

AGENDA



Recommendation for Council Action

Austin City Council	Item ID	29716	Agenda Number	3.
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Meeting Date:	1/23/2014	Department:	Austin Energy
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Subject

Authorize negotiation and execution of an agreement with Crystal Mountain, to provide a performance-based incentive for the generation of solar energy at its facility located at 9433 Bee Cave Road, Austin, Texas, for an estimated \$36,419 per year, for a total amount not to exceed \$364,190 over a 10-year period.

Amount and Source of Funding

Funding in the amount of \$36,419 is available in the Fiscal Year 2013-2014 Operating Budget of Austin Energy.

Fiscal Note

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

Purchasing Language:	
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Prior Council Action:	
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For More Information:	Jeff Vice, Director, Local Government Issues (512) 322-6087; Debbie Kimberly, Vice President, Distributed Energy Services (512) 322-6327; Kurt Stogdill, Interim Solar Program Manager (512) 322-6510.
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Boards and Commission Action:	December 16, 2013 - Recommended by the Electric Utility Commission; December 17, 2013 - Recommended by the Resource Management Commission.
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MBE / WBE:	
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Related Items:	
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Additional Backup Information

Austin Energy requests authorization to enter into an agreement with Crystal Mountain, to provide a performance-based incentive (PBI) for an estimated \$36,419 per year, for a total amount not to exceed \$364,190 over the 10-year period for the generation of solar energy at this office complex located at 9433 Bee Cave Road, Austin, Texas 78746.

The total installation cost is \$648,189 and the incentive will cover between 53% and 57% 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 759 solar modules rated at 295 watts and associated inverters rated at 96% efficiency. A total of 172 kW-AC in demand savings is expected.

This energy improvement will save an estimated 289,029 kWh per year—enough to provide electricity to 26 average Austin homes for a year—and produce an estimated 289 Renewable Energy Credits per year. These savings are equivalent to the planting of 4,459 trees or 223 acres of forest in Austin's parks or the removal of 389,664 vehicle

miles or 33 cars from Austin roadways. This project will save 191 tons of Carbon Dioxide; 241 pounds of Sulfur Dioxide; 267 pounds of Nitrogen Oxide; and 185 pounds of Carbon Monoxide from being emitted into the atmosphere, and 226,063 gallons of water at the power plant.