

A G E N D A



Recommendation for Council Action

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| Austin City Council - Commissioners Court Meeting | | Item ID | 35152 | Agenda Number | 6. |
| Meeting Date: | 8/28/2014 | | Department: | Austin Energy | |
| Subject | | | | | |
| Approve issuance of a rebate to Intel Corporation for the installation of energy efficiency improvements at the AN4 Central Plant and Data Center located at 1300 S. Mopac Expressway, Austin, Texas, in an amount not to exceed \$178,890. | | | | | |
| Amount and Source of Funding | | | | | |
| Funding 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: | | | | | |
| Prior Council Action: | | | | | |
| For More Information: | Jeff Vice, Director, Local Government Issues (512) 322-6450; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138. | | | | |
| Boards and Commission Action: | August 18, 2014 – Recommended unanimously by the Electric Utility Commission on a vote of 7-0; August 19, 2014 – Recommended unanimously by the Resource Management Commission on a vote of 4-0. | | | | |
| MBE / WBE: | | | | | |
| Related Items: | | | | | |

Additional Backup Information

Austin Energy requests authorization to issue a rebate to Intel Corporation, in an amount not to exceed \$178,890, for energy efficient chillers, lighting, transformers, multiple variable frequency drives, replacement of Direct Expansion Computer Room Air Conditioning (CRACs) with more efficient Water Cooled CRACs, replacement of Constant Volume CRACs with more efficient variable flow Electronically Commutated Motor plug fans, and replacement of a Flooded Room Air Conditioning arrangement with the more efficient Hot Aisle and Chimney Containment arrangements in accordance with the City of Austin's Commercial Rebate Program guidelines. This program is one element of Austin Energy's comprehensive Resource, Generation and Climate Protection Plan to 2020, approved in April 2010 by City Council and designed to reduce local air pollution through energy conservation, reduce peak demand, and assist customers in reducing electric consumption.

The Intel Corporation AN4 facilities are located at 1300 S. Mopac Expressway, Austin, Texas 78746. The energy efficient improvements were part of a high efficiency upgrade and expanded capacity of their central plant and a high efficient replacement and redesign of 9,500 square feet of data center. The total cost of this project is about \$8,500,000 and the rebate will cover 2% of the cost. The demand (kW) savings associated with this energy efficiency project are estimated at 332 kW, at a program cost of \$539 per kilowatt saved. The avoided kWh, estimated at 1,257,410 kWh per year, represents a major benefit to the local environment. This project will prevent the following air pollutants from being emitted: 755 metric tons of Carbon Dioxide (CO₂), 0.476 metric tons of Sulfur Dioxide (SO₂), and 0.526 metric tons of Nitrogen Oxides (NO_x).

In addition to the reduced air and toxic pollution, the project savings are also equivalent to an estimated 1,695,218 vehicle miles traveled, the removal of 145 cars from our roadways, or the planting of 19,397 trees or 970 acres of forest in Austin's parks. The project will also generate approximately 565,834 gallons of reduced evaporation at the power plant.

