



Eugene City Council

125 E. 8th Ave., 2nd Floor
Eugene, OR 97401-2793
541-682-5010 • 541-682-5414 Fax
www.eugene-or.gov

EUGENE CITY COUNCIL AGENDA

February 10, 2016

12:00 PM CITY COUNCIL WORK SESSION

Harris Hall

125 East 8th Avenue

Eugene, Oregon 97401

Meeting of February 10, 2016;
Her Honor Mayor Kitty Piercy Presiding

Councilors

George Brown, President	Pat Farr, Vice President
Mike Clark	George Poling
Chris Pryor	Claire Syrett
Betty Taylor	Alan Zelenka

CITY COUNCIL WORK SESSION

Harris Hall

**12:00 p.m. A. WORK SESSION:
Town/Gown Briefing**

**12:30 p.m. B. WORK SESSION:
Introduction to a Science-Based Greenhouse Gas Target**

**time approximate*

with 48 hours' notice prior to the meeting. Spanish-language interpretation will also be provided with 48 hours' notice. To arrange for these services, contact the receptionist at 541-682-5010. City Council meetings are telecast live on Metro Television, Comcast channel 21, and rebroadcast later in the week.

City Council meetings and work sessions are broadcast live on the City's Web site. In addition to the live broadcasts, an indexed archive of past City Council webcasts is also available. To access past and present meeting webcasts, locate the links at the bottom of the City's main Web page (www.eugene-or.gov).

El Consejo de la Ciudad de Eugene aprecia su interés en estos asuntos de la agenda. El sitio de la reunión tiene acceso para sillas de ruedas. Hay accesorios disponibles para personas con afecciones del oído, o se les puede proveer un interprete avisando con 48 horas de anticipación. También se provee el servicio de interpretes en idioma español avisando con 48 horas de anticipación. Para reservar estos servicios llame a la recepcionista al 541-682-5010. Todas las reuniones del consejo estan gravados en vivo en Metro Television, canal 21 de Comcast y despues en la semana se pasan de nuevo.

For more information, contact the Council Coordinator at 541-682-5010,

[visit us online at www.eugene-or.gov](http://www.eugene-or.gov)

EUGENE CITY COUNCIL

AGENDA ITEM SUMMARY



Work Session: Town/Gown Briefing

Meeting Date: February 10, 2016
 Department: Central Services
www.eugene-or.gov

Agenda Item: A
 Staff Contact: Sarah Medary
 Contact Telephone Number: 541-682-8817

ISSUE STATEMENT

The town/gown briefing is an opportunity to update the council on various projects and partnerships of strong mutual interest between the City of Eugene and the University of Oregon. The focus of this initial briefing will be an update on the University's progress in addressing sexual violence prevention, response and survivor support.

BACKGROUND

The City of Eugene and University of Oregon have a long-standing partnership that dates back to the founding of the University in 1876. In 2016, the University of Oregon continues to be an essential and prominent part of the community. With current enrollment at approximately 24,000 and limited on-campus housing, a large percentage of students call every neighborhood in Eugene home. The University is also the largest employer in the community, providing jobs to over 4,800 individuals.

The University and City work closely together to leverage opportunities that advance community and organizational goals. The Regional Accelerator and Innovation Network (RAIN) is a great example of the ways higher education, business and government can work together to accelerate the formation, growth and retention of new technology businesses and create a seamless ecosystem for innovation in the region. The University and City also partner to solve shared challenges such as issues related to neighborhood livability.

The briefing will be an opportunity to hear about the opportunities and shared challenges and will periodically include presentations by University staff.

COUNCIL OPTIONS

The briefing is information only

CITY MANAGER'S RECOMMENDATION

The briefing is information only

Item A.

SUGGESTED MOTION

No motion necessary – the briefing is information only

FOR MORE INFORMATION

Staff Contact: Sarah Medary

Telephone: 541-682-8817

Staff E-Mail: sarah.j.medary@ci.eugene.or.us

EUGENE CITY COUNCIL

AGENDA ITEM SUMMARY



Work Session: Introduction to a Science-Based Greenhouse Gas Target

Meeting Date: February 10, 2016
 Department: Central Services
www.eugene-or.gov

Agenda Item Number: B
 Staff Contact: Matt McRae
 Contact Telephone Number: 541-682-5649

ISSUE STATEMENT

This work session is the second in a series of presentations to provide information on a science-based community greenhouse gas reduction goal named in the Climate Recovery Ordinance adopted in July 2014. The purpose of this work session is to provide the council with an overview and scientific basis of the concept of a carbon budget. Subsequent work sessions will address actions outlined in the Climate Recovery Ordinance.

BACKGROUND

Climate Recovery Ordinance

Adopted by the council in July 2014, the Climate Recovery Ordinance calls for the City to “propose for adoption by the City Council, a numerical community-wide goal or ‘carbon budget’ for greenhouse gas emission reductions consistent with achieving 350 parts per million of CO₂ in the atmosphere by the year 2100.”

Key Findings from Climate Science

As presented at a December work session on this topic, greenhouse gas emissions stay in the atmosphere for decades to centuries. Therefore, reducing the emissions in any one year is not the goal, rather, reducing total cumulative emissions is effective. This was the focus of recent global negotiations at COP21 in Paris.

In 2009, world leaders came to an agreement that nations would aim to increase temperatures no more than 2°C in order to avoid the worst effects of climate change. The concern is that somewhere at or near 2°C of warming (above pre-industrial temperatures), natural processes called feedbacks begin to magnify the warming and we lose the ability to avoid runaway climate change.

Based on the climate impacts already occurring, a growing number of scientists suggest that there is great risk of unstoppable warming as we approach 2°C. They suggest keeping CO₂ to 350 ppm to limit temperature rise to safer levels.

Eugene has an opportunity to have a positive impact on warming by reducing emissions consistent with this science.

Carbon Budget

A carbon budget is a total amount of carbon emissions that can be released over time while still remaining within a safe limit – in this case 350 ppm as identified in the ordinance is a concentration that is expected to limit warming to 1.8°F over pre-industrial temperatures.

The budget is based on *total cumulative GHG emissions* released since the beginning of the industrial revolution and extends to the year 2100.

The concept of a science-based carbon budget is informed by a global prescription for capping carbon emissions developed by climate scientists at NASA's Goddard Institute for Space Studies and Columbia University. It has been scaled for Eugene using a methodology that has been peer-reviewed and uses the best information currently available.

RELATED CITY POLICIES

The City maintains a number of policies directly related to community-wide energy consumption including, but not limited to:

- Growth Management Policies
- Green Building Policy (2006)
- Sustainability Resolution (2000)
- Environmental Policy
- Sustainable Practices Resolution (2006)
- Sustainable Procurement Policy (2008)
- Community Climate and Energy Action Plan (2010)
- Internal Climate Action Plan (2009)

COUNCIL OPTIONS

This is an information item only.

CITY MANAGER'S RECOMMENDATION

The City Manager does not have a recommendation at this time.

SUGGESTED MOTION

No motions provided.

ATTACHMENTS

- A. Climate Recovery Ordinance

FOR MORE INFORMATION

Staff Contact: Matt McRae
Telephone: (541) 682-5649

Staff E-Mail: matt.a.mcrae@ci.eugene.or.us



COUNCIL ORDINANCE NO. 20540

COUNCIL BILL 5124

**AN ORDINANCE CONCERNING CLIMATE RECOVERY
AND ADDING SECTIONS 6.675, 6.680, 6.685, AND 6.690
TO THE EUGENE CODE, 1971.**

ADOPTED: July 28, 2014

SIGNED: July 29, 2014

PASSED: 6:2

REJECTED:

OPPOSED: Clark, Poling

ABSENT:

EFFECTIVE: August 29, 2014



ORDINANCE NO. 20540

AN ORDINANCE CONCERNING CLIMATE RECOVERY AND ADDING SECTIONS 6.675, 6.680, 6.685, AND 6.690 TO THE EUGENE CODE, 1971.

THE CITY OF EUGENE DOES ORDAIN AS FOLLOWS:

Section 1. Sections 6.675, 6.680, 6.685, and 6.690 of the Eugene Code, 1971, are added to provide as follows:

6.675 **Climate Recovery – Climate Action Goals.** The city shall carry out the requirements of sections 6.680 through 6.690 of this code in order to achieve the following goals:

- (1) By the year 2020, all city-owned facilities and city operations shall be carbon neutral, either by reducing greenhouse gas emissions to zero, or, if necessary, by funding of verifiable local greenhouse gas reduction projects and programs or the purchase of verifiable carbon offsets for any remaining greenhouse gas emissions.
- (2) By the year 2030, the city organization shall reduce its use of fossil fuels by 50% compared to 2010 usage.
- (3) By the year 2030, all businesses, individuals and others living or working in the city collectively shall reduce the total (not per capita) use of fossil fuels by 50% compared to 2010 usage.

6.680 **Climate Recovery – Assessment.** Within six months of ____ [*effective date of this ordinance*], the city manager or the manager's designee shall complete an assessment of current efforts to reach the climate action goals. The assessment shall include a review and analysis of the following:

- (1) Trends in current energy use for the community and for city operations and facilities; and
- (2) Progress in implementing the community climate and energy action plan and the internal climate action plan.

6.685 **Climate Recovery – Targets & Benchmarks.** To reach the climate action goals, the city council shall establish numerical targets and benchmarks, and take other actions that the council determines are necessary, for achieving the required reductions through the following steps:

- (1) Within 12 months of ____ [*effective date of this ordinance*], the city manager shall propose for adoption by the city council the following targets and benchmarks:

- (a) Numerical greenhouse gas and fossil fuel reduction targets equivalent to achieving the related goals; and
 - (b) Two-year and five-year benchmarks for reaching the numerical targets.
- (2) The city manager shall propose for adoption by the city council, a numerical community-wide goal or “carbon budget” for greenhouse gas emission reductions consistent with achieving 350 parts per million of CO₂ in the atmosphere by the year 2100. The community-wide goal shall include numerical targets and associated benchmarks.
 - (3) The city manager shall adopt administrative rules pursuant to section 2.019 of this code that establish a specified baseline amount and appropriate greenhouse gas inventory methodology.
 - (4) When the city manager prepares options for council consideration pursuant to this section, including options for meeting the goals, the manager shall include a triple bottom line assessment of the options including a cost-benefit analysis.

6.690 **Climate Recovery – Reporting.** Following council adoption of the numerical targets and benchmarks, the city manager shall report to the city council on progress in reaching adopted climate action goals as follows:

- (1) Provide a progress report every two years.
- (2) Provide a comprehensive report every five years that includes an assessment of greenhouse gas emission reductions to date and the status in reaching the established targets and benchmarks. If the five-year comprehensive report indicates that the city is not reaching the adopted targets and benchmarks, the city manager or the manager’s designee shall:
 - (a) Conduct an analysis of possible actions to get back on track to achieve the next adopted benchmark, together with a triple bottom line analysis of those options.
 - (b) Develop for council consideration potential revisions to the plan that reflect the necessary actions to achieve the next adopted benchmark.
- (3) Update the community climate and energy action plan and the internal climate action plan every five years, which shall be based on the updated greenhouse gas inventory.

Section 2. The City Recorder, at the request of, or with the consent of the City Attorney, is authorized to administratively correct any reference errors contained herein,

Item B.

or in other provisions of the Eugene Code, 1971, to the provisions added, amended or repealed herein.

Passed by the City Council this

28th day of July, 2014

Beth Forrest
City Recorder

Approved by the Mayor this

29 day of July, 2014

Kathy Percy
Mayor

Climate Recovery Ordinance
Carbon Budget
February 10, 2016



Overview

1. Review
2. Carbon Budget
3. Council Touchpoints

Climate Recovery Ordinance

1. Clarifies and codifies existing goals:

Reduce community-wide fossil fuel use 50% by 2030
Carbon Neutral City operations by 2020

2. Calls for an assessment of current efforts

Reported to Council February 2015

3. Calls for Targets and Benchmarks to achieve existing goals

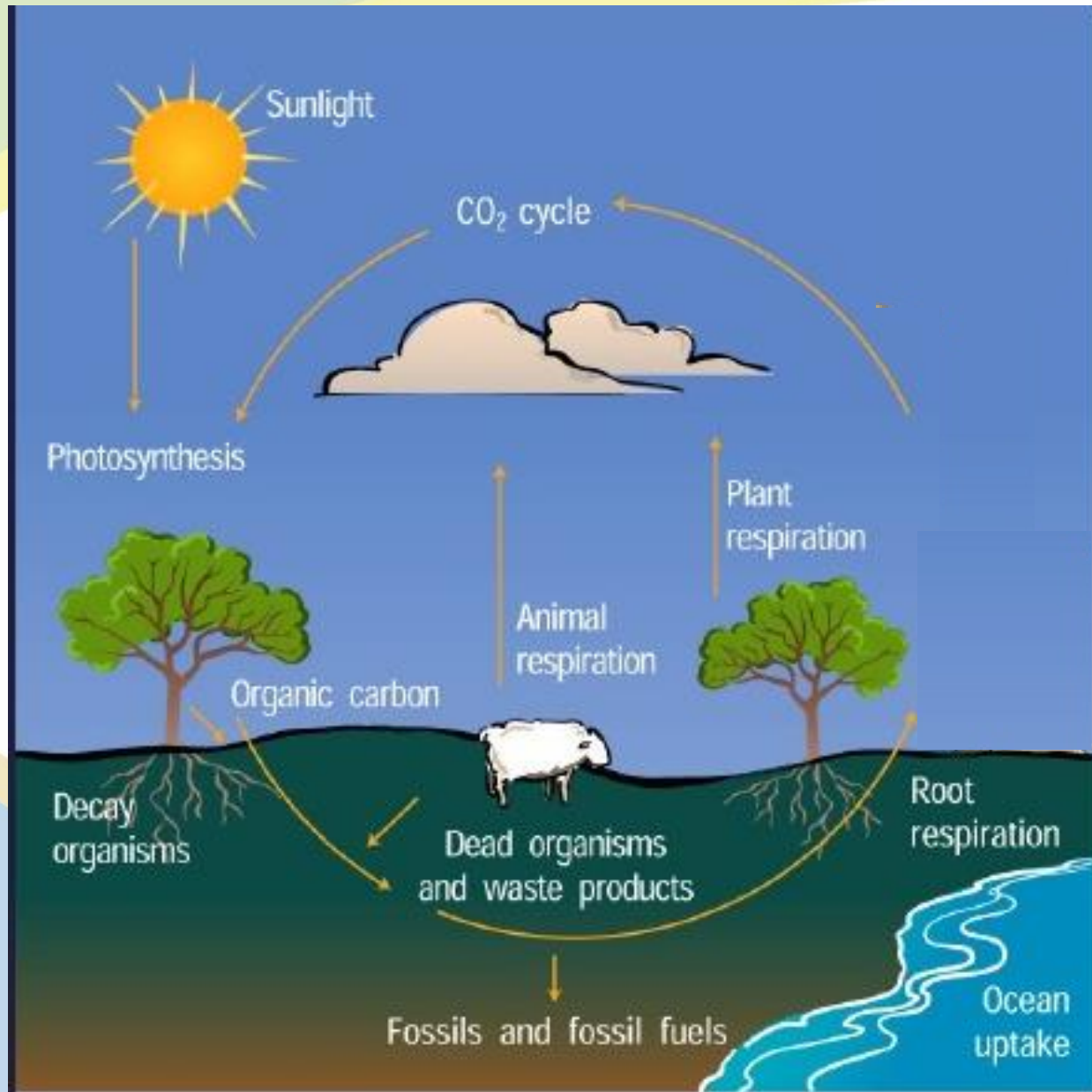
Discussed with Council November 2015

4. Calls for the development of a science-based community greenhouse gas reduction goal

5. Calls for regular progress reports to Council

6. Establishes a process of analysis, reporting, and readjustment if community or internal targets are not met.

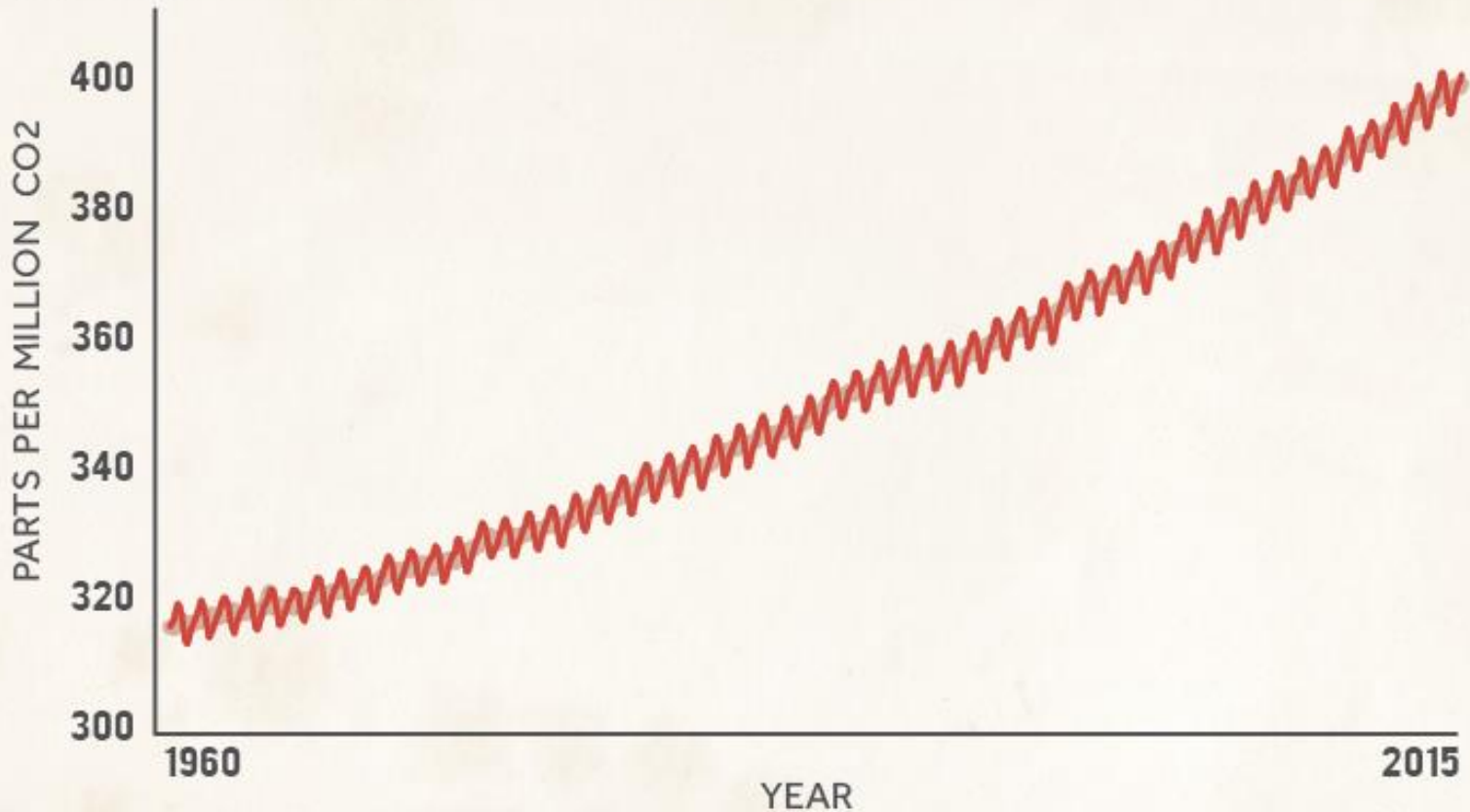
Carbon Cycle



350 ppm

Rising Carbon Dioxide

To 400 PPM And Beyond?



Data: Scripps Institute of Oceanography

CLIMATE CENTRAL

Graphic credit: ClimateCentral.org

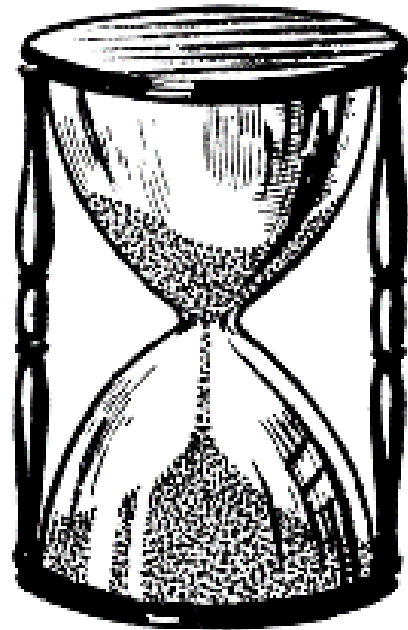
Feedbacks



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Image credit: ClimateCentral.org

What is a Carbon Budget?



Carbon budget remaining

Carbon budget already spent

Basis for Budget



National Aeronautics and Space Administration
Goddard Institute for Space Studies



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UNIVERSITY
OF OREGON

Carbon Budget Benefits

1. Aligns with best available science
2. Outlines necessary reductions to achieve a stable climate
3. Accounts for those emissions already released
4. Provides clarity about our community role
5. Provides fixed amount

Target vs. Budget

Conventional GHG Targets

Incremental decreases over time

Measured reduction over time

“75% reduction by 2050”

Set based on an historic rate of emissions

“75% reduction from 1990 levels”

Based on negotiated target from Kyoto Protocol treaty in 1992

Carbon Budget

Based on total cumulative emissions

Fixed, one-time allocation

9.3 million metric tons CO₂

Set to achieve safe level of CO₂

350ppm and 1°C of warming

Based on best available science of today

Upcoming Council Touchpoints

February – April 2016:

Council consideration and possible action on 350 ppm goal

May 2016:

Update on internal goals and City operations

June 2016:

Council consideration and possible action on numerical targets and benchmarks

Fall 2016:

Progress update

Matt McRae
City of Eugene
(541) 682-5649

Matt.a.mcrae@ci.eugene.or.us

www.eugene-or.gov/sustainability

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February 10, 2016*