

## AGENDA



Thursday, July 23, 2009

**Austin Energy  
RECOMMENDATION FOR COUNCIL ACTION****Item No. 5**

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**Subject:** Approve the issuance of a Letter of Intent for a rebate to St. Alban's Episcopal Church for the installation of a solar photovoltaic system at the project located at 11819 IH-35 South, Austin, Texas, in the amount of \$100,000.

**Amount and Source of Funding:** Funding is available in the Fiscal Year 2008-2009 Operating Budget of Austin Energy Conservation Rebates and Incentives Fund.

**Fiscal Note:** There is no unanticipated financial impact. A fiscal note is not required.

**For More Information:** Fred Yebra, Director, Demand Side Management, 482-5305; Leslie Libby, Solar Rebate Program Manager, 482-5390.

**Boards and Commission Action:** Recommended by the Resource Management Commission.

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Austin Energy (AE) requests authorization to issue a Letter of Intent in the amount of \$100,000 to St. Alban's Episcopal Church for the installation of a solar photovoltaic system at the project located at 11819 IH-35 South, Austin, Texas, 78747. The total installed cost is estimated to be \$135,100 and the rebate will cover approximately 74% of the cost. The rebate level for this project is \$4,343 per kW. The solar equipment, which meets AE program requirements, includes a total of 117 solar modules rated at 205 watts and associated inverters are rated at 96% efficiency respectively. A total of 19.9 kW in demand savings is expected.

The cash rebate amount for this project is \$4.50 per watt. On March 13, 2009, Austin Energy revised the rebate amount to \$3.75 per watt as a result of new enhanced federal tax credits that will offset a greater share of the costs for individuals and businesses installing solar energy systems. Lowering the rebate was necessary for budgetary reasons, as Austin Energy expected an increase in solar energy installation with the new tax credit legislation. This reduced rebate is still one of the largest in the nation and coupled with the enhanced federal tax credits, will further reduce the out-of-pocket cost of solar installations to Austin Energy customers. In addition to this project, Austin Energy received other applications submitted prior to the rebate amount reduction, and will be bringing those to Council for approval.

This energy improvement will save an estimated 31,268 kWh per year--enough to provide electricity to three average Austin homes for a year--and produce an estimated 31 Renewable Energy Credits per year. These savings are equivalent to the planting of 693 trees or 35 acres of forest in Austin's parks or the removal of 35,508 vehicle miles or four cars from Austin roadways. This project will save 20.2 tons of Carbon Dioxide (CO<sub>2</sub>), 25.5 pounds of Sulfur Dioxide (SO<sub>2</sub>), 28.2 pounds of Nitrogen Oxide (NOX), and 20 pounds of Carbon Monoxide (CO) from being emitted into the atmosphere.

The Commercial Energy Efficiency programs are elements of AE's comprehensive effort to reduce local air pollution through energy conservation, to reduce peak demand, and to assist customers in reducing electric consumption.

This effort will provide AE with a constructive market transformation opportunity while adding a value-added service to encourage customer retention.