



CALIFORNIA STATE UNIVERSITY, LOS ANGELES

COLLEGE OF ENGINEERING, COMPUTER SCIENCE, AND TECHNOLOGY

Department of Technology

Dear STARS program:

This letter is to present for the first time the Cal State LA Hydrogen Research and Fueling Facility for an “Innovation” credit under the STARS program. The Cal State LA Hydrogen Research and Fueling Facility was formally opened on May 7, 2014. The station is capable of producing hydrogen onsite from renewable energy sources and is currently the largest of its kind on any US campus. On January 8, 2015 the Cal State L.A. Hydrogen Research and Fueling Facility became the first station in the nation approved to sell hydrogen fuel by the kilogram to the public, a milestone in the commercialization of hydrogen in preparation for the next generation of fuel cell electric vehicles.

Cal State LA's hydrogen station was funded by CARB, SCAQMD, DOE, MSRC, AAA and others. Research at the hydrogen station is funded by the Dept. of Energy and presented annually at the DOE Merit Review. Maintenance and operations funding is provided by CEC. Cal State LA is also a member of the prestigious California Fuel Cell Partnership.

The station is one of the few stations among the 50-plus that are currently funded that is 100% renewable. It also has a social impact for our region and number of visitors (85% students) that come from neighboring communities. In the near future, it will enable Cal State LA to have two hydrogen shuttles transporting students potentially to the downtown campus (funded by CA Energy Commission).

In 2015, CHESC recognized the station with the Best Practice award for Sustainable Transportation. In Winter 2016, students in a Fuel Cell Applications course participated in the 2016 Hydrogen Student Design Contest: Development of a Hydrogen Powered Microgrid for Grid Services and Back-up. The students utilized the hydrogen facility as an important component in the project and expect to hear results in June 2016.

This innovative hydrogen station greatly exceeds the highest criterion of an existing STARS credit, and the institution has not previously received a STARS innovation credit for this specific program. We truly believe that the Cal State LA Hydrogen Research and Fueling Facility should be recognized with the “Innovation” credit under the STARS program.

Sincerely yours,

A handwritten signature in cursive script that reads "David Blekhman".

David Blekhman, PhD
Professor of Technology, Power, Energy and Transportation
Hydrogen Research and Fueling Facility Technical Director