

AGENDA



Recommendation for Council Action

Austin City Council	Item ID	25897	Agenda Number	
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Meeting Date:	8/8/2013	Department:	Austin Energy
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Subject

Authorize negotiation and execution of an agreement with Austin Children’s Museum, to provide a performance-based incentive for the generation of solar energy at its facility located at 1830 Simond Ave., Austin, Texas 78723, for an estimated \$7,811 per year, for a total amount not to exceed \$78,118 over a 10-year period.

Amount and Source of Funding

Funding in the amount of \$7,811 is available in the Fiscal Year 2012-2013 Operating Budget of Austin Energy.

Fiscal Note

There is no unanticipated fiscal impact. A fiscal note is not required.

Purchasing Language:

Prior Council Action:

For More Information: Jeff Vice 322-6087, Debbie Kimberly 322-6327, Leslie Libby 482-5390.

Boards and Commission Action: To be reviewed by the Electric Utility Commission on July 15, 2013, and the Resource Management Commission on July 16, 2013.

MBE / WBE:

Related Items:

Additional Backup Information

Austin Energy requests authorization to enter into an agreement with the Austin Children’s Museum, to provide a performance-based incentive (PBI) for an estimated \$7,811 per year, for a total amount not to exceed \$78,118 over the 10-year period, for the generation of solar energy at its new facility located at 1830 Simond Ave., Austin, Texas 78723.

The total installation cost is \$165,620 and the incentive will cover between 45% and 47% of the cost. The PBI level for this project is \$0.12 per kWh for 10 years. The solar equipment, which meets Austin Energy program requirements, includes a total of 182 solar modules rated at 260 watts and associated inverters rated at 98% efficiency. A total of 36.4 kW-AC in demand savings is expected.

This energy improvement will save an estimated 62,000 kWh per year—enough to provide electricity to five average Austin homes for a year—and produce an estimated 62 Renewable Energy Credits (RECs) per year. Based on the accepted industry average for water use in power generation, this project will reduce water use by approximately 27,900 gallons annually. The kWh savings are equivalent to the planting of 956 trees or 48 acres of forest in Austin's parks or the removal of 83,586 vehicle miles or 7.1 cars from Austin roadways. This project will save 37.2 tons of Carbon Dioxide (CO₂); 52 pounds of Sulfur Dioxide (SO₂); 57 pounds of Nitrogen Oxide (NOX), and 40 pounds of Carbon Monoxide (CO) from being emitted into the atmosphere.