
SACRAMENTO ENVIRONMENTAL COMMISSION

Robert Bailey
Mark Barry
Dana Curran, Vice-Chair
Dr. Anthony DeRiggi
Richard Hunn, Chair
Diane Kindermann
George "Buzz" Link
Margie Namba
Eric Rivero-Montes
Mark White

A JOINT COMMISSION APPOINTED BY:
County of Sacramento
City of Sacramento
City of Isleton
City of Folsom
City of Galt
City of Elk Grove

MEETING MINUTES **Monday, May 15th, 2017** 10590 Armstrong Ave., Mather, CA 95655 6:00 p.m.

ITEM

- 1** Call to Order – Chair Hunn
Meeting called to order at 6 p.m.
- 2** Roll Call – Staff Secretary

Commissioners present: Robert Bailey, Mark Barry, Dana Curran, Dr. Anthony DeRiggi, Richard Hunn, George "Buzz" Link, Eric Rivero Montes, Mark White, Diane Kindermann

Absent: Margie Namba

- 3** Introduction of Commissioners – Chair Hunn
- 4** Public Comment – Chair Hunn

There was no public comment.

- 5** Presentation Cancelled- Reschedule for August or September, include Ascent if possible.
Sacramento County's Climate Action Plan, Last Phase- Surinder Singh, Principal Planner
- 6** Climate Change and Adaptability- Kathleen Ave, Climate Program Manager, SMUD Energy Research & Development
Chair, Capital Region Climate Readiness Collaborative

SMUD has prepared a Climate Readiness in the Capital Region Plan that outlines their long range goals to increase energy efficiency and reduce global warming. This includes the reduction of greenhouse gas emissions, reaching sustainable energy supply goals and having a risk management system that addresses and mitigates risks including climate change.

SMUD performs assessments of power supply risks and ensures that they have a diverse portfolio of power supplies including solar, hydro, natural gas, wind and biomass. Wind is an

unpredictable resource and SMUD predicts flat growth of this resource when projecting climate models.

Most of these sources were developed soon after the Rancho Seco nuclear power plant shut down. The power supply chain is assessed scientifically every 4 years and the findings used in all long term planning, particularly investment strategy and infrastructure planning. Forward looking strategic focuses include carbon sequestration in the land base, reducing short lived climate pollutants, and forest thinning which potentially could reduce wildfire risk and increase hydro flows.

The action plan studies climate impacts which are then summarized and ranked in probability in the plan. Some examples of impacts that are addressed are: cool roof technology to reduce the urban heat island effect, drones being utilized to survey areas for dead and dying trees that may harm powerlines, and natural disaster impacts on energy. The costs of the King fire disaster in El Dorado County in the summer of 2016 carried forward to cause 20 million dollars in damage this year due to effects of erosion and slides on power lines.

Sacramento falls between two climate zones. Elevation plays a role in calculating climate risk and as the Sacramento region contains mountainous areas as well as valleys, there are a variety of models used to make climate change predictions. Snow run off from the High Sierras is predicted to decrease by three percent in the last third of the century, affecting hydro sourced power, and there is a large variable in winter and spring/summer precipitation.

Heat transmission is a huge component of climate models. Average days over 101 degrees are predicted to go from the current 13 per year to 85 per year by the end of the century, in conjunction with a longer heat season. This prediction of increased heat averages is problematic because Sacramento already exceeds the state average for heat illness and death. Cities need to be serious about shading because heat is a health issue. It kills more people per year than storms and weather events combined. Cooling center operations are triggered at different temperatures based on location. In San Francisco, centers are triggered at 85 degrees as most people do not have air conditioners there. Congregations make the best cooling centers because of their proximity to the people that need and use them. Social cohesion is a crucial factor in climate emergencies and aids the largest number of people in extreme heat situations. [Climate Central](#) is a valuable online resource tool for climate data.

Ms. Ave showed a slide from Cal EPA illustrating Capital Region Heat Pollution, also called the urban heat island phenomenon, on a thermal map. Although the heat sources were located in South Sacramento and downtown Sacramento, the map clearly showed the heat flowing to Roseville, Rocklin and Folsom. The heat source are roof tops and hardscapes in urban areas.

Imperatives for action: Banks, bond markets are looking at effects of climate risk on business when insuring properties near the coast and fire lines. Where are first responder employees

located/living in the event they would be called to respond to a natural disaster?
Modernizing the grid, power supply, and new smart energy use modules, all promote climate readiness.

There is a community aspect to climate readiness. The Capital Region Climate Readiness Collaborative acts as a convening group, influences future projects and promotes climate resiliency. There is an economic cost to air pollution and heat pollution. A prior FEMA study estimated that for every dollar spent predisaster, it would save 4 dollars in disaster response cost.

What's next? The Sierra Nevada Conservancy is working on forest health and stream flows and upland/lowland relationship in water usage. The Arch Nexus building is an example of an innovative energy project that could pave the way for future energy positive buildings. The building is fossil free in its operations and is required to verify energy performance by a neutral 3rd party.

Climate migration is an uncertain issue. If Sacramento were to experience temperatures as hot as Arizona, residents may potentially migrate out but SMUD currently projects flat population growth, not influx or outflow, due to heat.

Future SMUD utility pricing will be tied to time use, to discourage use of electricity during peak hours. Community solar projects bring more local partners into projects. Roof solar panels are good but it is more efficient and cost advantageous to develop solar panel projects within the energy supplier's grid.

SMUD has launched a natural refrigerant program to incentivize the change over from the current commercial refrigerant to an environmentally friendly one that reduces harmful effects on the climate. Commercial refrigerant management is a number one identified change area that is feasible to implement.

7 Approval of April 2017 Minutes

A motion was made by Dana Curran and seconded by Anthony DeRiggi to approve the April 2017 Minutes.

Ayes: Mark Barry, Dana Curran, Dr. Anthony DeRiggi, Richard Hunn, George "Buzz" Link, Eric Rivero Montes, Mark White, Diane Kindermann

Abstentions: Robert Bailey

8 Meeting Action Items:

1. Mark White and Robert Bailey to write summaries of their meetings with Supervisor Frost and Councilmember Gaylord, respectively, to include in the SEC Annual Report.
2. Meeting with Mayor Steinberg is scheduled for June 13th.
3. Secretary to compile list of surrounding area Environmental Commissions.
4. Schedule speakers on Illegal Food Vendors and Organics Recycling in upcoming months. Add SWA Planning Group to November schedule.

5. Speaker re: Aerojet Management and Groundwater Contamination. Contact Alex McDonald at the Regional Water Board.
6. Speaker in August on the South Sacramento Conservation Plan.

9 Create Permanent Committees

The Committee leads are tasked with creating a list of objectives and a schedule to meet those objectives. Volunteers to the committees were:

1. 2017 Environmental Awards Committee – Dana Curran (lead), Diane Kindermann, Mark White
2. Webpage Committee- Anthony DeRiggi, Eric Rivero-Montes, Buzz Link
3. 2017 Annual Report Committee- Chair and Vice Chair to always staff this committee. Richard Hunn, Dana Curran, Mark Barry and Bob Bailey.

10 Ad Hoc Committees Reports

1. Cyanobacteria Committee Status Report

Chair Hunn made revisions to the draft Cyanobacteria report. After a telephone meeting with Interim Director, Marie Woodin and Chief of Environmental Health, Jason Boetzer, Chair Hunn is finalizing the content and recommendations addressing current Sacramento County Harmful Algal Bloom (HAB) monitoring and reporting. The report will be submitted at the June meeting for final commissioner review. Commissioner Link suggested coordinating with Sacramento Yolo Mosquito Vector Control District. EMD will reach out to community groups that walk creeks to look for HABs. EMD plans to create a laminated fact card on HAB as well as a 2 minute video of Cyanobacteria to post on the website.

In the SEC Cyanobacteria Report, Morrison Creek is highlighted as having potential HAB risk but isn't currently monitored. Chair Hunn would like Morrison Creek to be included in monitoring/reporting.

2. Electric Vehicle Fleet Committee Status Report

The EV Committee prepared a list of questions to discuss when meeting with Fleet Managers of the local governing jurisdictions.

11 SEC Organization

Chair Hunn would like to create an outline for drafting the following:

1. SEC Annual Goals
2. Chair/Vice Chair/Commissioner Roles and Responsibilities
3. Participation on Committees
4. Contribution to SEC Recommendations

12 SEC Outreach

1. Agency Monitoring Report Back

Diane Kindermann: The County of Sacramento's Climate Action Plan includes the following interesting issues: tree planting, vulnerable populations, addressing the tension between solar and trees, precipitation use, less meat consumption, not widening roadways, buildings switch to electric use instead of gas and a change in land ownership laws.

South Sacramento Habitat Conservation Plan protects approximately 320,000 acres. The Plan took almost 20 years to prepare and has now been submitted to the federal register.

2. Create List of Interested Stakeholders/Agencies for Future Outreach

- a. Identify Type of Communications and Outreach
- b. Time Schedule for Outreach

13 Sacramento County Environmental Management Director's Report- Marie Woodin

14 Commissioner Comments

1. Bob Bailey met with City Councilmember Gaylord.
2. Polystyrene packaging ban (not the same as Styrofoam) ordinance in City of Davis and City of Elk Grove- confer with the Davis Environmental Commission, Alameda Environmental Commission, Santa Clara Commission, and Los Altos Commission on their position.
3. Chair Hunn and Eric Rivero-Montes met with representatives from the City of Elk Grove to discuss activities of the SEC and possible topics of interest to Elk Grove as one of the appointing jurisdictions.
4. Commission received the emailed invitation to attend the Cordova Creek Project Ribbon Cutting Ceremony.
5. Bill in CA legislature to approve home cooked food retail sales, i.e. Josephine. Take a look at Canada's ordinances regarding illegal food vendors.

15 Adjournment – Next Meeting Monday, June 19th, 6:00 p.m. EMD Offices, 10590 Armstrong Ave., Mather, CA 95655

This meeting is being audiotaped/videotaped in its entirety and will be available at the Environmental Management Department office. Agendas are posted in the offices of the City of Sacramento, Folsom, Galt, Isleton, Rancho Cordova, Elk Grove, and the County of Sacramento and also on the EMD Website at: emd.saccounty.net. Agendas are also forwarded to interested parties upon request.