

CIP BUDGET EXPENSE DETAIL

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

8/16/12
Austin Energy

SUBJECT: Authorize award and execution of a contract with SOLAR COMMUNITY, or one of the other qualified offerors to RFP No. TVN0023, for the installation of a solar photovoltaic system at the Palmer Events Center in an estimated amount not to exceed \$575,000.

CURRENT YEAR IMPACT:

Department:	Austin Energy
Project Name:	Alternate Energy
Fund/Dept/Unit:	3120-1107-7624
Funding Source:	100% Current Revenues

Current Appropriation	32,040,284.00
Unencumbered Balance	8,959,987.85
Amount of This Action	<u>(575,000.00)</u>
Estimated Available	<u>8,384,987.85</u>

ANALYSIS / ADDITIONAL INFORMATION:

Austin Energy (AE) estimates the 232 kilowatt (kW) system will reduce electricity costs at the facility by approximately 302,575 kilowatt hours (kWh) per year, which equates to an annual savings of approximately \$30,680. This savings represents approximately 12% of the Palmer Events Center's energy consumption.

The system will produce enough electricity for 30 average Austin homes for a year and produce an estimated 303 Renewable Energy Credits per year. These savings are equivalent to the planting of 6,602 trees or 330 acres of forest in Austin's parks or the removal of 338,045 vehicle miles or 42 cars from Austin roadways. The project will save 175 tonnes of Carbon Dioxide (CO₂), 74 pounds of Sulfur Dioxide (SO₂), 372 pounds of Nitrogen Oxide (NO_x), and 485 pounds of Carbon Monoxide (CO) from being emitted into the atmosphere.