Public Health and Air Quality: An ‘Our County’ Workshop

October 3, 2018
Stakeholder Process and Today’s Agenda
Stakeholder Engagement
Equity Statement

Goal
Reduce disparities across geographies due to race, class, gender, and other social differences

Strategy
Commit resources to include those often left out of policy and planning discussions

Indicators

<table>
<thead>
<tr>
<th>Distributional</th>
<th>Actions that repair current and historical imbalances</th>
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</thead>
<tbody>
<tr>
<td>Procedural</td>
<td>Participatory decisionmaking with vulnerable communities</td>
</tr>
<tr>
<td>Transformational</td>
<td>Strategies securing future benefits for at-risk populations</td>
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</tbody>
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Stakeholder Engagement Plan

- UCLA: Environmental Nonprofits, Public Sector, Private Sector
- Liberty Hill Foundation: Equity-Focused Nonprofits
- Estolano LeSar Advisors: Public Sector, Private Sector
- County of Los Angeles: Internal Stakeholders

- Nonprofit Sector
- Public Sector
- Private Sector
Stakeholder Engagement Timeline

- **Prepare Stakeholder Engagement Plan**
  - **Preparation**: Spring 2018
  - **Activities**: Nonprofit, Public, and Private Sector Workshops

- **Prepare Discussion Draft**
  - **Activities**: Sustainability Summits
  - **Summary Report**
  - **Plan Finalization**: Summer 2019

- **LEARN**
  - **Period**: Summer-Fall 2018

- **CREATE**
  - **Period**: Winter 2018-Spring 2019
Today’s Team Leaders

Stakeholder Engagement
- UCLA: Laurel Hunt & Ari Simon
- Liberty Hill: Michele Prichard, Ben Russak & Chuy Flores
- Estolano LeSar Advisors: Cynthia Guzman

Data & Analysis and Topic Teams
- UCLA: Harjot Kaur
- BuroHappold: Chris Rhie
- Raimi + Associates: Monica Guerra
- GNA: Cliff Gladstein
Today’s Agenda

9:10  Welcome
   • Welcome (Laurel Hunt & Ari Simon, UCLA)
   • CARB Welcome (Hector De La Torre)
   • Introduction to Our County (Gary Gero, LA County Chief Sustainability Officer)
   • Public Health Overview (Monica Guerra, Raimi + Associates)
   • Nonprofit Workshop Summary (Michele Prichard, Liberty Hill Foundation)

9:45  Breakout #1: Goals

10:30 Break

10:40 Breakout #2: Strategies

12:05 Breakout #3: Cross-sector Collaboration

12:20 Closing Remarks
   • Kristen Torres Pawling, LA County Chief Sustainability Office

12:30 Survey and Adjournment
Hector De La Torre
California Air Resources Board
The Team
Consultant Team

BuroHappold Engineering

UCLA

Topic and data collection and analysis leadership and stakeholder engagement co-leadership

STUDIO-MLA

Topic expert: open space

Liberty Hill

Stakeholder engagement co-leadership

Estolano LeSar Advisors

Topic expert: housing, economy & workforce development

raimi+associates

Topic expert: health and wellbeing

Fehr+Peers

Topic expert: transportation

Gladstein, Neandross & Associates

Topic expert: air quality

GLOBAL GREEN USA

Advisors
The Chief Sustainability Office provides comprehensive and coordinated policy support and guidance for the Board of Supervisors, County departments, the unincorporated areas, and the region to make our communities healthier, more liveable, economically stronger, more equitable, more resilient, and more sustainable.
The Plan
The County’s Aims

The plan should be:

• Aspirational, Comprehensive, Long-Term, Regional, Actionable

The task:

• Develop a comprehensive framework for County and City sustainability initiatives
• Serve as template for local cities when preparing sustainability/climate action plans
• Prepare the region to be competitive for funding
The County’s Sphere of Influence

- Direct Control
  - County operations
  - Unincorporated areas

- Influence
  - Regional Agencies

- Support
  - State Policy and Programs
Countywide Sustainability Plan Framework

- Water
- Energy
- Climate
- Air Quality
- Land Use and Transportation
- Open Space, Recreation and Habitat/Biodiversity
- Resource Recovery and Waste Management
- Public Health and Well-Being
- Economy and Workforce Development
- Housing

Equity & Resilience woven throughout
Key Terms

**Vision**
A core value or values at the heart of the plan - the “why”

**Goals**
Broad, aspirational statement of what we want to achieve

**Strategies**
Approach or approaches that we take to achieve a goal (strategies may support multiple goals)

**Actions**
Specific policy, program, or tool we take to achieve a strategy

**Indicators**
Quantitative measures used to assess performance on a regular basis

**Targets**
Levels of performance that are sustainable
Key Terms

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Today’s Focus
LA County Public Health Overview
Key Findings

- Significant **racial and ethnic disparities** in health outcomes and determinants of health
- **Spatial inequalities** in health
- **Social determinants of health** influence health and wellbeing
- **Climate change** will be a risk amplifier

Source: LA County DPH
Health Outcomes

Average life expectancy:

82.1 years

Highest life expectancy:

Malibu, Westwood, Bel-Air

Lowest life expectancy:

Lancaster, Lake Los Angeles, Sun Village

Source: A Portrait of Los Angeles County.
LIFE EXPECTANCY AT BIRTH (YEARS)

Native Hawaiian & Other Pacific Islander 75.4
Native American 76.9
LA COUNTY 82.1
Latino 84.4
Asian 87.3
White 80.9
Black 75.6

Source: A Portrait of Los Angeles County. Measure of America of the Social Science Research Council.
Health and Wellbeing

Defined by:

- Physical health
- Social, mental, and emotional health
- Economic wellbeing

Source: LA County DPH
Social Determinants of Health

Source: A Portrait of Los Angeles County, Measure of America of the Social Science Research Council.
Healthy Places

Los Angeles County ranks #23 in health outcomes, based on how long people live and how healthy people while alive. In terms of physical environment, the County ranks #57.
Park Access

African Americans (56%) and Latinos (50%) are more likely to reside in communities with less park space per capita compared to Whites (27%) and Asians (36%).

Source: Healthy Places Index
Pollution Burden

4,372,397 residents of Los Angeles County live in a disadvantaged community.

1 in 3 Latino and Black residents live in the most highly-impacted communities statewide.

Source: OEHHA, CalEnviroScreen 3.0
Air Quality: Ozone Trends

- L.A. County has a high proportion of toxic emissions from the energy sector.
- Ozone trends are consistently above the 8-hour standard for ozone; it varies geographically.
- There have been major improvements in light-duty motor vehicles; heavy-duty vehicles have not seen the same kinds of improvements.

South Coast Air Basin Ozone Trends (2000-2016)

Days Exceeding 2015 Federal 8-hour Standard for Ozone
Maximum Recorded 8-hour Ozone Concentration*
Federal 8-hour Standard for Ozone

*Exceedance Days


In the South Coast Basin, PM 2.5 shows a downward trend, but exposure to particulate matters varies geographically.

Finer particles, such as PM2.5, can affect a person’s lungs and heart, causing cardiovascular illnesses such as cardiac arrhythmias and heart attacks, and respiratory effects such as asthma attacks and bronchitis.
Climate Change and Health

Source: U.S. Global Change Research Program, Climate and Health Assessment
Extreme Heat Days

Change in Extreme Heat Days

Average Across LA County

Source: Fengpeng S, et al., UCLA
Draft Goals for Discussion

A. Eliminate racial disparities in health outcomes by supporting policies that advance equity.

B. Improve collection, accessibility, and evaluation of public health data by adopting a racial equity lens.

C. Improve community communication by developing a place-based climate change education partnership.

D. Build a County that supports inclusion, health and wellbeing for all residents.

E. Enhance health equity by addressing racial equity and environmental pollution.

F. Accelerate the transition to sustainable alternatives to fossil fuel for transportation, manufacturing, and energy production.

G. Improve access to educational and employment opportunities.
Nonprofit Workshop Feedback
Nonprofit Water Workshop
June 28, 2018 – The California Endowment
Nonprofit Energy Workshop
July 13, 2018 - LATTC

Morning Small Group Discussions on Cross-cutting Issues

Afternoon Breakouts on Environment, Health, Economy, & Equity
Nonprofit Transportation Workshop
July 27, 2018 - LATTC

“Dot Democracy” Activity
Case Studies
LA County Case Studies

- Los Angeles County Food Redistribution Initiative (LACFRI)
- Green Zones
- Center for Health Equity
- Vision Zero
- Life is Better with Trees
For California Clean Air Day, join your fellow Californians to clear the air by making your clean air pledge at cleanairday.org