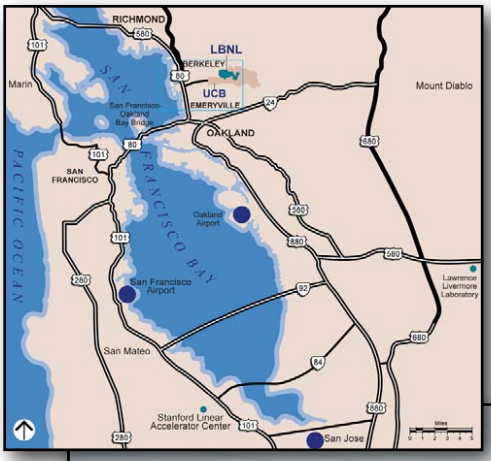
REGION	COUNTY	HELIOS ENERGY RESEARCH FACILITY EIR	CLASSIFICATION
NORTHERN	ALAMEDA		CEQA, AQ IN IS

AQ = Air Quality • BIO = Biological Studies • CEQA = California Environmental Quality Act • NEPA = National Environmental Policy Act • NS = Noise Studies • WSA = Water Supply Assessment

C Commercial E Educational IN Industrial IS Institutional M Mixed Use R Residential



Impact Sciences is preparing the EIR for the proposed Helios Energy Research Facility project for the Lawrence Berkeley National Laboratory in Berkeley, CA. The proposed project would construct a new research laboratory on the Berkeley Lab hillside. A new access road between the project site and Centennial Drive would be built as part of the project. The proposed facility would accommodate two research programs focused on alternative and renewable energy sources: (1) the Helios research program, a collaborative effort between LBNL and UC Berkeley that would conduct research to develop new carbon-neutral transportation fuels derived from plants and other photosynthetic organisms, or from an electrochemical transformation of water and carbon dioxide and (2) the Energy Biosciences Institute (EBI), which is a grant-funded program through British Petroleum (BP) that would conduct research with BP partners LBNL, UC Berkeley, and the University of Illinois, Urbana-Champaign, focused primarily on renewable biofuels for transportation and conversion of heavy hydrocarbons to clean fuels.

Consistent with the UC Policy on Sustainable Practices, the Helios project would implement design measures that would exceed current energy efficiency standards. Such measures include building heating and cooling equipment, solar orientation of the building, solar panels and solar film integrated into window louvers, green roofs, and use of drought-tolerant low water use landscaping. Major environmental issues include impacts on visual resources; biological resources; geology and soils; hydrology and water quality; and traffic.

Client: Lawrence Berkeley National Laboratory

Lead Agency: Lawrence Berkeley National Laboratory

Contact: Jeff Philliber

Project Manager: Shabnam Barati

Project Period of Performance: June 2007 – Ongoing

Contract Value: $264,000