

The U.S. Department of Energy (DOE) is proposing to provide \$5,415,177 in federal funding to Solar Junction to perform equipment installation and building retrofits for a solar wafer manufacturing facility.

Solar Junction would utilize their existing facility, 401 Charcot Avenue, San Jose, California 95131 and would lease another existing building, located at 1170 Sonora Ct., Sunnyvale, California 94086. The Sunnyvale location has previously functioned as a fabrication operation using similar materials. Solar Junction would renovate 15,000 interior sq. ft. at the Sunnyvale location to construct office space and the wafer production line.

The San Jose facility is approximately 55,600 sq. ft. and is located in an existing industrial park. Task 1, epitaxial process transfer to IQE, would be performed at the San Jose location.

The majority of the project, manufacturing of 150 mm substrates, would occur at the Sunnyvale facility, which is located in an existing industrial park. The site was previously used for fabrication of semiconductor optical devices by another company. The building was constructed in 1999. Solar Junction would change the existing electrical, mechanical and plumbing systems to accommodate the installation of wafer processing equipment. The office area would also be reorganized. There would not be any additional square footage added to the facility or significant external site work.

Solar Junction will comply with standard safety procedures and will adhere to the protocols for laboratory safety, risk management, chemical handling and waste disposal. Chemicals will be used in a controlled laboratory setting executed by trained personnel and supervised by a trained professional.

Solar Junction will acquire the following permits for the proposed project: Occupancy, Waste Water Discharge, On-site Hazardous Waste Treatment, Bay Area Air Quality Management District (BAAQMD) Source, BAAQMD permit to construct (add new sources), Hazardous Materials Business Plan, Hazardous Waste Generator, Hazardous Materials Storage, Compressor Operation, Aboveground Storage Tank, On-site Treatment Financial Assurance, and National Pollutant Discharge Elimination System storm water permit.

Based on review of the project information and the above analysis, DOE has determined the installation of the proposed equipment would not have a significant impact on human health and/or environment. DOE has determined the proposed project is consistent with the actions contained in A9 "Information gathering, analysis, and dissemination," B1.31 "Installation or relocation of machinery and equipment," B3.6 "Small-scale research and development, laboratory operations, and pilot projects," and B5.1 "Actions to conserve energy or water," and is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

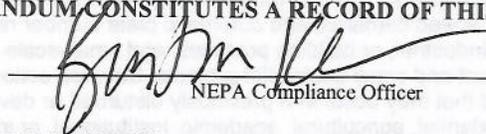
Note to Specialist :

Diana Scott 6.21.2012

DOE Funding = \$5,415,177
Cost Share = \$16,245,534
Total Project Cost = \$21,660,711

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:


NEPA Compliance Officer

Date: 6/21/2012

FIELD OFFICE MANAGER DETERMINATION

Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

- Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.