

## A G E N D A



## Recommendation for Council Action

|                     |         |       |               |    |
|---------------------|---------|-------|---------------|----|
| Austin City Council | Item ID | 28370 | Agenda Number | 6. |
|---------------------|---------|-------|---------------|----|

|               |           |             |               |
|---------------|-----------|-------------|---------------|
| Meeting Date: | 11/7/2013 | Department: | Austin Energy |
|---------------|-----------|-------------|---------------|

## Subject

Authorize negotiation and execution of an agreement with Samsung Austin Semiconductor, LLC, to provide a performance-based incentive for the generation of solar energy at its facility located at 12100 Samsung Boulevard, Austin, Texas 78754, for an estimated \$41,112 per year, for a total amount not to exceed \$411,120 over a 10-year period.

## Amount and Source of Funding

Funding in the amount of \$41,112 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) 322-6087; Debbie Kimberly, Vice President, Distributed Energy Services (512) 322-6327; Kurt Stogdill, Interim Solar Program Manager (512) 322-6510. |
| Boards and Commission Action: | October 21, 2013 - Recommended by the Electric Utility Commission.   |
| MBE / WBE:                    |  |
| Related Items:                |  |

## Additional Backup Information

Austin Energy requests authorization to enter into an agreement with Samsung Austin Semiconductor, LLC, to provide a performance-based incentive (PBI) for an estimated \$41,112 per year, for a total amount not to exceed \$411,120 over the 10-year period for the generation of solar energy at its regional distribution facility located at 12100 Samsung Boulevard, Austin, Texas 78754.

The total installation cost is \$776,623 and the incentive will cover between 50% and 53% of the cost. The PBI level for this project is \$0.12 per kWh for 10 years. The solar equipment, which meets Austin Energy program requirements, includes a total of 1018 solar modules rated at 255 watts and associated inverters rated at 96% efficiency. A total of 200 kW-AC in demand savings is expected.

This energy improvement will save an estimated 326,279 kWh per year—enough to provide electricity to 29 average Austin homes for a year—and produce an estimated 326 Renewable Energy Credits (RECs) per year. These savings

are equivalent to the planting of 5,033 trees or 252 acres of forest in Austin's parks or the removal of 446,884 vehicle miles or 38 cars from Austin roadways. This project will save 216 tons of Carbon Dioxide (CO<sub>2</sub>); 272 pounds of Sulfur Dioxide (SO<sub>2</sub>); 301 pounds of Nitrogen Oxide (NO<sub>x</sub>); and 209 pounds of Carbon Monoxide (CO) from being emitted into the atmosphere.