Overview

• Los Angeles County Department of Public Health’s (DPH) climate change work
  – Involvement with LARC
• LARC’s Framework for Regional Climate Action and Sustainability
Climate Change in Los Angeles means

- Higher average temperatures
  - More extreme heat days (over 95°F)
- Worse air quality
- More acres burned by wildfires
- Greater incidence of vector-borne diseases
Five Point Plan to Reduce the Health Impacts of Climate Change

**Inform**
...and engage the general public about the nature of climate change and the health co-benefits associated with taking action to reduce carbon emissions.

**Promote**
...local planning, land use, transportation, water, and energy policies that reduce carbon emissions and support the design of healthy and sustainable communities.

**Provide**
...guidance on climate preparedness to local government and community partners to reduce health risks and create more resilient communities.

**Build**
...the capacity of Departmental staff and programs to monitor health impacts, integrate climate preparedness, and improve climate response.

**Adopt**
...best management practices to reduce carbon emissions associated with Departmental facilities and internal operations.
Climate Change & Public Health in Los Angeles

Climate change is a health issue.
But what we do about it can bring an even brighter future. A Los Angeles with clean air, healthy food, less traffic, and safe opportunities to walk and bike. Explore this page to find out more about our efforts.

CLIMATE NEWS

Number of hot days to soar in L.A.
See the full article >>

Southern California leaders to fight climate change's effects on health
See the full article >>

Climate change poses a severe risk to global health, says new report
See the full article >>

LA COUNTY PUBLIC HEALTH IN ACTION

Our Plan

Tips

Public Health is working around the County to protect residents from the effects of climate change, including extreme heat, worse air quality, wildfires, and mosquito-borne diseases. Read on for more detail on Public Health’s proactive work:

> Interested in having someone speak to your community group about climate change? Request a presentation or find PowerPoint presentations developed by Public Health to explain the health impacts of climate change.

> In August 2014, Public Health convened a new County-wide committee focused on climate change mitigation and adaptation. The Climate Committee is focusing its initial efforts on reducing the impacts of the urban heat island in Los Angeles. Contact ehmain@ph.lacounty.gov for more information.

> In 2016, Public Health developed a comprehensive workshop series to transform our workforce into climate change ambassadors. Interested in adapting the workshop series for your own staff? Find recorded presentations, slides, and guides to brainstorming activities.

For more information on the Los Angeles County Department of Public Health's climate change work, contact ehmain@ph.lacounty.gov
Climate & Health Workshop Series

• Content:
  – Lecture, < 20 minutes
  – Brainstorming session

• Original run (2013-2014)
  – 16 sessions
  – Invited staff only

• Second run (2014-2015)
  – 5 core sessions
  – All DPH staff invited
1. Introduction to how climate change is projected to impact health globally and locally
2. Vulnerable populations and co-benefits of climate change adaptation
3. How to apply adaptive management in the context of climate action planning
4. Ten things every public health professional should know about climate change
5. How to communicate climate change-related risks to critical stakeholders
LA CLIMATE AND HEALTH WORKSHOPS

The LA Climate & Health Workshop Series is one of the activities that the Los Angeles County Department of Public Health is using to build healthier communities in Los Angeles that are more resilient to the impacts of climate change.

The workshop series was developed in collaboration with the University of California, Los Angeles Fielding School of Public Health. Dr. Hilary Godwin and her doctoral students designed lectures and brainstorming sessions to meet the needs of the Department of Public Health.

Each workshop features:

- A lecture that is 20 minutes or less.
- An interactive brainstorming that is planned to last 40 minutes. The brainstorming sessions allow staff to engage with material and generate ideas that inform the Department of Public Health’s climate action planning.

Workshop materials are provided here as a template for other public health departments to modify to train their own staff. We ask that you give appropriate credit to the team that developed the series. Below you’ll find recordings of the seminars, PDF copies of the presentation slides, and instructions for conducting the brainstorming sessions.

**Workshop 1: 10 Things Every Public Health Professional Should Know About Climate Change**

This seminar presents the science behind climate change, with a particular focus on correcting widely-held
Leadership

• Climate Committee
  – Formed 2014
  – Participants include County Departments of Beaches & Harbors, Fire, Internal Services, Parks & Recreation, Public Works, Regional Planning
  – Working on urban heat island reduction plan
LA area has highest urban heat island effect in California

Downtown Los Angeles. DAVID MCNEW/GETTY IMAGES
Urban Heat Island Effect in LA

Source: California Department of Public Health and the Public Health Institute

Impervious Surface (%)
- <7
- 8 - 18
- 19 - 31
- 32 - 43
- 44 - 54
- 55 - 63
- 64 - 72
- 73 - 81
- 82 - 91
- >91
- County

Source: U.S. Geological Survey
Urban Heat Island Reduction Plan

• Benefits
  – Save lives
  – Lower energy costs
  – More comfortable to exercise and play outside
  – Improved air quality

• Components
  – Tree planting and maintenance
  – Cool roofs
  – Cool and permeable pavements
Participation in LARC

- Connections with other agencies, non-profits, and researchers in the region
- Access to best science
- Awareness of new and ongoing projects region-wide
- Participation in regional goal-setting, such as with the Framework
What do we do?

Cultivate partnerships to connect climate research & policy

Our members are:

- NGOs
- Government
- Academia
- Community Groups
- Business Community
- Students
Our current members:
Events, Projects, & Initiatives

3rd Month Forums

The 3rd Month Forum is a public event series held quarterly to explore climate action efforts in the Los Angeles region.

LA's Climate Future

Dr. Nell's climate modeling is used to understand the forces shaping climate at the Los Angeles regional scale.

From UCLA's LARC Study, 2012


LAC Community Greenhouse Gas (GHG) Inventory

In partnership with Los Angeles County Integrated Cargo Boarder Office of Sustainability, this year, data collected from community data inventories for every sector for which emissions data is available is aggregated into a single report. This report tracks critical climate action planning work that must occur throughout the region to comply with the regulations set forth in AB 32.

AdaptLA: Sea Level Rise Vulnerability Studies

In development: develop a comprehensive shoreline change and coastal erosion model for the Los Angeles region.

CCSC LA Energy Atlas

A flexible and responsive research platform

- Data collected from utilities, county assessor, building energy data, weather models, etc.
- Shows building energy consumption form 2006-2011 in LA County
- Provides building energy profiles for cities & neighborhoods
- Enables data downloading & interactivity

Useful for the State of CA, agencies, local government, utilities, and researchers.

CCSC LA Energy Atlas

Provides knowledge, data, and tools to improve decisions making related to energy and GHG reductions.
The 3rd Month Forum is a public event series held quarterly to explore climate action efforts in the Los Angeles region.
In partnership with Los Angeles County Internal Services Division Office of Sustainability, recently released 2010 community GHG inventories for every city in LA County. These data serve as a baseline and starting point for critical climate action planning work that must occur throughout the region to comply with the mandates set forth in AB 32.
Dr. Hall's climate modeling is used to understand the forces shaping climate at the Los Angeles regional scale.
From UCLA's LARC Study, 2012

Current and projected temperature extremes for Los Angeles
Average annual days exceeding 95 degrees F

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<th>Location</th>
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<th>2041-2060 ensemble projection</th>
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</table>

Source: UCLA LARC study, 2012; chart based on the mean/average projected by the 18 climate models.
AdaptLA: Sea Level Rise Vulnerability Studies

In development: develop a comprehensive shoreline change and coastal erosion model for the Los Angeles region.
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Useful for the State of CA, agencies, local government, utilities, and researchers
A Greater LA: The Framework for Climate Action & Sustainability

**WHAT**
A practical and place-based resource to support effective climate action planning

**WHY**
To minimize the burden of mandates, while maximizing the effectiveness of action

**WHO**
By practitioners for practitioners

With the help of the Strategic Growth Grant...
The Framework will include:

State of the Region
Priorities and Actions
Tools & Trainings
Implementation Strategies
& Best Practices Compendium
So why collaborate?

Because conversations matter.
Thank you.

LARC
Los Angeles Regional Collaborative for Climate Action and Sustainability

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