



**COMMITTEE FOR PROTECTION OF HUMAN SUBJECTS  
OFFICE FOR THE PROTECTION OF HUMAN SUBJECTS**

University of California, Berkeley  
2150 Shattuck Avenue, Suite 313  
Berkeley, CA 94704 -5940

**(510) 642-7461**

Fax: (510) 643-6272

Website: <http://cphs.berkeley.edu>

FWA#00006252

## NOTICE OF APPROVAL FOR HUMAN RESEARCH

**DATE:** *July 18, 2016*  
**TO:** *David CULLER, EECS/Cmptr Sci*  
*Mogeng Yin, Civ Engr/CEE Transportation, KALYANARAMAN SHANKARI*  
**CPHS PROTOCOL NUMBER:** *2014-04-6267*  
**CPHS PROTOCOL TITLE:** *E-Mission: Data driven carbon emission reduction*  
**FUNDING SOURCE(S):** *Funding Type#*

A(n) *amendment* application was submitted for the above-referenced protocol. The Committee for Protection of Human Subjects (CPHS) has reviewed and approved the application on an expedited basis, under Category 7 of the federal regulations.

Effective Date: *July 14, 2016*

Expiration Date: *June 21, 2017*

**Continuation/Renewal:** Applications for continuation review should be submitted no later than 6 weeks prior to the expiration date of the current approval. *Note: It is the responsibility of the Principal Investigator to submit for renewed approval in a timely manner. If approval expires, all research activity (including data analysis) must cease until re-approval from CPHS has been received.* See [Renew \(Continue\) an Approved Protocol](#).

**Amendments/Modifications:** Any change in the design, conduct, or key personnel of this research must be approved by the CPHS **prior** to implementation. For more information, see [Amend/Modify an Approved Protocol](#).

**Ten-year approvals:** Minimal risk, non-federally funded protocols that are not subject to federal oversight may now be given a ten-year approval period. Please see [Ten Year Approvals](#) for information about which protocols can qualify for ten-year approvals.

The addition of federal funding or certain modifications that increase the level of risk may require a continuing review form to be submitted and approved in order for the protocol to continue. If one or more of the following changes occur, a Continuing Review application must be submitted and approved in order for the protocol to continue.

- Changes in study procedures that increase risk;
- Addition of federal funds.

**Unanticipated Problems and Adverse Events:** If any study subject experiences an unanticipated problem involving risks to subjects or others, and/or a serious adverse event, the CPHS must be informed **promptly**. For more information on definitions and reporting requirements related to this topic, see [Adverse Event and Unanticipated Problem Reporting](#).

This approval is issued under University of California, Berkeley Federalwide Assurance #00006252.

If you have any questions about this matter, please contact the OPHS staff at 642-7461 or email [ophs@berkeley.edu](mailto:ophs@berkeley.edu).

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Sincerely,

William J JAGUST

Committee for Protection of Human Subjects