

ATTACHMENT A

Sonoma County
Energy Efficiency and Conservation Block Grant Project List

Category	Project Title	Project Description	Total Project Cost	Funding Request	Minimum Number of Days to Project Contract Award (Assume funding available 7/1/09)	Expected Design or Specs Completion Date	Energy Savings	Comments
ENERGY/WATER	Lighting Retrofit	Install high efficiency lamps and ballasts, adjust existing skylights for improved lighting and other lighting measures at 11 County owned buildings	\$ 658,267	\$ 658,267	31 days - contractor selected, contract form approved (design/build)	complete	167,941 kWh/year	For lighting retrofits in County building not covered by the ESCo project. Creates jobs in the manufacturing sector and for the installation of the equipment.
ENERGY/WATER	Veterans Memorial Buildings water conservation	Removing turf and installing a xeriscape at three County owned Veteran Buildings. New landscaping will require no water for irrigation.	\$ 147,000	\$ 147,000	45 days to design, 90 days to bid, 60 day construction	July-09	1.2 M gallons of water, 2,326 kWh/yr	Veterans Buildings at Santa Rosa, Sonoma, and Cotati have been targeted by the Water Agency for water reductions. Creates jobs in the landscaping businesses and for County Parks personnel.
ENERGY/WATER	Water Heating Retrofit	Replace 4 boilers and 3 large hot water heaters with State Industries high efficiency hot water heaters and boilers. Work will take place at the North County Detention Facility and at Veterans Buildings	\$ 254,733	\$ 254,733	31 days - contractor selected, contract form approved (design/build)	August-09	2,274 kWh/year; 6,880 therms/year	Replaces old boilers with new energy efficient boilers and replaces all hot water heaters with new instantaneous water heaters. Creates jobs in the manufacturing sector and for the installation of the equipment.
RENEWABLE ENERGY GENERATION	Juvenile Justice Center Photovoltaic System	Install 900 kw of solar photovoltaic panels on the roof and in the parking lot of the Juvenile Justice Center.	\$ 6,000,000	\$ 400,000	270 -90 days to hire consultant, 90 days to design, 90 days to bid	November-09	900,000 kWh/yr	This request for funding is for only the funds necessary to make the project energy savings positive from the beginning. The rest of the project can then be financed with a PPA (Power Purchase Agreement) with a solar company. This project will create jobs the manufacturing of the panels, inverters and other electrical equipment as well as for electricians and installers.
LONG TERM SUSTAINABILITY	Code refinements	Update code to facilitate building of alternative energy projects; incorporate new standards for energy & water efficiency, transportation demand management, source reduction & recycling and low-impact development guidelines; and develop local carbon offset program.	\$ 250,000	\$ 100,000	begin 7/09	draft 7/10	TBD	The updated code will encourage renewable energy targeted to provide 67% of countywide energy demand; 30% reduction in projected energy demand from new and existing development; local carbon offset program would enable carbon neutral development by funding projects for retrofits, renewables and alternative transportation as identified in Sonoma County Community Climate Action Plan.
REGIONAL EFFORT	Regional retrofit plan	Develop a Retrofit Plan to guide the systematic and regional installation of energy efficiency retrofit improvements on building stock in both incorporated and unincorporated areas of the County. Implement a "area wide retrofit" pilot project using the retrofit strategies, priorities and matrices that yield and reflect optimum energy and GHG gas reductions.	\$ 390,000	\$ 190,000	60 to 90 days to solicit Consultant. 120 days to finalize work scope and contract.	Oct-09	TBD	The project will facilitate GHG emission reductions adopted by the County and the 9 areas cities as part of the Community Climate Action Plan. It will set the technologies, priorities and matrices that will be employed to retrofit 80% of County non-efficient building stock as identified in the "Efficiency Sector" of the Community Action Plan by year 2015.
REGIONAL EFFORT	Electric Vehicle Charging Stations	Install charging stations at County owned properties to support electric and hybrid vehicles.	\$ 900,000	\$ 150,000	270 -90 days to hire consultant, 90 days to design, 90 days to bid	November-09	TBD	The funding is to install up to 15 charging stations and for use as matching funds for other grants as required.
Totals			\$ 8,600,000	\$ 1,900,000				