

Statement of Work/Objectives

Project Title: CaliSolar, Inc. Manufacturing Capacity Expansion from 60MW to 155MW

Project Address: 985 Almanor Avenue
Sunnyvale, CA 94085

Solicitation Number: DE-FOA-0000052

CaliSolar, Inc. will be using \$5,000,000.00 of federal ARRA-SEP funds awarded from the California Energy Commission to purchase the following equipment:

- Two Casting Tools
- One Bandsaw
- One Grinder
- One Diamond Wire Saw
- One Slurry Wire Saw
- Diamond Wire Upgrades

The \$5,000,000.00 in funding is part of a larger \$20,716,002 project, with the remainder paid for with leverage funding by other sources, to expand a solar photovoltaic module plant from an annual capacity of 60 MW to 155 MW. According to the City of Sunnyvale Planning Department, the manufacturing plant is permitted by right. CaliSolar, Inc. will not be expanding the building footprint but will be excavating and re-pouring concrete as necessary.

The project will require modified Air and Water Quality permits as well as a modified Hazardous Materials Use/Storage permit and miscellaneous architectural, plumbing, mechanical, and electrical permits. Several permits have already been filed with the city of Sunnyvale and the remainder will be filed by the end of November 2010.

The project will increase NO_x emissions; however, the emissions will be abated by a scrubbing system. In addition, the project will produce an estimated 120,000 gallons of liquid effluent per day which will go through a treatment system. Finally, the project will produce an estimated 6,500 pounds of hazardous wastes a month. CaliSolar is already listed as a Large Quantity generator with U.S. Environmental Protection Agency and the California Department of Toxic Substances Control.