Mayors’ Commission on Climate Change

Meeting #4 | August 1, 2019
WELCOME

Anne Stausboll | Commission Chair
WELCOME

Mayor Cabaldon | City of West Sacramento
City of West Sacramento Climate & Resiliency Action Plan

David Tilley
City of West Sacramento
Background

- **Location**: along the Sacramento River in eastern Yolo County
- **Diversity**: home of the Port of West Sacramento, Raley Field, CalSTRS, numerous commercial and industrial businesses, agriculture, and several distinct residential neighborhoods
- **Growth**: the City’s population is estimated to exceed 80,000 by 2035
The City’s current Climate Action Plan (CAP), first drafted in 2009.

Since 2009 CAP has included edits to the energy efficiency section in 2013 along with establishing a new greenhouse gas emissions base year of 2011.

Most recently during the comprehensive update to the City’s General Plan that concluded in November 2016.
West Sacramento Sustainability Efforts

- Incorporating mix use developments while keeping sustainability in mind
- Strict green building and energy codes
- PV and hybrid vehicles added to city property
- Compact infill mixed use development
- Via (on-demand microtransit) and JUMP
- Early implementation of SB-743 / VMT-based thresholds
- No annexations
Transportation is a **huge contributor of GHG emissions**, and as a city we want to lessen our impact by implementing a variety of reduction measures:

- Promote community purchases of compact and hybrid vehicles
- Encourage development of alternative fuel capability at existing gas stations
- Develop enhanced transit system
- Change zoning ordinance to require secure bike storage facilities for significant new private development
- Recruitment of employers to reduce VMT
- Active transportation projects
Update GHG inventory to incorporate mitigation tactics
Increase the City’s waste diversion target to 75% by 2020
Improve the quality of life for disadvantaged communities
Update Climate Action Plan to represent the needs of the city
Carbon sequestration
Stakeholders engagement
Community/City Engagement

City

- Environment & Utilities Commission
- Transportation, Mobility & Infrastructure Commission
- Planning Commission
- City Council

Community

- Public workshops to help residents and businesses consider their contribution to climate change in their daily activities.
- Stakeholder interviews to learn how solar PV installations have worked.
- Public interface with a dashboard or a similar web-based tool to learn about the CAP and actions they can take.
- Prioritize disadvantaged communities and equity throughout engagement efforts.
Review and Implementation

- Maintain implementation schedules and ensure emissions reductions are achieved in a cost-effective manner.
- Staff will provide guidance and support to County staff on financial, programmatic, and technical matters.
- Coordinate with departments, establish partnerships, and engage the community and key stakeholders.
- Adopt and update ordinances and codes.
Timeline: CAP Update

- RFP has been released (proposals due in August 2019)
- Consultant selection in September 2019
- The process may take up 6-12 months
  - Informed by Mayors' Commission reports
CITY OF SACRAMENTO
COMMUNITY OUTREACH
UPDATES & FINDINGS

Remi Mendoza | City of Sacramento
Community Outreach

Citywide Workshops

- 4 workshops conducted
- 340 participants

Community Plan Area Workshops

- 4 of 10 workshops conducted
- 225+ participants

Stakeholder interviews, technical advisory committees, focus/interest-based groups, pop-up events, and listening sessions
Upcoming Workshops

Help Shape the South Area Plan
Monday, August 5, 2019
9:30 - 7:30 p.m.
Common Ground Church | 8355 Arroyo Vista Dr, Sacramento

The Sacramento General Plan includes 10 community plans that identify and address local issues and opportunities in our neighborhoods.

We need your input to refresh the community plans and ensure they reflect local priorities. Join us for a community workshop to help shape the South Area on Monday, August 5.

Be sure to arrive by 5:30 p.m. and plan to stay until 7:30 p.m. Food will be provided at this family-friendly event.

Meeting agenda:
5:30 p.m. Welcome + live polling exercise
5:40 p.m. Presentation
6:10 p.m. Group activity
7:10 p.m. Wrap-up

Please RSVP:

For reasonable accommodation needs due to a physical disability that may hinder your participation, please contact the City’s ADA Coordinator directly at 916-808-6473.

If you require a translation to another language, please let us know at least one week before the meeting.

More information can be found online at www.sac2040.org
Questions? Contact kathleen@kmcconsulting.ca.com

Help Shape the North Sacramento Plan
Wednesday, August 7, 2019
5:30 - 7:30 p.m.
Grant High School | 1400 Grand Ave, Sacramento

The Sacramento General Plan includes 10 community plans that identify and address local issues and opportunities in our neighborhoods.

We need your input to refresh the community plans and ensure they reflect local priorities. Join us for a community workshop to help shape the North Sacramento on Wednesday, August 7.

Be sure to arrive by 5:30 p.m. and plan to stay until 7:30 p.m. Food will be provided at this family-friendly event.

Meeting agenda:
5:30 p.m. Welcome + live polling exercise
5:40 p.m. Presentation
6:10 p.m. Group activity
7:10 p.m. Wrap-up

Please RSVP:

For reasonable accommodation needs due to a physical disability that may hinder your participation, please contact the City’s ADA Coordinator directly at 916-808-6473.

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Questions? Contact kathleen@kmcconsulting.ca.com
Community Input on Mobility

- **Public Transit**
  - Safety
  - Fewer transfers
  - First/last mile connections

- **Biking & Walking**
  - Safety
  - More bike lanes
  - Pedestrian-centric design

- **Shared Mobility**
  - Expand access
  - Accessibility and incentives in lower-income areas

- **Electric Vehicles**
  - Charging infrastructure
  - Affordability
  - Insufficient range
BUILT ENVIRONMENT
LAND USE STRATEGY
PUBLIC COMMENT

BUILT ENVIRONMENT

LAND USE STRATEGY

1-2 minutes max per public comment
DISCUSSION
BUILT ENVIRONMENT
LAND USE STRATEGY
SACOG
Advancing Innovative Mobility

Monica Hernández
Director of Innovation & Partnerships
WHY NOW?
Game Changers

- Technology
- Ride sharing
- Vehicle sharing
- 1st & last mile connections
- MaaS
Your Taxi number is 253
Pickup estimation 4 minutes
What We’ve Done

Full & Partial Funding of Pilot & Demonstration Projects
Civic Lab
Technical Assistance
Move people in new ways
Connect to existing options
Reduce vehicle miles traveled
Leverage technology
CarpoolRider

Thursday Apr 11
7:40–8:00 AM
Need a ride to work
5:00–5:30 PM
Work → Home

Friday Apr 12
7:40–8:00 AM
Home → Work
5:00–5:30 PM
Work → Home

Saturday Apr 13

Sunday Apr 14

I NEED A RIDE

Waze
Civic Lab
Innovation and embracing risk
Year 1

City of Citrus Heights
City of Davis
City of Folsom
City of Rancho Cordova
City of Roseville
City of Sacramento
El Dorado County
Sacramento County
Yolo County

70+ private & public partners
In the Pipeline

On-demand Shuttle
Knight's Landing

AV Passenger Shuttle
Rancho Cordova

Suburban Bike Share Pilot
Elk Grove, Folsom, Rancho Cordova

High School Ride Share App
San Juan Unified

Innovative Mobility
Ongoing program
ADVANCING INNOVATIVE MOBILITY
FOUR MEGATRENDS DEFINING MOBILITY

CONNECTIVITY

• Networking between vehicles and infrastructure
• Over-the-air software updates to deploy new features faster
• Enablement of shared services
  (e.g. Uber, Lyft, Tesla, etc.)

• Disruptive growth market for EVs to address climate change and air quality
• Less complex vehicles shifting value creation to smaller companies
  (e.g., EVs, Charging Infrastructure)

AUTONOMOUS DRIVING

• Transition from assisted driving to fully autonomous driving
• Unlimited need for reliability
• Enablement of individual mobility for nondrivers
  (e.g., Olli, Waymo, etc.)

• Enabled by other 3 mega-trends
• Enablement of on-demand market for robo-taxis and shuttles
• Customized driver experiences
  (e.g., Envoy, Amply, etc.)

ELECTRIFICATION

• Disruptive growth market for EVs to address climate change and air quality
• Less complex vehicles shifting value creation to smaller companies
  (e.g., EVs, Charging Infrastructure)

DIVERSE MOBILITY

Includes heavy, medium and light duty vehicles; public transit; school buses; motorcycles; scooters; and all necessary supporting systems
A HUB FOR MOBILITY INNOVATIONS

- Technology- and policy-driven
- Partnership of founders and members to:
  - Attract new businesses, investments and start-ups
  - Work collaboratively with local governments, regulators, manufacturers, utilities, universities, community colleges and international partners
  - Catalyze workforce development
    - Develop training and job opportunities in advanced manufacturing, engineering, and technology.
WHAT WE HAVE DONE SO FAR

Proposed business structure for the California Mobility Center - legal, governance and funding framework, and potential revenue model including value sharing mechanisms for members and investors.

Feasibility study by PEM Motion (Aachen, Germany) for replicating their advanced prototyping and manufacturing ramp-up factory here in Sacramento as a key component of the California Mobility Center.

ADVISORY TEAM
Other founders likely to be local partners, large original equipment manufacturers, and other large, technology-intensive, progressive companies

California Mobility Center (non-profit corp.)

Governing Board (Founding members)

Members

CMC Fund LLC (for profit corp.)

SMUD is a Founding Member

Consortium Management

Advisory Teams
- Policy
- Industry

Business Model and Policy Validation and Testing

Prototyping, Testing, Manufacturing and Research

Autonomous Transportation Standards Testing

Business Valuation and Analysis

Workforce Development
PRELIMINARY RECOMMENDATIONS FOR MOBILITY
Transportation Sector Emissions

- **Transportation**: Approximately 50% for Sacramento (2016) and West Sacramento (2010)
- **Residential**: Approximately 10% for both areas
- **Commercial**: Approximately 10% for both areas
- **Waste**: Approximately 5% for Sacramento (2016) and West Sacramento (2010)
- **Other**: Approximately 5% for West Sacramento (2010)
Transportation Demand Management

Transportation & Land Use System

Transportation Supply

Sustainable Transportation Options

Land Use

Supportive Land Use Patterns
Franklin Boulevard
Complete Street Project
Franklin Neighborhood Development Corporation
Community Priorities

Public Transit

Active Transport

Electric Vehicles
Getting to Carbon Zero in Sacramento & West Sac by 2045

Vision & Key Areas of Action

Top 3 Priority Strategies

Implementation Tactics
Mobility TAC Vision & Principles

Expand, improve, and incentivize
Public transit
Shared mobility (pooled rides)
Active transportation
Zero-emission vehicles

Discourage
Single-occupant vehicle trips

Core Principles
- Marginalized Populations
- Outreach & Education
- Accessibility
- Affordability
- Workforce Development
- Innovative Solutions
Transit & Shared Mobility

Active Transportation

Vehicle Electrification
Expand and improve transit and shared mobility services to be more competitive with single occupancy vehicle use so that 30% of all trips are by transit and pooled shared mobility by 2030 and 50% by 2045.
Expand and enhance accessibility to low-stress connected infrastructure for walking and rolling so that 30% of all trips are by active transportation by 2030 and 40% by 2045.
Mobility Strategy Recommendation #3

Vehicle Electrification

Electrify 80% of the transportation sector including all personal and shared vehicles and public and private fleets by 2030 and 100% by 2045.
Questions?
PUBLIC COMMENT

MOBILITY

1-2 minutes max per public comment
DISCUSSION

Transit & Shared Mobility
Active Transportation
Vehicle Electrification
PUBLIC COMMENT
1-2 minutes max per public comment
NEXT STEPS & CLOSING REMARKS
Thank you!

www.lgc.org/climatecommission