

Council Date: April 12, 2018

Posting Language

Authorize execution of an agreement with Austin Independent School District to provide performance-based incentives for the generation of solar energy at its facilities located at: Boone Elementary School, 8101 Croftwood Drive; Galindo Elementary School, 3800 South 2nd Street; Kocurek Elementary School, 9800 Curlew Drive; and Paredes Middle School, 10001 David Moore Drive, for an estimated \$100,929 per year, for a total amount not to exceed \$1,009,290 over a 10-year period. (Districts 3, 5, 8)

Lead Department

Austin Energy

Fiscal Note

Funding is available in the Fiscal Year 2017-2018 Operating Budget of Austin Energy.

For More Information:

Jeff Vice, Director, Local Government Issues (512) 322-6087; Danielle Murray, Solar Program Manager (512) 322-6055.

Council Committee, Boards and Commission Action:

March 19, 2018 – To be reviewed by the Electric Utility Commission.

March 20, 2018 – To be reviewed by the Resource Management Commission.

Additional Backup Information:

Austin Energy requests authorization to enter into an agreement with Austin Independent School District, to provide a performance-based incentive (PBI) for an amount not to exceed \$1,009,290 over a 10-year period, for the generation of solar energy at the following facilities located within Austin Energy's service area:

1. Boone Elementary School, 8101 Croftwood Drive in District 8;
2. Galindo Elementary School, 3800 South 2nd Street in District 3;
3. Kocurek Elementary School, 9800 Curlew Drive in District 5; and
4. Paredes Middle School, 10001 David Moore Drive in District 5.

The total installation cost is \$1,737,335.90 and the incentive will cover up to 58% of the cost. The PBI level for this project is \$0.06 per kilowatt hour (kWh) for 10 years. The solar equipment, which meets Austin Energy program requirements, includes a total of 3,040 solar modules rated at 355 watts. The combined solar installations will have a total capacity of 895.7 kW-AC.

Austin Energy's solar program helps meet the community's solar goal of 950 Megawatts (MW) by 2025, including 200 MW of local solar capacity, established in the updated Resource, Generation and Climate Protection Plan approved by City Council in August 2017. The solar program is designed to reduce the amount of electricity Austin Energy must purchase from the market and reduce associated greenhouse gas emissions.

These new energy improvements will together generate an estimated 1,462,739 kWh per year— enough to power 139 average Austin homes for a year. This project is estimated to prevent the production of the following emissions each year: 968 tons of Carbon Dioxide (CO₂); 1,221 pounds of Sulfur Dioxide (SO₂); 1,350 pounds of Nitrogen Oxide (NO_x); and 938 pounds of Carbon Monoxide (CO). These emissions reductions are equivalent to planting 22,564 trees or 1,128 acres of forest in Austin's parks or the removal of 1,972,039 vehicle miles or 168 cars from Austin roadways.

The Austin City Council launched Austin Energy's original solar photovoltaic (PV) rebate incentive program in 2004 (Resolution No. 040527-06) to benefit Austin residents and utility customers by: promoting the use of an environmentally-friendly and energy efficient renewable energy resource; promoting economic development for the development, recruitment and retention of renewable energy enterprises; and ensuring that Austin remains a local, national and international leader in the development and use of renewable energy.

In 2010, City Council approved Resolution No. 20100204-003, revising Austin Energy's solar program for commercial customers by replacing the upfront rebate with "performance-based" payments. The PBI solar program offers commercial customers payments based on the metered solar production of their approved PV system for the first 10 years of operation. Payments are made as a monthly billing adjustment to the customers' electric account.



Austin Energy Project Fact Sheet Solar Applications

File Number(s)	1144575, 1144785, 1144787, 1144788
Customer Name	AUSTIN INDEPENDENT SCHOOL DISTRICT
Facility Addresses	8101 CROFTWOOD DR 3800 S 2ND ST 9800 CURLEW DR 10001 DAVID MOORE DR
Estimated Incentives	\$100,929 per year for 10 years
Application Received Date	1/25/2018
Number of Modules	3040
Wattage per Module (STC)	355
Solar Contractor	Performance Contracting, Inc.
Installation Cost	\$1,737,335.90
Estimated kWh Savings	1,462,739 kWh
Estimated kW Demand Savings	895.7 kW-AC
Estimated Date of Completion	July 2018
Site Information/Additional Comments	Boone ES Galindo ES Kocurek ES Paredes MS