



BOARD OF SUPERVISORS  
AGENDA LETTER

Agenda Number:

Clerk of the Board of Supervisors  
105 E. Anapamu Street, Suite 407  
Santa Barbara, CA 93101  
(805) 568-2240

**Department Name:** General Services  
**Department No.:** 063  
**For Agenda Of:** May, 20 2014  
**Placement:** Administrative  
**Estimated Tme:** N/A  
**Continued Item:** No  
**If Yes, date from:**  
**Vote Required:** Majority

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**TO:** Board of Supervisors

**FROM:** General Services Matthew P. Pontes, Director (560-1011)

Contact Info: Greg Chanis, Assistant Director (568-3096)  
Roy Hapeman, Energy Manager (568-2628)

**SUBJECT:** Power Efficiency Services Agreement  
First District

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**County Counsel Concurrence**

As to form: Yes

**Auditor-Controller Concurrence**

As to form: Yes

**Risk Management:** As to form: Yes

**Recommended Actions:**

That the Board of Supervisors:

- a) Approve and authorize the Chair to execute the Power Efficiency and DC Fast Charger License Agreement with Green Charge Networks, LLC to install a 30KW energy storage system and Level 3 DC Fast Charging Electric Vehicle Charging Station at the Santa Barbara County Administration Building.
- b) Find that the proposed action consists of an extension of existing utility service to minor equipment improvements in existing County-owned facilities, and is therefore exempt from the California Environmental Quality Act (CEQA), pursuant to 14 CCR 15303(d). Approve and direct staff to file a Notice of Exemption on that basis.

**Summary Text:**

General Services is proposing to enter into an agreement with Green Charge Networks (GCN) for the installation of a 30KW Energy Storage System and a public Level 3 DC Fast Charging Electric Vehicle (EV) Charging Station. The EV charging station will be located in the Administration Building Motor Pool parking lot and the energy storage system will be located in the basement of the Engineering Building. Data analysis suggests energy costs will be reduced via installation of an energy storage system of this type.

Under the terms of the proposed agreement, GCN will provide, install and retain ownership of the entire system and be responsible for all operations and maintenance, at no cost to Santa Barbara County. The County's responsibility is to provide GCN with access to the site as necessary to install and maintain the energy storage system and EV charging station. When the agreement's five-year term expires, the County will have the option to:

- Renew the agreement with GCN
- Purchase the equipment at its depreciated value, or
- Require GCN to remove the equipment at no cost to the County

**Background:**

Under the terms of the proposed agreement, GCN will install a 30KW energy storage system, which will reduce Santa Barbara County Administration Building's energy costs through a reduction in utility demand charges. GCN will also install a Level 3 DC Fast Charging EV charging station. The project is entirely funded by a grant GCN received from the California Energy Commission (CEC). The combined value of the equipment and installation is approximately \$175,000.

The 30 KW energy storage system, which utilizes sophisticated proprietary software algorithms to predict and reduce spikes in peak power demand, is expected to generate approximately \$6,600 in savings in its first year of operation through a reduction of utility demand charges. Savings are anticipated to be similar in subsequent years of the five-year agreement period, with potential increases in savings as energy rates continue to escalate. Exact figures will vary based on actual electricity usage at the facility and rates set by Southern California Edison. Under the terms of the agreement, the County will share half of the savings generated by the system with GCN, leaving the County with an estimated net annual savings of \$3,300.00. This amount will be calculated and paid on a monthly basis. If energy cost savings are not realized in a particular month for any reason, including equipment failure, GCN will receive no payment for that month. . As the County's first energy storage project, this effort presents a unique opportunity to reduce energy costs at a County facility, further Santa Barbara County's renewable energy goals, and provide a new service to area residents in the form of a new Level 3 DC fast Charging EV charging station, all at no cost to the County.

The Level 3 Fast Charging EV Charging Station that will be installed as part of this project will be the first of its kind in the City of Santa Barbara, and one of only a handful available in the entire County. Level 3 chargers feature rapid charging capability which can charge compatible electric vehicles to 80 percent capacity in approximately 20 minutes, a dramatic decrease in charging times associated with conventional Level 1 and Level 2 EV Chargers. Charging fees will be set and collected by GCN, with the County being reimbursed for the cost of the electricity utilized for vehicle charging.

**Fiscal and Facilities Impacts:**

Budgeted: N/A

There is no cost to the County for acquiring, installing or maintaining the equipment associated with this agreement. The energy storage system is expected to generate approximately \$6,600 in savings in its first year by reducing utility demand charges. Savings are anticipated to be similar in subsequent years of the five-year agreement period, with potential increases in savings as energy rates continue to escalate. Exact figures will vary based on electricity usage at the facility and rates set by Southern California Edison. The County will share half of the savings each year with Green Charge Networks (GCN), leaving the County with a net estimated annual savings of \$3,300.00.

**Staffing Impacts:**

**Legal Positions:**  
0

**FTEs:**  
0

**Special Instructions:**

Direct the Clerk of the Board to forward two (2) copies of the certified minutes order to Roy Hapeman, General Services Department

**Attachments:**

1. Power Efficiency Services Agreement
2. Notice of Exemption

**Authored by:**

Roy Hapeman, Energy Manager, General Services (805) 568-2628