

Budget Narrative

EBKI is proposing this “EBKI Clean Power Project” to the Bureau of Indian Affairs (BIA) Tribal Electrification Program (TEP) to transition eight (8) Tribal homes to renewable, zero-emission sources of electricity. All program activities will be performed solely on EBKI Tribal Reservation land. EBKI intends to use the requested funding for transitioning Tribal homes to zero-emissions energy systems (solar), and the project budget includes expenses for repair and retrofitting of buildings necessary to the installation of those systems. Accordingly, these expenses are permissible under the FOA. All project activities fall under the umbrella of *Implementation* as defined in the FOA.

“EBKI Clean Power Project” will power eight existing Tribal-owned housing units on the Ewiiapaayp Indian Reservation. EBKI Reservation households are multi-family and multi-generational. The solar array systems will be supplemented by battery storage systems that will provide electricity after dark and during inclement weather.

EBKI’s project is planned for a total 2-year period of performance, following a funding award notification in September 2024 and receipt of funding in December 2024.

The total project budget is \$559,982.75. Based on SF-424A class categories, the budget is broken down in the below categories:

SF-424A Object Class Category	Total Cost
Personnel	\$ -
Total Personnel	
Fringe Benefits	\$ -
Total Fringe Benefits	
Travel	\$ -
Total Travel	
Equipment	
Total Equipment	\$ 380,000.00
Supplies	
Total Supplies	\$ 12,485.00
Contractual Services	
Total Contractual Services	\$ 167,500.00
Construction	
Total Construction	\$ -
Other	
Total Other	\$ -
Total Direct Charges	\$ 559,985.00
Total Indirect Charges	\$ -
Project Total	\$ 559,985.00

SF 424-A Cost Categories:

1. Personnel

There will be no costs associated with this category.

2. Fringe Benefits

There will be no costs associated with this category.

3. Travel

There will be no costs associated with this category.

4. Equipment

Equipment costs total \$380,000.00. These costs include:

- \$240,000.000 for 12 kW for each of the eight rooftop solar panel systems. Each of the eight Tribal homes will have solar Tesla rooftop solar panels integrated with the Tesla Powerwall 3 system. The cost is \$2.50 per W.
- \$140,000.00 for 8 Tesla PowerWall 3 systems. Powerwall 3 provides 13.5 kWh capacity, 11.5 kW power output. For each Tribal home two PowerWall 3 batteries, plus Tesla solar panels (see above). The cost for each of the eight Powerwall 3 systems is \$17,500.00.
 - 2 Powerwall 3 battery @ \$8,200 x 2 = \$16,400
 - 1 gateway @ \$900 = \$900
 - Accessories @ \$200 = \$200

5. Supplies

- \$12,485 for supplies for upgrade of electric panels, circuit breakers, wiring, and grounding.
 - 8 outdoor 200 A panels @ \$186 = \$1,488
 - 16 QOM2 40 A 2-pole GFCI circuit breakers @ \$129 = \$2,064
 - 16 Copper grounding system @ \$327 = \$5,232
 - 1 500 ft 6mm2 stranded copper wire @ 469 = \$469
 - 16 Solar panel bird wire 8 inch x 100 ft @ 89 = \$1,424
 - 8 10/3 Solid Romex SIMpull CU NM-B 100 ft @ 226 = \$1,808

6. Contractual Services

Contractual Services costs total \$167,500.00. These costs include:

- \$80,000 for Tesla certified inspection of Tesla Powerwall 3 and Tesla solar panel systems for 8 Tribal homes @ \$10,000 per installation. The installation cost is higher than typical \$7,500 Tesla installation cost due to the remote, rural, off-grid sites of the Tribal homes on the Reservation.
- \$24,000.00 for electrician services to install electric panels, circuit breakers, and wiring upgraded to solar system @ \$3,000 for 8 home sites.
- \$8,000.00 for inspection of all installation of solar systems and electric.

- \$24,000 for cage to enclose and protect outdoor Powerwall systems @ \$3,000 for 8 units.
- \$31,500 for project management services. These costs include 140 hours at \$225.00 an hour to oversee the project.

7. Construction

There will be no costs associated with this category.

8. Other

There will be no costs associated with this category.

9. Indirect Charges

The total direct charges for this project are \$559,985.00. Indirect charges are not allowable. The project total cost is \$559,685.00.

10. Program Income

There will be no program income for this project.