



Date: May 11, 2018

To: Patrick H. West, City Manager *T.M.L.*

From: Linda F. Tatum, Director of Development Services *LT*

For: Mayor and Members of the City Council

Subject: **Climate Action and Adaptation Plan (CAAP) Update and Public Open House**

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In 2015, Mayor Robert Garcia signed the Compact of Mayors (now the Global Covenant of Mayors) signaling the City of Long Beach's support for an array of efforts to reduce our carbon footprint and prepare for the impacts of climate change. In December 2016, the City Council awarded a contract appropriating funds to develop the City's first ever Climate Action and Adaptation Plan (CAAP). In March 2017, the firm Architecture, Engineering, Consulting, Operations, and Maintenance (AECOM) was hired to provide technical support for development of the CAAP. After completing scheduled tasks, including development of a draft community engagement plan, facilitating working group meetings, initiating the Greenhouse Gas (GHG) inventory, and writing a draft vulnerability assessment, it became clear that additional work was needed to develop a robust and actionable CAAP. In March 2018, a contract amendment was approved to expand the scope of work to include additional outreach activities, further examine the draft vulnerability assessment, and to add economic analysis tasks related to the CAAP. This memorandum provides an update on the CAAP project.

## **Background**

A CAAP addresses two related issues. The first is climate action, which focuses on reducing future emissions of GHG in the City. The second is climate adaptation, which focuses on preparing the community for the impacts of climate change in response to climate issues like rising sea levels, more extreme heat waves, and worsening air quality. According to research compiled by the UCLA Fielding School of Public Health, climate change is real, it is already impacting our health, and 97 percent of climate experts agree that humans are causing climate change<sup>1</sup>.

The CAAP development process has been focused on technical analyses required as a basis of data and facts for developing a CAAP. The analyses involves a GHG forecast and a vulnerability assessment. The GHG forecast quantifies the City's current GHG emissions and uses modeling to estimate future GHG emissions. The vulnerability assessment estimates how and when critical community assets and infrastructure will likely be impacted by climate change or extreme weather events such as flooding, sea level rise, drought, extreme heat, and poor air quality.

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<sup>1</sup> 10 Things Every Public Health Professional Should Know About Climate Change, 2014; retrievable at: <http://www.laregionalcollaborative.com/climateandhealth/>

The City invited a Scientific Working Group (SWG) of local, independent scientific experts, to validate the methodology for conducting this analysis. The SWG is comprised of 13 experts from California State University Long Beach (CSULB), Long Beach City College (LBCC), Aquarium of the Pacific, University of California Los Angeles (UCLA), Research and Development (RAND), and the South Coast Air Quality Management District (SCAQMD). A list of the Scientific Working Group Members is included with this report (Attachment A). The group also provided local data to be included in the analysis.

The CAAP is a mitigation measure of the Land Use Element (LUE) update to the City's General Plan. Consequently, it was not possible to complete the CAAP data analysis until the LUE maps were finalized. Since the final LUE maps were adopted by the City Council on March 6, 2018, the CAAP modeling is now almost complete.

### **Cross-Departmental Coordination for a Citywide CAAP**

Although the CAAP is being prepared by the Development Services Department's Planning Bureau, it is a Citywide plan that will impact all City departments, residents, businesses and institutions within Long Beach. In April 2017, the Planning Bureau convened 43 staff members from 18 City departments to kick off the CAAP development process. Staff members were selected for participation based on their role and impact in the CAAP development process. The meeting included a detailed overview of the CAAP, the regulatory framework and legal requirements, the CAAP development process, a discussion of existing City sustainability efforts and ideas for developing an effective, implementable plan.

Planning Bureau staff then collected data forms from City departments to include in the vulnerability assessment and GHG inventory. Critical assets (i.e. buildings, infrastructure, vehicles, parks, pump stations, etc.), existing programs or policies to reduce GHGs, and reports on past climate or weather events that impacted departmental services or assets were inventoried. Data was collected on existing adaptive capacity or actions being taken by departments. Lastly, AECOM combined data from City departments with third-party data, research, and modeling tools approved by the SWG to conduct the GHG analysis and vulnerability assessment.

On April 24, 2018, preliminary results were shared with City staff who attended the kickoff meeting. Those results showed a number of City assets at risk by the year 2030, including buildings, roads, bridges, parks, and sewer stations. Based on preliminary results, the technical team requested a multitude of additional data from City departments. This data is now being collected to inform a refined vulnerability assessment that will be released to the public once completed.

### **CAAP Workshop on June 2, 2018**

The CAAP will not only address City processes and assets, but will also provide a framework for creating or updating policies, programs, practices, and incentives for Long Beach residents and businesses to reduce the City's GHG footprint. Therefore, it is imperative that all Long Beach residents and stakeholders have the opportunity to be involved in developing the CAAP. As such, the community is invited to the first CAAP Workshop, which will take place on Saturday, June 2, 2018, at Martin Luther King, Jr. Park located at 1950 Lemon Ave. to kick off a year-long outreach effort. (Attachment B). The purpose of the Workshop is to engage the

community to create a meaningful, actionable CAAP that makes sense for Long Beach and meets the various state mandates for GHG reductions while improving health, quality of life, and economic vitality in Long Beach. Community members are welcome to stop by anytime between 10:00 a.m. and 1:00 p.m.

The Workshop will feature information on the CAAP, interactive ways for the public to provide feedback, and family-friendly activities. The event will offer food, opportunity drawings, and a Sustainability Resource Fair. Detailed presentations on results of the GHG forecast and vulnerability assessment will be given throughout the event for those who are interested. The [CAAP website](#) will be updated with more details on the event activities as they are confirmed.

### **Outreach Plan & Next Steps for CAAP**

Upcoming outreach events and activities will be focused on validating the data and risk assessments, and working in partnership with the community to understand, prioritize and plan mitigation measures and adaptation strategies towards CAAP goals and reduction targets. Developing the CAAP will be just the beginning of an ongoing, collaborative process to make Long Beach a safer, healthier and more sustainable place to live, work and play. Residents, business owners, students, and other community stakeholders are encouraged to get involved by providing input, spreading the word, and sharing ideas, priorities, and solutions to help establish and achieve the City's climate goals.

The Planning Bureau will also continue to coordinate Community and Business Working Group meetings. Staff will host at least one additional meeting for each group in the coming months, in addition to those held in September and October 2017. Meetings with the Council District Offices to finalize outreach plans and events to occur within each district over the coming year are also planned.

The CAAP Outreach Plan that was shared with the City Council in September 2017 is being updated and refined to reflect additional strategies and lessons learned by Planning staff in recent efforts to update the LUE. Additional meetings and outreach strategies are being added to ensure community stakeholders have early and meaningful opportunity to shape the CAAP. The Outreach Plan was developed using equity analysis conducted by a City staff from the and the Health and Human Services Department's Office of Equity, as well as the Parks, Recreation and Marine and Development Services Departments.

If you have questions regarding this matter, please contact Linda F. Tatum, Director of Development Services, at (562) 570-6261 or [Linda.Tatum@longbeach.gov](mailto:Linda.Tatum@longbeach.gov).

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#### **ATTACHMENTS**

- A. LIST OF CAAP SCIENTIFIC WORKING GROUP (SWG) MEMBERS
- B. CAAP WORKSHOP INVITATION FOR JUNE 2, 2018

CC: CHARLES PARKIN, CITY ATTORNEY  
LAURA L. DOUD, CITY AUDITOR  
TOM MODICA, ASSISTANT CITY MANAGER  
KEVIN JACKSON, DEPUTY CITY MANAGER  
REBECCA GARNER, ASSISTANT TO THE CITY MANAGER  
MONIQUE DE LA GARZA, CITY CLERK

**CAAP Scientific Working Group Members:**

- **George Ban-Weiss, USC**
  - Expertise: Urban Heat Island
- **Suzanne Dallman, CSULB**
  - Expertise: Water Supply
- **Katharine Davis-Reich, UCLA**
  - Expertise: Downscaled Climate Models
- **David Eisenman, UCLA**
  - Expertise: Public Health
- **Scott Epstein, SCAQMD**
  - Expertise: Air Quality
- **Timu Gallien, UCLA**
  - Expertise: Water Resources
- **Kim Hatch, LBCC**
  - Expertise: Weather Monitoring
- **Lily House-Peters, CSULB**
  - Expertise: Social and Environmental Resilience
- **Aaron Klemm, CSU Chancellor's Office**
  - Expertise: Energy Systems
- **Rob Lempert, RAND**
  - Expertise: Climate Risk
- **Jerry Schubel, Aquarium of the Pacific**
  - Expertise: Oceans and Coastal Impacts
- **Dean Toji, CSULB**
  - Expertise: Environmental Justice
- **Christine Whitcraft, CSULB**
  - Expertise: Urban Ecosystems

# SAVE

Climate Action &  
Adaptation Plan  
(CAAP) Open House

**THE DATE**  
SATURDAY, JUNE 2, 2018  
10 A.M. – 1 P.M.

# SMALL CHANGE

Climate change affects us all.  
Let's take proactive steps—TOGETHER.

Attend the CAAP Open House

*SATURDAY, JUNE 2, 2018*

@ Martin Luther King Jr. Park  
1950 Lemon Ave.

Stop by anytime between 10 A.M. – 1 P.M.

 LongBeachBuilds  
 @LongBeachBuilds

The City of Long Beach is developing its first-ever **Climate Action and Adaptation Plan (CAAP)**, and we want you to be a part of the process! Join us for an Open House and Sustainability Resource Fair to learn more and provide input on the City's climate goals.

Share your ideas, and join the CAAP conversation on Facebook and Twitter using #ClimateActionLB

For more information, visit:

[www.lbds.info/climateactionlb](http://www.lbds.info/climateactionlb)

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# BIG IMPACT