

POLICY FACT SHEET: California Sustainability Research Project

Part I: Research Hub & Gaps Analysis Report

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Introduction

The **California Center for Sustainable Communities at UCLA** created the **California Sustainability Research Project** to increase access to California's funded sustainable communities research and identify future areas of research needed to meet the State's environmental goals.

The CCSC at UCLA collected and analyzed over 800 reports funded by the **California Energy Commission (CEC)**, the **California Air Resources Board (CARB)**, and the **California Department of Transportation (Caltrans)**.

The **California Sustainability Research Project** has four components:

- An interactive CA Sustainability Research Hub website
- A report on Gaps in research on sustainability related issues
- A Synthesis Report of existing sustainable communities research findings, and
- Two additional research reports contributing knowledge to the State's environmental goals and policies



Project Overview

This project compiles sustainable communities research from CARB, Caltrans, and the CEC from 2000-2013 into a website database that is searchable by keywords. It also identifies the sustainability research in terms of overarching themes and gaps in existing knowledge.

Project Intended Audience

Local, regional, and state stakeholders, policy-makers, researchers, funding agencies

Key Project Components

- **CA Sustainability Research Hub** – A website that allows users to search a database of over 800 State-funded sustainable community research reports
- **Gaps Analysis Report** – A report identifying existing sustainable communities research and the gaps in existing knowledge
- **Synthesis report** – existing sustainable communities research findings. Report anticipated in Late Spring 2014
- **Additional reports** – Two reports contributing knowledge to the State's environmental goals and policies. Reports anticipated in Winter 2013

CA Sustainability Research Hub

The **CA Sustainability Research Hub** website (hub.sustainablecommunities.environment.ucla.edu) allows navigation through State-funded sustainable communities research that has been conducted since 2000. Over 800 reports on the CA Sustainability Research Hub can be accessed by report title, key word, author, year, funding agency, the sustainability research topic, or any combination of these categories.

In addition to the search function, CCSC at UCLA has also created a brief summary of each report that is displayed in the results section. This enables users to further decide the relevance of a report to their search.

CCSC
HOME CRITICAL ANALYSIS SEARCH THE HUB HELPFUL TIPS CONTACT US BACK TO CCSC'S WEBSITE

California Center for Sustainable Communities at UCLA

RESET SEARCH

SEARCH SUSTAINABLE COMMUNITIES RESEARCH

Report Title: []
Key Word: Energy
Author: []
From (year): 2000
through (year): 2003

Funding Agency:
 CARB
 CEC
 Caltrans

Sustainability Topics:
 Agriculture and Food
 Building and Housing
 Energy
 Environmental Justice and Health
 Land Use Planning
 Material and Waste Flows
 Natural Resources and Ecosystem Services
 Transportation
 Water

Search

Search results for "Key Word contains "Energy" and From (year) more than "2000" and through (year) at most "2003"

AIR POLLUTANT EXPOSURE ASSOCIATED WITH DISTRIBUTED ELECTRICITY GENERATION.
POSTED IN SUSTAINABILITY RESEARCH TOPICS: Energy, Environmental Justice and Health, Land Use Planning, Material and Waste Flows
Compares and explains the risk of pollutant emissions from distributed generation as opposed to central power stations on the basis of: 1) proximity 2) intake fraction and 3) inhalation risk.
FUNDING AGENCY: CARB
YEAR PUBLISHED: 2003
AUTHOR NAME(S): Nazarov W., Heath G., Heats A.
AGENCY WEBSITE LINK: Air pollutant exposure associated with distributed electricity generation. You will be redirected to the agency's website. To access the report, you will need to find this title in the list of reports.

CUSTOMIZATION OF THE EPRI ARTIFICIAL NEURAL NETWORK SHORT-TERM LOAD FORECASTER (ANNSTLF) AND USER SUPPORT FOR THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR (CALIFORNIA ISO)
POSTED IN SUSTAINABILITY RESEARCH TOPICS: Energy
This project proposes the Artificial Neural Network Short Term Load Forecaster (ANNSTLF) as a solution for accurate predictions of hourly loads that are supplied by California's power markets.

Gaps Analysis Report Findings

The **Gaps Analysis Report** provides a detailed description of further research that is needed for state agencies and policy-makers to better advance sustainability goals set out by California.

The report identifies three specific fields of research that need more careful research (gaps in existing research): housing (including zero net energy homes), transportation and energy systems management, and institutional structure. The report will be available on the CA Sustainability Research Hub website.

Project Specifics

Contractor: UCLA's Institute of the Environment & Sustainability
Application: Statewide
Contract Number: 500-11-012



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CA Sustainability Research Project Team

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CCSC at UCLA Website

Californiasustainablecommunities.com

Sustainability Research Hub Website

hub.sustainablecommunities.environment.ucla.edu