



## City of Salem

### Climate Action Plan Committee

Monday, July 8, 2024

10:00 a.m. – 11:30 a.m.

**Meeting will be conducted in-person and livestreamed on YouTube**

In-Person Location: Salem Civic Center, Room 325 (Traffic Control Room)  
555 Liberty Street SE, and

Livestream via YouTube: <https://bit.ly/salemclimatemeetings>

Submit public comment via email at  
[jdouglas@cityofsalem.net](mailto:jdouglas@cityofsalem.net) or telephone and 503-584-4678

Si necesita ayuda para comprender esta información, por favor llame 503-540-2371

#### **PARTICIPANTS**

##### Committee Members

Mayor Chris Hoy, Chair; Councilor Jose Gonzalez, Councilor Trevor Phillips, Councilor Micki Varney, Commissioner Michael Slater, and Councilor Deanna Gwyn (alternate)

##### Staff & Guests

Keith Stahley, City Manager; Brian Martin, Public Works Director; Robert Chandler, Assistant Public Works Director; Julie Hanson, Transportation Planning Manager; and Julianah Douglas, Climate Action Plan Manager.

#### **AGENDA**

1. Welcome and Call to Order
2. Public Comment
3. Approval of 5/13/2024 Meeting Minutes
4. Strategy TL 1 & TL 19 – Transportation System Plan Updates – Julie Hanson (Transportation Planning Manager) and Eunice Kim (Long Range Planning Manager).
5. Urban Sustainability Directors Network (USDN) Cascadia Regional Annual Meeting recap.
6. Strategy EN 01 – Creating and implementing a Climate Lens – Julianah Douglas (Climate Action Plan Manager).
7. Climate Action Plan Updates – Julianah Douglas (Climate Action Plan Manager)
  - a. Airport Solar Feasibility Study (completed).
  - b. Update on EECBG and Municipal Energy Master Plan RFP.
  - c. Energy Savings Performance Contracting & U.S. Department of Energy Campaign

- d. Employee Idle Reduction Campaign.
- e. Community outreach for energy and water conservation
- f. EPA Green Power Communities & Green Power Partnership.
- g. ICLEI memo updating GHG emissions inventory from 2021.

## 8. Adjourn

### **Next Meeting: September 9, 2024**

This meeting is being conducted both in-person and virtually, with in-person attendance by the governing body. Interested persons may view the meeting online on [YouTube](#). Please submit written comments on agenda items, or pre-register to provide Public Comment on items not on the agenda, by 5 p.m. or earlier one day prior to the day of the meeting at [jdouglas@cityofsalem.net](mailto:jdouglas@cityofsalem.net)

Special accommodations are available, upon request, for persons with disabilities or those needing sign language interpretation, or languages other than English. To request accommodations or services, please call 503-540-2371 (TTD/TTY 503-588-6439) at least two business days in advance.

It is the City of Salem's policy to assure that no person shall be discriminated against on the grounds of race, religion, color, sex, marital status, familial status, national origin, age, mental or physical disability, sexual orientation, gender identity, and source of income, as provided by Salem Revised Code 97. The City of Salem also fully complies with Title VI of the Civil Rights Act of 1964, Americans with Disabilities Act of 1990, and related statutes and regulations, in all programs and activities.



## CLIMATE ACTION PLAN COUNCIL COMMITTEE

May 13, 2024

City of Salem, Public Works Department, Room 325

**DRAFT MEETING NOTES**

### MEMBERS PRESENT

Mayor Hoy, Chair  
Councilor Stapleton  
Councilor Gonzales (virtual)

### MEMBERS ABSENT

Commissioner Slater, Planning  
Commission  
Councilor Phillips (virtual)  
(Alternate) Councilor Gwyn

### STAFF PRESENT

Keith Stahley, City Manager  
Brian Martin, Public Works Director  
Robert Chandler, Public Works Assistant Director  
Luke Gmazel, Engineer  
Jason Pulley, Utilities Program Manager  
Keith Garlinghouse, Utilities Engineer  
Julianah Douglas, Climate Action Plan Manager

- 
- Welcome and Call To Order** – The meeting was called to order at 10:02 a.m.
  - Public Comment** – No public comment.
  - Approval of Meeting Minutes from March 11, 2024** –  
**Motion: Councilor Stapleton made a motion to accept the minutes. This was seconded by Councilor Gonzales. Motion was approved 3-0.**
  - Strategy EN 12 – Upgrades to Salem Navigation Center – Marissa West (RHT Energy) and Luke Gmzel (City of Salem, Engineer)**
    - Energy Trust of Oregon enrolled this project in 2021, providing early design assistance for \$2,500.
    - Standard incentive route offered \$4,700 cash incentives for energy efficient features, resulting in approximately 4,930 annual kWh savings and 657 annual therm savings.
    - City upgraded lighting to LEDs and electrical setup to be solar-ready, anticipating a future roof replacement, solar panels weren't installed.
  - Strategy EN 23 – In-pipe micro hydroelectric generation – Jason Pulley (City of Salem, Utilities Program Manager) and Keith Garlinghouse (City of Salem, Utilities Engineer)**
    - The potable water utilities infrastructure at Franzen Revisor and Turner Control Facility is upstream from the City of Salem. To avoid impacting downstream pipes and plumbing, the water moving from upstream to downstream needs to attain reduced pressure (burn head).
    - Currently, the water pressure is reduced at Franzen Revisor and Turner Control Facility by adjusting a ball valve.
    - This project proposes an alternative method to reduce pressure using a bypass pipe. The excess pressure would turn a turbine in the bypass pipe to generate energy.
    - Estimated annual energy production: 602,000 kWh at Franzen Revisor and 858,000 kWh at Turner Control, equivalent to power for approximately 150 homes.

- Projected costs: \$1.4 million at each site, with the city's portion estimated at ~\$350,000 after incentives and rebates.
- Payback estimates initially assumed net metering which would not be feasible at the sites due to low energy demand.
- City council approved the planning grant application submitted on May 9, aiming to create a shovel-ready project, which is more desirable when obtaining funding.
- Energy generated would be resilient to power outages, a unique feature of this renewable power option.

**6. Strategy CM 01 – Marion County Public Health Environmental Health Hazards data – Michael Keuler (Marion County Public Health)**

- Environmental Health Resiliency Program is conducting an Environmental Scan.
- There has been an increase in extreme heat (90+ degree days), which correlates with higher incidences of heat-related illnesses.
- The 97301-zip code in Salem has the highest incidence rates of heat-related illnesses.
- Urban Heat Island effect may exacerbate heat-related illnesses, particularly affecting older populations and those who are unsheltered.
- Salem residents have a higher incidence rate of cold-related illnesses than Marion County or Oregon.
- People experiencing homelessness account for about 40% of the incidence of cold-related illnesses.
- Air quality-related respiratory illnesses are increasing, particularly on days with moderate or worse air quality index (AQI).
- Zip codes 97301 and 97305 in Salem have the highest incidence rates of air-quality related illnesses.
- Next steps for Marion County Public Health include planning for legionella & vector-borne illness, environmental hazards & health improvement plans, and communication planning.

**7. Climate Action Plan Updates**

- Energy Efficiency and Conservation Block Grant application submitted April 10.
- Applied to Oregon Department of Energy Community Renewable Energy Program May 9.
- In the RFP process for Municipal Energy Master Plan.

**8. Adjourn**

Next Meeting: Monday, July 8, 10:00 a.m., in-person/virtual

The meeting adjourned at 11:07 a.m.

The PowerPoint presentations are available upon request. Please contact [jdouglas@cityofsalem.net](mailto:jdouglas@cityofsalem.net). You may view the recorded meeting at <https://www.youtube.com/watch?v=iDcqzs4As1U&t=41s>



The **Energy Savings Performance Contracting (ESPC) Campaign** engages states, local governments, K-12 school districts, universities, and other market stakeholders to support, expand and enhance ESPC through the sharing and adoption of best practices to achieve significant energy, environmental, and cost savings benefits.

Through no-cost access to U.S. Department of Energy (DOE) technical assistance, the ESPC Campaign works with partners to strengthen ESPC knowledge and technical capacity, implement best practices, maximize the impact of projects and programs, and demonstrate measured and verified results.

**Goal:** Partners will collectively achieve \$1 billion in measured and verified savings.

## Partnership Pathways

### Participant

**Participants** are public sector agencies and building owners who can join as **Campaign Leaders** or **ESPC Champions**.

As a participant, your organization can:

- Access ESPC Campaign resources and technical expertise.
- Engage in peer-to-peer learning.
- Achieve organizational goals and showcase results with measured and verified (M&V) data.
- Network with industry professionals.
- Demonstrate leadership and receive recognition for exemplary projects and programs, applying best practices, and achieving savings goals.

### Supporter

**Supporters** are market stakeholders including energy service companies, owner's representatives, financial institutions, utilities, and others.

As a supporter, your organization can:

- Demonstrate support for ESPC and M&V best practices.
- Promote the ESPC Campaign to your members or customers.
- Share expertise and engage with participants around the promotion and implementation of ESPC.
- Access ESPC Campaign resources.
- Receive recognition through the ESPC Campaign website.

To sign up or learn more, please visit  
<https://www.energy.gov/scep/espccampaign>  
or contact us at [ESPCCampaign@hq.doe.gov](mailto:ESPCCampaign@hq.doe.gov).





## Salem, OR 2021 GHG Inventory Updates

April, 2024

Matthew Katz, Senior Program Officer, ICLEI USA

Upon examination of Salem’s 2021 GHG Inventory, ICLEI USA staff located two errors within the wastewater sector. Staff also made suggestions for improvement within the transportation sector. The table below describes the errors/suggestions and shows the change in emissions compared to the original results.

Error/Suggestion	Notes	Emissions change (MT CO2e)	Percent difference from original emissions (%)	Emissions change compared to new total (%)
Error: Wastewater data represented WWTP service population, rather than city population.	Since the WWTP is outside Salem’s physical boundary, the Community-wide inventory should only capture wastewater emissions associated with the city’s population.	-890 MT CO2e	-16.80%	0.07%
Error: Wastewater treatment process N2O emissions were not included	This represents N2O emissions from centralized wastewater treatment facilities.	+225 MT CO2e	N/A	0.02%
Suggestion: Update On Road Transportation emissions factors to 2021 emissions factors.	This is standard in GHG inventories - when representative data is not available, previous year data is utilized. At the time of producing the inventory, 2021 On Road Transportation emissions factors (EFs) were not available. Now that 2021 EFs are available, we incorporated them.	-19,887 MT CO2e	-3.99%	1.59%
Suggestion: Incorporate Off Road Transportation/Mobi	Granular data was not widely available during the creation	+35,694 MT CO2e	N/A	2.86%





le Source activity.	of the inventory. Now that the EPA has released more granular data within their <a href="#">National Emissions Inventory</a> , we incorporated this data. This data is at the county level, which was downscaled to represent the city.			
---------------------	---	--	--	--



This work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License. It may not be used for any commercial purpose. Any non-commercial use of this material must provide attribution to ICLEI Local Governments for Sustainability USA.

