Print From

# Summary Form for Electronic Document Submittal

**Form F**

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: _____

Project Title: Lancaster Clean Energy Center (Conditional Use Permit No. 23-019

Lead Agency: City of Lancaster

Contact Name: Jocelyn Swain

Email: jswain@cityoflancasterca.gov Phone Number: 661-723-6100

Project Location: Lancaster, Los Angeles County
*City* *County*

Project Description (Proposed actions, location, and/or consequences).

The applicant (Element New Energy Lancaster 1, LLC) proposes to construct and operate the Lancaster Clean Energy Center, a green hydrogen production plant powered by photovoltaic (PV) solar. This facility is self-sufficient, integrated and off-grid and consists of a 650 megawatt PV solar generating facility; 330 MWh battery long duration energy storage system; and a green hydrogen production plant incorporating 400 MWe of electrolyzers, liquefied hydrogen storage in up to two horizontal cylindrical tanks with a capacity of 30 metric tons each, and up to three 100 mt spherical liquefied hydrogen tanks. Onsite gaseous hydrogen storage consists of approximately 30 metric tons in a linear surface pipe storage arrangement. All hydrogen production would be located along 70th Street East
Access to the hydrogen production plant would be from driveway(s) on 70th Street East, north of Avenue K. Access to the solar fields would be provided from several driveways from Avenue K and potentially from 40th Street East, Avenue K-8, and 50th Street East depending upon the solar array arrangements and Fire Department requirements.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

Agricultural Resources - mitigation measures requiring 1:1 replacement of prime agricultural land
Air Quality - mitigation measures to minimize air emissions from construction and for Valley Fever
Biological Resources - nesting bird and burrowing owl surveys
Cultural Resources - mitigation measures for the proper handling of previously unknown cultural resources
Geology and Soils - mitigation measures for dust control and solar field registration
Hazards/Hazardous Materials - mitigation measures for the proper handling of hazardous materials and operation of the hydrogen facility
Noise - construction best management practices and operational noise study

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

Concern previously raised regarding proximity of hydrogen fuel production near residential uses.

Provide a list of the responsible or trustee agencies for the project.

- California Department of Fish and Wildlife (CDFW)
- Lahontan Regional Water Quality Control District (RWQCB)
- Antelope Valley Air Quality Management District (AVAQMD)
- Los Angeles County Fire Department/CUPA
- California Energy Commission