

RESOLUTION NO. 20170817-061

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF AUSTIN:

City Council adopts the Electric Utility Commission Resource Planning Working Group’s 2016-17 Recommendations for Resource Planning Update, a copy of which is attached as Exhibit A, subject to the other provisions of this Resolution.

BE IT FURTHER RESOLVED:

In addition to the Working Group’s Recommendations on Transportation, the City Council adopts the following additional directives:

1. Support the deployment of EV charging infrastructure to enable the City Fleet Services electrification plan, which includes at least 330 new charging stations by 2020 and deployment of at least 8-10 Austin Energy owned and operated DCFast stations by FY 2018.

2. Support the City Fleet Services electrification plan by transitioning 65 Austin Energy retired internal combustion engine vehicles to new electric vehicles by 2020.

3. Complete the Austin SHINES project by FY 2019 that includes assessing the value and business case for integrating stationary distributed energy storage. Leverage findings to determine applicability to EV batteries. Before the FY 2019 generation plan update, Austin Energy should do an analysis of potential value streams for energy storage that may include Demand Charge Reduction, Peak Load Reduction, Energy Arbitrage, Price Responsive Opportunities, Voltage Support, and Congestion Management and evaluate open standards and business cases that could be applied to a

future state of feasible and affordable EV distributed storage. Additionally, identify potential load and storage resulting from aggressive EV development.

4. Support growth of public and private charging station deployments by offering rebates, operational support, outreach, and special public charging rates to include support for low income populations.
5. Leverage the residential EV time-of-use rate pilot "EV360," launched in 2017, to develop lessons learned and best practices in FY 2018 for consideration in a wider roll-out of this service.

BE IT FURTHER RESOLVED:

In addition to the Working Group's Recommendations on Energy Efficiency and Demand Response, the City Council adopts the following directive:

Commit to accelerate Plug-In Electric Vehicle (PEV) based demand-response capabilities, including modifying the electric vehicle residential charging station rebate program to encourage the deployment of equipment that enables peak shaving for PEV's similar to Austin Energy's existing *Power Partners* HVAC demand-response thermostat program.

BE IT FURTHER RESOLVED:

The City Council adopts the Working Group's Recommendations regarding Energy Efficiency and Demand Response subject to the following amendment to the third bullet of that section of the Recommendations:

Commit to directing at least [~~15%~~] 20% of total DSM budget to existing and potential programs for low-income and hard-to-reach

markets in the multifamily and single-family areas along with small businesses. A minimum of 5 percent of the 20 percent will be dedicated to the low-income weatherization program per year.

BE IT FURTHER RESOLVED:

To clarify the recommendations endorsed by the Working Group, the City Council directs the City Manager to conduct the following and present the results to the Electric Utility Commission (EUC), Resource Management Commission (RMC), and the Austin Energy Utility Oversight Committee (AEUOC) no later than September 30, 2019:

1. Construct a model that achieves both a 75 percent and an 80 percent renewable energy goal by 2027, including a consideration of the costs, benefits, risks, and potential rate impacts.
2. Construct a model that achieves a 100 percent carbon-free energy goal by 2030, including a consideration of the costs, benefits, risks, and potential rate impacts.
3. Study and possibly pilot a utility managed rooftop solar program that requires no investment from customer participants.
4. Evaluate the Working Group's recommendation to achieve 1,000 MW of energy efficiency by 2027 upon completion of a measurement and verification consultant study, review of standards and technology, and an analysis of budget and progress-to-date. Reset the goal if necessary to reflect proportionate demand reduction savings given any new methodology implemented. Austin Energy will concurrently assess the potential to reach a higher goal of 1,100 MW of energy efficiency and demand response by 2027.

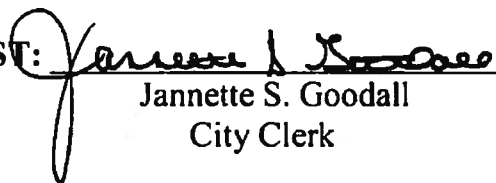
5. Using the lessons learned following completion and implementation of the SHINES project, develop a roadmap for implementation of electrical storage to achieve the existing goal of 10 MW of electrical storage by 2025.
6. Study the costs, benefits, risks and potential rate impacts of achieving a more aggressive electric storage goal, such as 50 MW of electrical storage by 2027 and of achieving 100 MW of electrical storage by 2027.
7. Study the technical and economic feasibility of emerging technologies, including dispatchable renewable energy technologies, battery storage, compressed air energy storage, aggregated demand response, and vehicle-to-grid.
8. Reassess the costs and benefits of raising the local solar goals from 200 MW by 2025 to 250 MW by 2025 and to 300 MW by 2027, following the first year of implementation of the commercial value of solar.
9. Assess the feasibility of achieving 100 percent renewable energy by 2035.

BE IT FURTHER RESOLVED:

That the City Council affirms its continued interest in achieving the city's climate protection goal of reducing emissions as quickly as possible.

ADOPTED: August 17, 2017

ATTEST:


Jannette S. Goodall
City Clerk