



MEMORANDUM

EUGENE WATER & ELECTRIC BOARD

Rely on us.

TO: Commissioners Carlson, Barofsky, McRae, Schlossberg, and Brown
FROM: Kelly Hoell, Climate Policy Analyst & Advisor
DATE: March 7, 2023
SUBJECT: EWEB Climate Guidebook Part 1: Guidebook Introduction and Overview
OBJECTIVE: Discussion and feedback

Issue

Staff will present the current pre-release draft of EWEB's first-ever Climate Guidebook, in advance of the document's publication and posting on EWEB's website in April 2023. Staff is seeking Commissioner feedback prior to official publication.

Background

At the January 3, 2023, regular Board Meeting, EWEB staff introduced the concept of EWEB's forthcoming Climate Guidebook.

At the Feb 7, 2023, Board meeting, EWEB staff introduced a set of draft principles meant to define the general direction EWEB seeks to move on three topics that relate to climate change for inclusion in v1.0 of Guidebook. Principles can relate to any topic where EWEB invests effort, staff time, or resources.

In the content presented here, feedback received from both public comments and Commissioners on the principles section of the Guidebook at the February regular Board meeting, has been incorporated.

Discussion

During the March Board Meeting (Presentation Part 1), staff will provide an overview of the purpose and structure of the Guidebook. As a "living document" that will be updated periodically, this presentation will explain what is currently included in v1.0 and what content is planned for future releases. EWEB has begun its Climate Guidebook Public Outreach Plan and staff will provide results from initial feedback sessions with the local environmental community.

During the same Board meeting (Presentation Part 2), staff will review the results of EWEB's GHG inventory for 2021 and 2022 as well as EWEB's voluntary commitments reporting to Eugene CAP2.0. These topics are discussed further in a separate memo.

Purpose and Structure of Climate Guidebook v1.0

EWEB's Climate Guidebook is a reference document to articulate how EWEB is addressing climate change in accordance with EWEB's Board-approved Climate Change Policy (SD15). It also demonstrates how the work of the utility intersects with climate issues, broadly.

It is structured based on the five areas of focus outlined in SD15, with a chapter for each. There are also four appendices that provide specific technical detail or information. The chapters are listed below with a description of what content is currently included and what is planned for future versions.

Chapter 1: Introduction:

The intended audience for Chapter 1 is anyone who seeks to understand the purpose, structure, and update schedule for EWEB's Climate Guidebook. It also outlines the Public Outreach Plan for the Guidebook.

This is a "living document" that will be updated periodically. Minor releases can occur throughout a calendar year. The first minor update will be indicated as Version 1.1, second as 1.2, etc. Annually, readers can expect significant updates in April, in advance of Earth Day. These more significant updates will be indicated as Version 2.0, 3.0, etc.

EWEB's Climate Guidebook is designed for internal and external audiences, with some general information and some highly technical information. This document is not designed for cover-to-cover reading. Rather, it is set up to be more of an encyclopedia style, where readers can look up key information provided in various sections.

EWEB's Climate Guidebook Public Outreach Plan will have 2 phases. Phase 1 will run from Jan 2023 until March 2024 where staff will solicit feedback from key stakeholder groups on both how to use existing content and to inquire what future content is of highest priority to be developed next. Phase 2 will run from March to December of 2024 and will include a robust communications campaign promoting the Guidebook.

Phase 1 key stakeholder groups include: Beyond Toxics, Cascadia Wildlands, Eugene 350, McKenzie River Trust, NAACP Eugene-Springfield, Oregon Environmental Council, Oregon Physicians for Social Responsibility, Oregon Solutions, Sierra Club, City of Eugene, Eugene Chamber of Commerce, Lane County, University of Oregon, Lane Community College, EWEB Board of Commissioners.

Chapter 2: Climate Policy

The intended audience for Chapter 2 is anyone who seeks to understand the array of policy regimes related to climate change and GHG regulation or incentives at the global, federal, regional, state, and local levels and how this context applies to EWEB.

Content currently included in v1.0 includes:

Policy summaries and links for climate initiatives at the federal, regional, state, and local levels

- Global/Federal: The Paris Accord, Bipartisan Infrastructure Law / Infrastructure Investment and Jobs Act (BIL/IJA), Inflation Reduction Act (IRA)
- Regional: Western Energy Imbalance Market, Western Climate Initiative (WCI), Regional Greenhouse Gas Initiative (RGGI)
- California: AB-32 Cap-and-trade; Low Carbon Fuels Standard; SB-100 100 Percent Clean Energy Act; Tailpipe Emissions Standards; California Independent System Operator (CAISO) and the Western Energy Imbalance Market
- Washington: I 937 Energy Independence Act, Clean Energy Transformation Act (CETA),
- Oregon: State GHG reduction goals; Clean Energy Standard; Executive Order 20-04; Clean Fuels Program; Clean Electricity and Coal Transition Plan; Renewable Portfolio Standard; Emissions Performance Standard
- Eugene: Climate Recovery Ordinance; CAP 2.0; Ban on fossil fuel infrastructure in low-rise new residential construction

Principles to guide EWEB investment of staff time and financial resources:

- Carbon Policy & GHG Reduction Principles
- Distributed Generation Principles
- Green Hydrogen Principles

In the content presented here, feedback received from both public comments and Commissioners on the principles section of the Guidebook, has been incorporated.

Content planned for future Guidebook Versions:

- Additional details about federal funding opportunities under the BIL/IIJA and IRA
- Additional principles to guide EWEB investment of staff time and financial resources:
 - Rate Design Principles and additional future topics as determined by EWEB's Board of Commissioners and/or staff

Chapter 3: Power Supply & Transmission

The intended audience for Chapter 3 is anyone interested in EWEB's analysis and decision-making processes about expected community load and how EWEB plans to meet that electric demand with various power supply sources over the next 20 years. This chapter will highlight the connections between these decisions and climate change.

Content currently included in v1.0 includes:

- EWEB's 2020 and 2021 Electrification Studies showing expected load growth through 2042
- EWEB's 2022 IRP Initial Public Draft

Content planned for future Guidebook Versions:

- Public feedback from community education and outreach on 2022 IRP Initial Public Draft
- 2022 IRP Sensitivity Analysis Results
- 2024 IRP Results
- 2026 IRP Results

Chapter 4: Customer Decarbonization

The intended audience for Chapter 4 is anyone interested in how EWEB will move forward with initiatives to support community and customer decarbonization goals.

Content currently included in v1.0 includes:

Information on existing Green Options customer programs and incentives

- Live Green: Energy Conservation Programs for Residential Customers
- Work Green: Energy Conservation for Commercial Customers (General Service)
- Move Green: Programs to Support Electric Mobility
- Lead Green: Advanced Solutions for Climate Innovators

Appendix C – EWEB's Carbon Intensity Guidance for Customers

This section is described in more detail below, but Appendix C is listed here as it directly relates to how EWEB is supporting Customer Decarbonization efforts by providing links to GHG inventory protocol guidance and key electricity emissions factors in one easy-to-access location.

Appendix D – EWEB's Role in City of Eugene's CAP2.0

This section is described in more detail below, but Appendix D and how EWEB is working towards meeting its voluntary commitments as part of CAP2.0 is related to community decarbonization efforts.

Content planned for future Guidebook Versions:

- Board-approved Diversity, Equity, and Inclusion Policy
- Definitions and metrics regarding how EWEB programs reach and support diverse segments of our customer base
- EWEB Enterprise Solutions (EES) implementation: the technology and process transformation needed to enable EWEB's ability to deliver drinking water and electric services in a dynamic future
- Rate design analysis

Chapter 5: Climate Impacts on EWEB – Resiliency & Adaptation

The intended audience for Chapter 5 is anyone interested in how climate change is impacting EWEB's owned infrastructure and key resources, including the McKenzie River.

Content currently included in v1.0 includes:

- Expected physical changes for Lane County, via the Oregon Climate Change Research Institute
- Eugene-Springfield Natural Hazard Mitigation Plan (NHMP) and other planning efforts at the State and County levels
- EWEB's Wildfire Mitigation Plan
- EWEB's Watershed Protection Program, State of the Watershed Report
- Second Source of Drinking Water Development on the Willamette River

Content planned for future Guidebook Versions:

- Board-approved Resiliency Policy
- Research results from EWEB's Forest Carbon Lab investments in partnership with University of Oregon

Chapter 6: EWEB's Internal Operations.

The intended audience for Chapter 6 is anyone (including both general and technical audiences) interested in how EWEB is managing its internal greenhouse gas emissions and the accounting methods used in our inventory as well as how EWEB is progressing towards its internal GHG reduction goals.

Content currently included in v1.0 includes:

- Greenhouse gas emissions inventory for calendar years 2021, and 2022

Content planned for future Guidebook Versions:

- Internal Climate Action Plan and Roadmap to Carbon Neutrality by 2050

Appendix A: Glossary

The intended audience for Appendix A is anyone new to the terminology used within the Guidebook.

Content currently included in v1.0 includes:

- Terminology to match content in the current Guidebook.

Content planned for future Guidebook Versions:

- Terminology will be added as desired or needed as new content is added to other sections.

Appendix B: EWEB's Climate Change Policy, SD15

The intended audience for Appendix B is anyone who would like to reference the full and current language of SD15 as approved by the EWEB Board of Commissioners.

Content currently included in v1.0 includes:

- EWEB Climate Change Policy SD15

Content planned for future Guidebook Versions:

- If EWEB's Board of Commissioners updates SD15 with new language, Appendix B will also be updated.

Appendix C: EWEB's Carbon Intensity Guidance

The intended audience for Appendix C is internal and external GHG inventory practitioners or technical analysts who need to reference existing GHG inventory protocols and relevant emissions factors for the EWEB service territory.

Content currently included in v1.0 includes:

By the April release of v1.0 of the Climate Guidebook, this content will be finalized with links to established GHG inventory protocols relevant to a variety of uses and the following emissions factors.

Protocols to be referenced here include:

- World Resources Institute Corporate GHG Inventory Protocol
- World Resource Institute GHG Inventory Protocol – Scope 2 Guidance
- World Resources Institute Project Accounting GHG Protocol
- The Climate Registry's Electric Power Sector Protocol
- CDP (formerly known as the Carbon Disclosure Project)

Emissions factors to be published in this section include:

- EPA eGRID output emissions rate for EWEB's subregion, formerly known as the Northwest Power Pool (NWPP), now known as the Western Power Pool.
- EPA eGRID output emissions rate for the western U.S. grid known as the Western Electricity Coordinating Council (WECC).
- EPA eGRID non-baseload emissions rate for EWEB's subregion, formerly known as the Northwest Power Pool (NWPP), now known as the Western Power Pool.
- Oregon Department of Environmental Quality GHG Reporting Program, EWEB utility-specific emissions factors.
- Oregon Department of Environmental Quality Clean Fuels Program, EWEB utility-specific lifecycle emissions factor used for estimating clean fuels credits.

Content planned for future Guidebook Versions:

As the protocols or emissions factors listed above are updated, this section will also be updated to reference the new information.

Appendix D: EWEB's Role in Eugene's CAP2.0

The intended audience for Appendix C is City of Eugene Staff responsible for updating the performance of action items from the CAP2.0 on Eugene's Dashboard, as well as anyone who wants to understand progress made towards EWEB's CAP2.0 voluntary commitments.

Content currently included in v1.0 includes:

- History and Implementation of Eugene's CAP2.0

- Eugene Climate Collaborative and Large-Lever Shareholders
- EWEB's 15 voluntary Commitments as part of CAP2.0 in areas including Transportation, Building Energy, and Resiliency.
- Information on EWEB's limited income programs will be included before v1.0 is released in April.

Content planned for future Guidebook Versions:

- Updates to content will be planned as progress towards action items progresses.

Recommendation

None.

Requested Board Action

Discussion and feedback.

Attached

Draft EWEB Climate Guidebook v1.0, April 2023.