

## A G E N D A



## Recommendation for Council Action

Austin City Council		Item ID	71842	Agenda Number	7.
Meeting Date:	6/22/2017			Department:	Austin Energy
Subject					
Approve issuance of a rebate to Texas Facilities Commission, for performing energy efficiency improvements at 1100 West 49 <sup>th</sup> Street, in an amount not to exceed \$96,809. (District 9)					
Amount and Source of Funding					
Funding is available in the Fiscal Year 2016-2017 Operating Budget of Austin Energy.					
Fiscal Note					
A fiscal note is not required.					
Purchasing Language:					
Prior Council Action:					
For More Information:	Jeff Vice, Director, Local Government Issues (512) 322-6087; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.				
Council Committee, Boards and Commission Action:	June 19, 2017 – To be reviewed by the Electric Utility Commission. June 20, 2017 – To be reviewed by the Resource Management Commission.				
MBE / WBE:					
Related Items:					

## Additional Backup Information

Austin Energy requests authorization to issue a rebate to the Texas Facilities Commission, in an amount not to exceed \$96,808, for energy efficiency measures completed at the "Old Plant" facility on the Texas Department of State Health Services campus at 1100 West 49th Street, in Council District 9.

This Department of State Health Services project includes various mechanical and electrical system renovations to its Old Plant facility. The Old Plant supplies chilled water that cools over 1.4 million square feet of offices, warehouse space, laboratories, and other facilities on the 32.8-acre campus.

The energy efficiency measures implemented at this property include high efficiency water-cooled chillers, cooling towers, and variable frequency drives on pumps and fans. The estimated total cost of the measures is \$3,142,000; the rebate will cover 1.8% of the total cost.

These improvements are in accordance with Austin Energy's Commercial Rebate Program guidelines. This program is

one element of the comprehensive Austin Energy Resource, Generation and Climate Protection Plan to realize 700 megawatts (MW) of energy efficiency and 200 MW of demand response by 2025. The original plan, approved by City Council in April 2010 and updated in December 2014, is designed in part to reduce local air pollution through energy conservation, reduce peak demand, reduce the need to purchase additional generation and assist customers in reducing electric consumption.

The avoided kilowatt-hours (kWh) are estimated at 695,974 kWh per year, and represent a major benefit to the local environment. This project is estimated to prevent the production of the following emissions annually: 372.5 metric tons of Carbon Dioxide (CO<sub>2</sub>), 0.165 metric tons of Nitrogen Oxides (NO<sub>x</sub>), and 0.418 metric tons of Sulfur Dioxide (SO<sub>2</sub>). The project savings is equivalent to an estimated 836,634 vehicle miles traveled, the removal of 71 cars from our roadways, or the planting of 9,573 trees or 479 acres of forest in Austin's parks.