

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

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Meeting Minutes of the

Resource Management and Climate Protection Committee (RMCP)

455 County Center, Rm. 101, Redwood City, CA 94063

Date: Wednesday, November 20, 2024 Time: 3:00 p.m.

Committee Members in Attendance:

Donna Colson – Burlingame (Chair)
Sue Beckmeyer – Pacifica
Kaia Aiken – City of Redwood City
Gina Papan – Millbrae
Betsy Nash – Menlo Park
Alex Fernandez – Filoli
Sarah Hubbard – Sustainable San Mateo County

Committee Members not in Attendance

Tom Francis – BAWSCA (Vice Chair)
Mary Hufty – Town of Portola Valley
Dave Pine – County of San Mateo
Ortensia Lopez – El Concilio
Jeff Smith – Sares Regis Group
Bill Chiang - PG&E

Additional Attendees and Speakers

Sean Charpentier – C/CAG
Kim Springer – C/CAG
Dylan George – PG&E
Mehdi Shahriari – PCE
Marc Hershman – Peninsula Clean Energy
Lew Fulton – UC Davis
Ori Paz – City of Menlo Park

Note: All presentations for this meeting have been posted on the C/CAG RMCP Committee website:
<https://ccag.ca.gov/committees/resource-management-and-climate-protection-committee/>

Meeting was called to order at 3:17 P.M.

1. Roll Call and introductions.

Committee staff completed Roll Call and a quorum of 7 members was eventually achieved.

2. Public Comments on items not on the agenda.

There were no public comments.

3. Approval of draft minutes of the September 18, 2024 and October 16, 2024 RMCP Committee meetings.

The Committee approved the minutes of the September 18, 2024 and October 16, 2024 RMCP Committee meetings, with a motion by Member Papan, seconded by Member Nash. A vote was taken and both draft minutes passed (7,0,0).

4. Approval of RMCP Committee meeting dates for January 2025 through January 2026.

The Committee reviewed the proposed meeting date for calendar year 2025, and a motion was made by Member Nash, seconded by Member Aiken. A vote was taken and approval passed (7,0,0).

5. Presentation on the Diablo Canyon Nuclear Power Plant and its role in supporting the California energy transition.

Bill Chiang, PG&E Local Government Affairs and Committee member gave a brief introduction and introduced Dylan George, Local Government Affairs – Diablo Canyon Nuclear Power Plant (DC), who provided the presentation.

DC provides approximately 9% of the State's electricity and supplies approximately 3 million people in the State. DC was recently asked, by SB 846 (2022) to remain online for a period of five additional years. PG&E applied to the Nuclear Regulatory Commission to extend their permit. DC's two reactors are two of the 94 in the US. The nuclear fission reaction is used to heat water in a closed loop, transferring the heat to separate loop which generates steam, which is fed into steam generators. Local ocean water is used to cool the reactors. Used fuel is stored onsite in secure dry storage. There is no national repository for spent nuclear fuel at the time in the US.

The had discussions and ask questions related the following: efficiency of newer nuclear plants, reprocessing of spent fuel, use of waste heat for energy, how many reactors different countries have compared to their populations, collaboration between nuclear power plant owners, the Fukushima reactor failure, capacity of onsite spend material storage, recent purchase by Microsoft of a reactor at Three Mile Island, fusion reactor research, the need for centralized spent fuel storage.

6. Presentation on Peninsula Clean Energy's load and energy supply mix.

Mehdi Shahriari, Senior Manage of Planning and Analytics at PCE provided a presentation on their power portfolio and 24/7 targets. PCE supplies approximately 3500 GWh in San Mateo County with expected growth of about 3-4% growth per year. PCE aims to achieve 100% renewable annually by 2030 and 77% hourly renewable matching in 2027. The current portfolio includes long- and short-term storage, wind, solar + storage, solar, small hydro, and geothermal. Sources are spread throughout the State. PCE currently offers ECOplus, which is 51.7% renewable energy and ECO100, which is 100% renewable energy. Challenges for PCE to meeting the 24/7 renewable goal are grid upgrade delays, limited wind and geothermal, and the high cost of renewables.

Committee Chair, Donna Colson provided background on PCE's recent vote to allow nuclear energy into PCE's power mix in the future. The decision stemmed from nuclear attributes included in the CPUC's Power Charge Indifference Adjustment (PCIA), which is a fee that PCE customers

pay. The decision by the PCE board was to retain funds the customers would have had to pay to control rates.

The committee discussed or asked questions about the following: types of storage needed to meet the 24/7 goals, the percentage of geothermal in use, safety and reliability of storage, balance of need for long- vs. short-term storage, future use of Hydrogen as storage, and the rising cost of utility rates.

7. Presentation on The Alliance for Renewable Clean Hydrogen Energy Systems, a California initiative to accelerate renewable hydrogen projects.

Lew Fulton from UC Davis presented on the CA Hydrogen Hub, one of seven planned for across the US, funded by the DOE under the ARCHES program (CA), which is a public-private partnership to create sustainable, renewable, clean Hydrogen market. The focus is on heavy duty transportation applications such as ports, power, heavy transportation, but could also begin work on aviation, maritime, and other uses.

California signed the contract with ARCHES in late July 2024, Phase I of the program to begin in January 2024, with four total phases over six years. The Phase I DOE award was \$20M. ARCHES will focus ½ on transportation, and ½ on power and ports. Transportation is focused on 600 fuel cell trucks or busses, and 50 stations by 2030. The intention is to begin Phase II of the ARCHES project in late summer 2025.

The Committee had discussion or asked questions related to the following: the number and type of working groups involved in the project, why Hydrogen over electric for vehicles, elements of workforce development, Hydrogen station safety and permitting, and relationship between Hydrogen generation and municipal waste.

8. Committee Member Updates

C/CAG executive Director, Sean Charpentier reminded the Committee of open recruitments to C/CAG committees.

9. Next Scheduled Meeting Date: January 15, 2025

Meeting adjourned at approximately 5:16 P.M.

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