220,000
Proposed Solar PV Cost/Watt	\$5.21	\$3.64	\$5.42	\$3.60	\$3.13
First Year Solar PV Output (kWh/yr)	56,160	74,870	72,931	78,724	92,000
Annual Cost Savings (\$)	\$14,601.60	\$19,466.20	\$18,962.06	\$20,468.24	\$23,920.00
Project Payback (years)	14.90	11.25	14.44	10.55	9.20
Panel Warranty (years)	25	12/25	12/25	12/25	12/25
Inverter	25	10	25	12	10
Contact Person	Mark Schaeffer	Noah Battles	Rachel McCafferty	Patrick Buckwalter	Marc Malfatti
Phone Number	707-502-5454	707-923-2001	619-203-5771	707-601-1540	707-498-6982
Email	mark@haven-electric.com	noah@greenwired.com	Rachel@calsolarinc.com	patrick.sunboltsolar@gmail.com	mmelectric5@yahoo.com

Item 6.1(c)

Notes	Smallest system size proposed. No system monitoring mentioned in proposal. Calls out wall mounted panel and disconnect on gym	DIR registration not active, inelligible to bid on CA Public Works projects. Called to discuss lapse in DIR registration , re-registered 4/22/2022. No system monitoring included in proposal.	Did not attend (non-mandatory site visit), safety planning included. Most experience, highest cost. No system monitoring included in proposal.	Steps to ensure code and DSA requirements in detail on page 10. Will hire Design Professional in General Responsible Charge, which is required for DSA projects which demonstrates understanding of DSA process. Briefly describes safety plan. Includes system monitoring	Description of design team limited to M&M/6 Rivers, no mention of architect or engineer for project. Includes SMA sytem monitoring in proposal. Largest system size proposed at 70 kW
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**BURNT RANCH ELEMENTARY SCHOOL DISTRICT
BOARD OF TRUSTEES**

RESOLUTION 2021/22-10

**RESOLUTION FOR ENERGY CONSERVATION SERVICES CONTRACT FOR
DESIGN, INSTALLATION, AND COMMISSIONING OF ENERGY
CONSERVATION UPGRADES**

WHEREAS, Government Code section 4217.12(a)(I) authorizes a public agency to enter into an energy service contract with respect to the energy conservation measures if the public agency's governing board finds that the terms are in the best interests of the public agency and the anticipated cost to the public agency for the conservation services provided under the contract will be less than the anticipated marginal costs to the public agency of thermal, electrical or other energy that would have been consumed by the public agency in the absence of such purchases; and

WHEREAS, Sunboldt Solar ("Designer-Builder") has represented to the Burnt Ranch Elementary School District ("District") that Designer-Builder has developed certain procedures for the design and installation of energy conservation measures as defined in Government Code section 4217.11 ("Energy Conservation Measures"); and

WHEREAS, Designer-Builder has analyzed the energy needs of the public facilities owned and operated by the District ("Facilities") and has represented that Designer-Builder's provision of Energy Conservation Measures to the Facilities will result in a reduction in energy consumption or demand that will result in net cost savings to the District ("Cost Savings"). A copy of an energy cost analysis is attached as Attachment "A" and incorporated herein ("Energy Analysis"); and

WHEREAS, based upon the Energy Analysis by Designer-Builder and presentation by District staff and its consultants, the anticipated cost to the District for Designer-Builder to provide and install the Energy Conservation Measures will be less than the anticipated marginal cost to the District of thermal, electrical, or other energy that would have been consumed by the District in the absence of the Energy Conservation Measures; and

WHEREAS on this date, pursuant to Government Code section 4217.10 et seq., the Governing Board of the District held a public hearing with respect to the District entering into the Contract with Designer-Builder; and

WHEREAS, a Notice of Public Hearing on the intention of the District to consider entering an energy services contract was posted at least 14 days prior to said Public Hearing; and

WHEREAS, said Public Hearing was conducted at a scheduled meeting of the Board of Trustees of the District.

NOW, THEREFORE, THE BOARD OF TRUSTEES OF THE BURNT RANCH ELEMENTARY SCHOOL DISTRICT DOES HEREBY RESOLVE, DETERMINE, AND ORDER, AS FOLLOWS:

Section 1. Recitals: All of the above recitals are true and correct and incorporated herein.

Section 2. Best Interests of the District: The Board of Trustees of the Burnt Ranch Elementary School District has determined that it is in the best interest of the District to enter into an energy services contract with Sunboldt Solar to construct such energy conservation measures and that the anticipated cost of energy usage to the District will be less than the anticipated marginal cost of energy usage to the District if the energy conservation measures are not implemented.

Section 3. Government Code section 4217.10 et seq: The Board of Trustees of the Burnt Ranch Elementary School District having obtained the necessary advice of legal counsel and other professional advisors, has determined that all conditions have been met such that the District may contract to build and implement the energy conservation measures without formal bidding process under the provisions of Government Code section 4217.10 et seq.

Section 4. Authorization and Instruction to Superintendent: The District Superintendent or designee is hereby authorized to enter into the Contract with Sunboldt Solar for the Design and Construction of Energy Conservation Measures at the District's school, to take all steps and perform all actions necessary to enter into the Contract with Sunboldt Solar and to take any actions deemed necessary to protect the interests of the District.

Section 5. Effective Date: This resolution shall take effect from and after its adoption.

Passed and adopted by the Burnt Ranch Elementary School District Board of Trustees at a public meeting of the board held on April 28, 2022.

AYES _____

NOS _____

ABSENT _____

ABSTAINED _____

BOARD REPRESENTATIVE

DATE