


<div style="text-align: center;"> A U S T I N C I T Y C O U N C I L AGENDA </div> 				
Recommendation for Council Action				
Austin City Council	Item ID	68134	Agenda Number	
Meeting Date:	3/2/2017		Department:	Austin Energy
Subject				
<p>Approve issuance of a rebate to Seton Family of Hospitals for installing energy efficiency measures at the Dell Seton Medical Center at The University of Texas, located at 1500 Red River Street, in an amount not to exceed \$263,741. (District 1)</p>				
Amount and Source of Funding				
<p>Funding is available in the Fiscal Year 2016-2017 Operating Budget of Austin Energy.</p>				
Fiscal Note				
<p>A fiscal note is not required.</p>				
Purchasing Language:				
Prior Council Action:				
For More Information:	<p>Jeff Vice, Director, Local Government Issues (512) 322-6087; Denise Kuehn, Director, Energy Efficiency Services (512) 322-6138.</p>			
Council Committee, Boards and Commission Action:	<p>To be reviewed by the Resource Management Commission on February 21, 2017, and the Electric Utility Commission on February 27, 2017.</p>			
MBE / WBE:				
Related Items:				
Additional Backup Information				
<p>Austin Energy requests authorization to issue a rebate to the Seton Family of Hospitals, in an amount not to exceed \$263,741, for energy efficiency measures to be completed at the Dell Seton Medical Center at The University of Texas, located at 1500 Red River Street, in Council District 1.</p> <p>The Dell Seton Medical Center at UT is one of four teaching hospitals for UT's new Dell Medical School. The Dell Seton Medical Center is a new facility of approximately 517,000 square feet with 211 beds in operation and space for an additional 135 beds in the future.</p> <p>The energy efficiency measures implemented at this property are high efficiency air conditioners, regenerative elevators, heat pump chillers, energy efficient kitchen equipment, high efficiency lighting, lighting controls, and variable frequency drives on pumps and fans. The estimated total cost of the project is \$9,705,915 and the rebate will cover 2.7% 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 MW of energy efficiency and 200 MW of demand response by 2025. The</p>				

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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) estimated at 6,673,649 kWh per year represents a major benefit to the local environment. This project is estimated to offset the production of the following air emissions: 4,007.3 metric tons of Carbon Dioxide (CO₂), 2.793 metric tons of Nitrogen Oxides (NO_x), and 2.526 metric tons of Sulfur Dioxide (SO₂). The project savings is equivalent to an estimated 8,997,298 vehicle miles traveled, the removal of 768 cars from our roadways, or the planting of 102,949 trees or 5,147 acres of forest in Austin's parks.

DELL SETON MEDICAL CENTER UT

REBATE FACT SHEET

Property Name	Dell Seton Medical Center at The University of Texas			
Customer Name	Seton Family of Hospitals			
Property Address	1500 Red River Street			
Total Square Feet	517,000			
Year Built	2017			
Energy Conservation Audit and Disclosure (ECAD) Status¹	New Construction - EXEMPT			
Total Measure Costs	\$9,705,915			
Total Rebate – Not to Exceed	\$263,741			
% of Total Measure Costs	2.7%			
Scope of Work				
Air Conditioning Units, Regenerative Elevators, Heat Pump Chillers, Kitchen Equipment, High Efficiency Lighting, Variable Frequency Drives				
Project Annual Savings				
Kilowatt (kW) Saved – Estimated	1,092			
\$/kW – Estimated	\$242			
Kilowatt-hours (kWh) Saved – Estimated	6,673,649			
Measures Performed - Last 10 Years at this Property			Completion Date	Rebate Amount
None – New Construction			N/A	N/A
Scope of Work				
Measure	Rebate Amount	kW Saved – Estimated	kWh Saved – Estimated	\$/kW
Air Conditioning	\$ 330	0.31	1,279	\$ 1,054
Regenerative Elevators ²	\$ 22,971	85.97	181,036	\$ 267
Heat Pump Chillers ³	\$ 129,629	370.40	3,244,418	\$ 350
Kitchen Equipment	\$ 350	4.94	3,764	\$ 71
High Efficiency Lighting	\$ 39,960	377.26	1,974,866	\$ 106
Lighting Controls	\$ 15, 017	100.46	880,580	\$ 149
Variable Frequency Drives ⁴	\$ 55,484	152.58	387,706	\$ 727

¹ TITLE 6. ENVIRONMENTAL CONTROL AND CONSERVATION. CHAPTER 6-7. ENERGY CONSERVATION code (ECAD Ordinance).

² Regenerative is a type of elevator that recycles energy rather than wasting it as heat. When the elevator cab travels down with a heavy load or up with a light load, the motor acts as a generator, transforming mechanical power into electrical power.

³ Heat Pump Chillers generate hot water as a by-product of the chilled water system to be used in other systems requiring heat.

⁴ 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.