

Council Meeting Date: September 20, 2018

Posting Language:

Approve issuance of a rebate to SL Domain LP, for performing energy efficiency improvements at the Domain Office Building located at 10721 Domain Drive, in an amount not to exceed \$78,741. (District 7)

Fiscal Note:

Funding in the amount of \$78,741 is available in the Fiscal Year 2017-2018 Operating Budget of Austin Energy.

For More Information:

Jeff Vice, Director, Local Government Relations (512) 322-6087; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.

Council Committee, Boards and Commission Action:

August 13, 2018 – Recommended unanimously by the Electric Utility Commission on a 9-0 vote with Vice Chair Hadden absent and one vacancy. August 21, 2018 – To be reviewed by the Resource Management Commission.

Additional Backup Information:

Austin Energy requests authorization to issue a rebate to SL Domain LP, in an amount not to exceed \$78,741, for energy efficiency measures at the Domain Office Building located at 10721 Domain Drive, in Council District 7. The energy efficiency measures include: custom technology (high efficiency elevators), water cooled centrifugal chillers, cooling tower, electronically commutated motors, energy recovery ventilator, lighting and lighting controls and variable frequency drives (VFDs). The estimated total cost of the facility is \$60,000,000. The rebate will cover less than 1% of the total cost of the facility.

These improvements are in accordance with Austin Energy's Commercial Rebate Program guidelines and the Energy Conservation Audit and Disclosure (ECAD) Ordinance. The rebate program is one element of the comprehensive Austin Energy Resource, Generation and Climate Protection Plan to realize 900 MW of energy efficiency and demand response by 2025. It 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), estimated at 1,047,049 kWh per year, represent a major benefit to the local environment. This project is estimated to prevent the production of the following air emissions annually: 560 metric tons of Carbon Dioxide (CO₂), 0.2 metric tons of Nitrogen Oxides (NO_x), and 0.6 metric tons of Sulfur Dioxide (SO₂). The project savings is equivalent to an estimated 1,258,663 vehicle miles traveled, the removal of 107 cars from our roadways, or the planting of 14,402 trees or 720 acres of forest in Austin's parks.



COMMERCIAL REBATE FACT SHEET

Domain Office Building

Property Name	Domain Office Building			
Customer Name	SL Domain LP			
Property Address	10721 Domain Drive, Austin, TX 78758			
Total Square Feet	322,730			
Year Built	2018			
Air Conditioner Tonnage	1140			
Water Heater Type	Electric			
Total Rebate – Not to Exceed	\$78,741			
Note(s)				
The Domain Office Building, a new construction project, installed the energy conservation measures listed below, resulting in a rebate of \$78,741. The rebate amount is 0.13% of the total construction cost (\$60,000,000) of the building.				
Project Annual Savings (Estimated)				
Kilowatt (kW)	337			
\$/kW	\$233.65			
Kilowatt-hours (kWh)	1,047,049			
Scope of Work				
Measure	Rebate Amount	kW Saved – Estimated	kWh Saved – Estimated	\$/kW
Custom Technology - High Efficiency Elevators (9) ^[1]	\$16,576.00	75	93,345	\$220.78
Water Cooled Centrifugal Chillers (2)	\$27,452.52	74	115,501	\$371.90
Cooling Tower	\$4,264.21	17	56,623	\$ 247.92
Electronically Commutated Motors (3)	\$202.14	1	2,423	\$238.43
Energy Recovery Ventilator	\$1,919.97	8	11,767	\$248.06
Lighting Controls	\$803.70	8	54,072	\$103.31
New Construction Lighting ^[2]	\$9,685.26	95	623,134	\$101.75
Variable Frequency Drives (10) ^[3]	\$17,836.61	59	90,184	\$300.53
Total	\$78,740.41	337	1,047,049	\$233.65
Measures Performed - Last 10 Years at this Property			Completion Date	Rebate Amount
N/A - New Construction				

[1] Commercial Custom Technology comprised of installation of high efficiency Gearless Regenerative Elevators.

[2] The New Construction Lighting baseline is the 2015 Energy Code. While LED lighting is becoming the standard, efficiencies can still be achieved by choice of lamps, fixtures and design of the amount and placement of lighting installed.

[3] Variable Frequency Drives (VFDs) adjust the speed of a pump or motor by varying its input frequency and voltage, thereby reducing its peak power when full speed is not required. VFDs are installed on chilled water pump, condenser water pump and domestic pump.