

**COUNTY OF SONOMA
AGENDA ITEM
SUMMARY REPORT**

Clerk of the Board Use Only
Meeting Date **Held Until**

Agenda Item No: **Agenda Item No:**

Department: Sonoma County Water Agency () 4/5 Vote Required

Contact: Lynne Rosselli	Phone: 524-3771	Board Date: 05-12-09	Deadline for Board Action:
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AGENDA SHORT TITLE:
Zero Emission Dedicated Electric Fleet Vehicles and Charging Infrastructure Project Grant Applications

REQUESTED BOARD ACTION(S):

1. Resolution authorizing and directing the General Manager/Chief Engineer of the Sonoma County Water Agency to file a grant application jointly with the Bay Area Air Quality Management District for the U.S. Department of Energy Clean Cities Grant Program under the American Recovery and Reinvestment Act of 2009 for the Zero Emission Dedicated Electric Fleet Vehicles and Charging Infrastructure Project, and upon grant award, negotiate and execute a grant agreement in substantially the form on file, with such changes as approved by County Counsel.
2. Resolution authorizing and directing the General Manager/Chief Engineer of the Agency to file a grant application jointly with the County of Sonoma for the California Energy Commission AB118 Alternative and Renewable Fuel and Vehicle Technology Program for the Zero Emission Dedicated Electric Fleet Vehicles and Charging Infrastructure Project, and upon grant award, negotiate and execute a grant agreement in substantially the form on file, with such changes as approved by County Counsel.
3. Resolution authorizing the General Manager/Chief Engineer of the Agency to file a grant application jointly with the County of Sonoma for the Bay Area Air Quality Management District Transportation Fund for Clean Air Program for the Zero Emission Dedicated Electric Fleet Vehicles and Charging Infrastructure Project, and upon grant award, negotiate and execute a grant agreement in substantially the form on file, with such changes as approved by County Counsel.

CURRENT FISCAL YEAR FINANCIAL IMPACT

EXPENDITURES		ADD'L FUNDS REQUIRING BOARD APPROVAL		
Estimated Cost	\$	-0-	Contingencies	\$ -0-
			(Fund Name:)	
Amount Budgeted	\$	-0-	Unanticipated Revenue	\$ -0-
			(Source:)	
Other Avail Approp (Explain below)	\$		Other Transfer(s)	\$ -0-
			(Source:)	
Additional Requested:	\$	-0-	Add'l Funds Requested:	\$ -0-

Explanation (if required): No current year funding requested. Agency will budget for this program's appropriation in its Fiscal Year 2009/2010 and subsequent year Internal Service Fund (Equipment) 687103 and (Facilities Fund) 687202 budgets if the grants are awarded.

Prior Board Action(s):

11/18/08 Authorized the Chair to execute a Memorandum of Understanding with Nissan North America, Inc.
 08/12/08 Executed the Nissan North America, Inc. Non-Disclosure Agreement in order to participate in discussions relative to an electric car partnership with Nissan

Alternatives - Results of Non-Approval:

This grant opportunity and a grant opportunity through the California Energy Commission would be lost.

Background: 1) Memorandum of Understanding; 2) Standard Contract; 3) California Energy Commission Standard Agreement; and 4) US Department of Energy Standard Agreement on file with the Clerk.

Partnerships and Joint Efforts

In 2005, all nine Sonoma County cities, the County of Sonoma (County), the Sonoma County Transportation Authority (SCTA), and the Sonoma County Water Agency (Agency) committed to coordinating efforts to develop, disseminate, and implement climate change programs and policies regionally. These entities collectively established a bold goal for reducing greenhouse gas (GHG) emissions — 25 percent below 1990 levels by 2015.

Sonoma County Local Government Electric Vehicle Partnership

As an outgrowth of the Agency's participation with the Regional Climate Protection Partnership, the Agency has collaborated with the County, the Northern Sonoma County Air Pollution Control District (NSCAPCD), Nissan Motors, Inc., and the cities within Sonoma County to create the working group called the Sonoma County Local Government Electric Vehicle Partnership (Sonoma County Partnership). Nissan Motors is helping to coordinate the local effort and lending its expertise with electric vehicle (EV) technology.

The objectives of the Sonoma County Partnership are twofold:

1. Develop and demonstrate the viability of an electric vehicle charging station infrastructure throughout the County and replace fleet vehicles with either plug-in hybrid electric vehicles (PHEV) and/or EV.
2. Reduce greenhouse gas emissions from all local government agencies throughout the County.

The Agency proposes to implement a Zero Emission Dedicated Electric Fleet Vehicles and Charging Infrastructure Project to help achieve its goal of providing carbon free water by 2015 and reduce GHG emissions.

On May 12, 2009, the General Services Department will provide a presentation to the Board of Supervisors that will discuss the Sonoma County Local Government Electric Vehicle Partnership formed to apply for the Department of Energy Clean Cities Area 4 funds. The Board of Supervisors will also consider an item from the NSCAPCD on the same issue. Separate items were submitted as the combination of actions requested by each department, while complimentary and coordinated, are different and specific to each department.

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Attachments: Resolutions (R1); (R2); (R3).

On File With Clerk: 1) Memorandum of Understanding with Nissan North America, Inc.,
2) Bay Area Air Quality Management District Standard Contract, and
3) California Energy Commission Standard Agreement; and
4) U.S. Department of Energy Standard Agreement.

CLERK OF THE BOARD USE ONLY

Board Action (If other than "Requested")

Vote:

Background (continued):

Grant Initiatives

To fund the EV initiatives the Agency, the Sonoma County Partnership and NSCAPCD are collaboratively pursuing multiple grant initiatives. Grant monies could provide funding for the installation of both EV charging stations throughout the County and fund the acquisition of PHEVs or EVs over the next 18 months. We are applying for these funds as part of the regional partnership.

Bay Area Air Quality Management District (District) Grant Initiative

As a participant of the Bay Area EV Stakeholder Partnership which is being lead by the District and City of San Francisco, the Sonoma County Partnership is seeking to acquire U.S. Department of Energy (DOE) funding for EV charging infrastructure and electric vehicles. DOE mandates require that the grantee agency be a member of a Clean Cities Coalition. To strengthen the grant application the Sonoma County Partnership will be collaborating with the Sacramento Municipal Utilities District (SMUD) to establish a standardized EV charging infrastructure. The association with SMUD helps to reinforce our commitment to develop a standardized EV charging infrastructure across Northern California. The District is taking the lead in this application process.

The District has indicated that it will release guidelines and a solicitation for a similar funding opportunity under its Transportation for Clean Air Program (TFCA) in the summer of 2009. The Agency intends to review the TFCA funding opportunity when it becomes available and seeks Board authorization to apply for such funding should it be a viable option.

U.S. Department of Energy (DOE) Clean Cities Grants – Area 4

The federal stimulus package added a new area for grant funding under the DOE's Clean Cities Program. Area 4 has set aside up to \$300 million dollars for alternative fuel and advanced technology projects. The DOE expects to award 20 to 30 grants between \$5 million and \$15 million each. Most regions do not have projects this large, so for the local effort, application for this grant would be a regional collaborative effort. The Cities of San Francisco, Oakland, and San Jose are sponsoring the regional approach along with the District. The District will be the clearinghouse for all District cities and county's that wish to participate and they will submit the final application to the DOE on behalf of all partnership members. The focus of this regional effort is to develop electric vehicle infrastructure and to purchase and deploy electric vehicles throughout the Bay Area. Upon approval of the Board, the Agency will pursue this grant funding through the regional effort.

The Agency is the lead for the Sonoma County Partnership and is compiling the information for all the members and submitting the information for this grant application.

California Energy Commission (CEC) AB 118 Alternative and Renewable Fuels and Vehicle Technology Grant Initiative

Assembly Bill 118 (AB118) created the CEC Alternative and Renewable Fuel and Vehicle Technology Program. The program is intended to increase the use of alternative and renewable fuels and innovative technologies that will transform California's fuel and vehicle types to help attain the state's new climate change goals and the policies established under AB 32. Upon appropriation by the Legislature, AB 118 authorizes the CEC to provide approximately \$120 million annually as incentives to public agencies, vehicle and technology consortia, businesses, public-private partnerships, workforce training partnerships and collaboratives, fleet owners, consumers, recreational boaters, and academic institutions for projects that:

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Background (continued):

- Develop and improve alternative and renewable low-carbon fuels,
- Optimize alternative and renewable fuels for existing and developing engine technologies,
- Produce alternative and renewable low-carbon fuels in California,
- Decrease the overall impact of an alternative and renewable fuel's life-cycle carbon footprint and increase sustainability,
- Expand fueling infrastructure, fueling stations and equipment,
- Improve light, medium, and heavy-duty vehicle technologies,
- Retrofit medium and heavy-duty on-road and non-road vehicle fleets,
- Expand infrastructure connected with existing fleets, public transit, and transportation corridors, and
- Establish workforce training programs, conduct public education and promotion, and create technology centers.

The County is the lead agency on this grant and will apply for funds on behalf of the Sonoma County Partnership. If the grant request is successful, each member agency will receive funds allocated to them separately from CEC and will be required to document their project costs as individual entities.

The Agency proposes submitting grant applications for the purchase of 8 electric vehicles and installation of 8 charging stations at its facilities in Santa Rosa with a grant request of \$300,000 and an in-kind match of \$420,000 for a total project cost of \$720,000. The Agency expects to leverage federal and state funding and budget (2009/2010) the remainder of the in-kind match through its facilities and equipment internal service funds.

A Resolution from the applicant's governing board is required as part of each application.

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