



# SEP Idea Library Available Projects

Recipient of Funds	Project Title	Project Description	Total Budget	Min. Amount	Project Type	Status
Lichfield Elem. School District #9	Equipment, Vehicle and School Bus Replacement	Replacement of out-dated, inefficient, high polluting diesel equipment, vehicles and buses.	\$2,014,000	\$5,000	Pollution Reduction	Unfunded
City of Phoenix	Billboard Outreach Program for Woodburning, Dust Control and Ozone Reduction	This SEP Idea intends to create or use existing outreach materials for production into billboard messages to educate the public and change behaviors to reduce air pollution with three message options: 1) Reduce fugitive dust emissions; 2) Reduce recreational open burning in general during the winter season and specifically during the holiday season; and 3) Practice ozone reduction awareness.	\$18,960	\$15,000	Compliance Promotion or Research	Not Available at this time
School of Engineering for Matter, Transportation and Energy, ASU	Improving meteorological modeling for air quality prediction in Phoenix Area	To quantify the dependence of the simulated dispersion processes on meteorological conditions, WRF-Chem model simulations will be performed for Phoenix with identical sources of emission but different synoptic and/or boundary conditions.	\$126,200	\$90,000	Compliance Promotion or Research	Unfunded
Town of Queen Creek	Solar Photovoltaic System at Queen Creek Library	This project proposes the installation of the photovoltaic panels. A preliminary design was completed for a 100kWh, or better, size system. A public outreach and education component will also be included.	\$500,000	\$250,000	Pollution Prevention	Unfunded
School of Engineering for Matter, Transportation and Energy, ASU	Commercial cooking emissions and their control	Investigators will determine the costs and benefits of reducing particulate emissions that would be forthcoming from three hypothetical control programs of commercial cooking – light, moderate, and extensive.	\$10,750	\$10,750	Compliance Promotion or Research	Unfunded
Dept. of Civil, Env. & Sustainable Engineering, ASU	SOIL STABILIZATION & DUST CONTROL USING SALINE WASTE	Conduct research to analyze the feasibility of utilizing a salt waste as an economical and environmentally responsible means of dust control and/or soil stabilization. With a positive determination of feasibility, the longer term goal of creating the technology and associated products for the saline waste usage will be researched and developed.	\$68,995	\$68,995	Pollution Reduction	Unfunded



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Dept. of Civil, Env. & Sustainable Engineering, ASU	TRAPPING OF PARTICULATE MATTER BY DIFFERENT TYPES OF PAVEMENTS	Conduct research proposed regarding the capacity of different kinds of pervious pavements to retain particulates. Concentrations of selected classes of pollutants (heavy metals, polycyclic aromatic hydrocarbons, fuel additives (such as MTBE) associated with trapped particles) will be determined. The relations of size distribution of particles trapped and pollutant concentrations with physical characteristics of different types of pavements will be considered.	\$156,619	\$156,619	Pollution Reduction	Unfunded
Dept. of Human & Environmental Systems, ASU	Rapid Response and Community Education to Prevent PM-2.5 Emissions	Enhance the existing pollution prevention Rapid Response Notification System, and Clean Air Make More.com by identifying specific population groups and messaging sources used by the affected population groups in order to increase the likelihood of prevention of PM-2.5 emissions during high air pollution advisories.	\$86,402	\$86,402	Pollution Prevention	Unfunded