

Item # 6
April 20, 2011
Energy Commission Business Meeting

SACRAMENTO MUNICIPAL UTILITY DISTRICT

Grant Agreement ARV-10-041

for

**Charging Infrastructure for Plug-In Hybrids and Electric
Vehicle Demonstration with Chrysler**

Summary

Sacramento Municipal Utility District (SMUD) is partnering with Chrysler Group, LLC (Chrysler) and a team of local municipalities to demonstrate and test 14 Dodge Ram 1500 plug-in hybrid pick-up trucks in their fleet applications. The project includes the development and installation of vehicle charging structures at the various fleet facilities and supports the integration of SMUD's Advanced Metering Infrastructure (AMI) system to collect data relevant to the impacts on the electrical grid and the time it takes to charge the vehicles.

The \$100,000 being granted by the Energy Commission will go toward the charging infrastructure portion of the project with an equal amount being provided by the Sacramento area partners and the remaining \$200,000 coming from the Federal American Recovery and Reinvestment Program (ARRA). This grant comes from the \$12 million allocated for electric charging stations in the 2008-2010 Investment Plan for the Alternative and Renewable Fuel and Vehicle Technology Program (AB 118).

Benefits

By providing funding for this project, the Energy Commission contributes to the overall cumulative improvements in the State's economy and air quality. The installation of electric charging infrastructure requires the employment of electricians, and numerous positions related to the manufacture and sale of batteries and charging components. The expected annual gasoline displacement at 4,550 gallons per year during the life of this project is in accordance with the goals of helping to transform California's transportation system and attain the state's climate change policy objectives.

Participants

The project participants for this contract include SMUD, a publically-owned utility company that has been supportive of the development of plug-in hybrids since the

1990s. Comprising the PHEV demonstration team are the cities of Sacramento, Citrus Heights, Folsom, Rancho Cordova, Elk Grove, Galt and the Sacramento International Airport. This partnership is well-positioned to support pre-commercialization of alternative fuel vehicles in the Sacramento area.

Implementation Schedule

The electric charging stations will be installed and operational by December 31, 2011