

Agenda



Metro

600 NE Grand Ave.
Portland, OR 97232-2736

Meeting: Transportation Policy Alternatives Committee Workshop (TPAC)
Date: Wednesday, February 12, 2025
Time: 9:00 a.m. to 12:00 p.m.
Place: Virtual: [Connect with Zoom](#)
Passcode: 313502 | Phone: 833 548 0276 (Toll Free)

- | | | | |
|------------|----|---|---|
| 9:00 a.m. | 1. | Call meeting to order and introductions | Chair Kloster |
| 9:10 a.m. | 2. | Comments from the Chair and Committee Members <ul style="list-style-type: none">• Committee member updates around the Region (Chair Kloster & all) | |
| 9:15 a.m. | 3. | State Climate Plan Updates <ul style="list-style-type: none">• CPRG:<ul style="list-style-type: none">○ Link to Oregon CPRG planning grant website:
https://www.oregon.gov/deq/ghgp/pages/climate-pollution-reduction-planning-grant.aspx○ Link to Oregon CERTA (CPRG implementation grant) website:
https://www.oregon.gov/deq/ghgp/Pages/certa.aspx• GHG Handbook: Link to CAPCOA GHG handbook site:
https://www.caleemod.com/handbook/index.html• CFEC updates: link to CFEC implementation site:
https://www.oregon.gov/lcd/CL/Pages/CFEC.aspx• Emission website resources: link to Oregon Transportation Emissions website:
https://www.oregontransportationemissions.com/• ODOT Climate Policy Brief: https://www.oregon.gov/odot/Planning/Documents/OR-Plan_Policy_Briefs.pdf | Morgan Schaefer, DEQ
Cody Meyer, DLC
Tara Weidner, ODOT |
| 10:15 a.m. | 4. | <u>MEETING BREAK</u> | |
| 10:20 a.m. | 5. | MetroMap and Quick Facts Viewer

Purpose: Demonstrate two new tools from Metro's Data Resource Center that provide easy access to authoritative regional GIS data and demographic statistics. <ul style="list-style-type: none">• <i>MetroMap</i>: https://gis.oregonmetro.gov/metromap/• <i>The Quick Facts Viewer</i>: https://gis.oregonmetro.gov/quickfacts-viewer | Madeline Steele, Metro |
| 10:40 a.m. | 6. | * Cooling Corridors Study Update | André Lightsey-Walker
& Joe Gordon, Metro |
| 11:05 a.m. | | ADJOURN | Chair Kloster |

*Material included in meeting notice packet

**Material presented at meeting

All materials will be available electronically post each meeting

The meeting location is accessible to persons with disabilities. A request for an interpreter for the hearing impaired or for other accommodations for persons with disabilities should be made at least 48 hours before the meeting to [Jessica Martin, 503-797-1918, jessica.martin@oregonmetro.gov](mailto:jessica.martin@oregonmetro.gov)

Metro respects civil rights

Metro fully complies with Title VI of the Civil Rights Act of 1964, Title II of the Americans with Disabilities Act, Section 504 of the Rehabilitation Act and other statutes that ban discrimination. If any person believes they have been discriminated against regarding the receipt of benefits or services because of race, color, national origin, sex, age or disability, they have the right to file a complaint with Metro. For information on Metro's civil rights program, or to obtain a discrimination complaint form, visit oregonmetro.gov/civilrights or call 503-797-1890. Metro provides services or accommodations upon request to persons with disabilities and people who need an interpreter at public meetings. If you need a sign language interpreter, communication aid or language assistance, call 503-797-1890 or TDD/TTY 503-797-1804 (8 a.m. to 5 p.m. weekdays) 5 business days before the meeting. All Metro meetings are wheelchair accessible. Individuals with service animals are welcome at Metro facilities, even where pets are generally prohibited. For up-to-date public transportation information, visit TriMet's website at trimet.org

Thông báo về sự Metro không kỳ thị của

Metro tôn trọng dân quyền. Muốn biết thêm thông tin về chương trình dân quyền của Metro, hoặc muốn lấy đơn khiếu nại về sự kỳ thị, xin xem trong www.oregonmetro.gov/civilrights. Nếu quý vị cần thông dịch viên ra dấu bằng tay, trợ giúp về tiếp xúc hay ngôn ngữ, xin gọi số 503-797-1700 (từ 8 giờ sáng đến 5 giờ chiều vào những ngày thường) trước buổi họp 5 ngày làm việc.

Повідомлення Metro про заборону дискримінації

Metro з повагою ставиться до громадянських прав. Для отримання інформації про програму Metro із захисту громадянських прав або форми скарги про дискримінацію відвідайте сайт www.oregonmetro.gov/civilrights. або Якщо вам потрібен перекладач на зборах, для задоволення вашого запиту зателефонуйте за номером 503-797-1700 з 8.00 до 17.00 у робочі дні за п'ять робочих днів до зборів.

Metro 的不歧視公告

尊重民權。欲瞭解Metro民權計畫的詳情，或獲取歧視投訴表，請瀏覽網站 www.oregonmetro.gov/civilrights。如果您需要口譯方可參加公共會議，請在會議召開前5個營業日撥打503-797-1700（工作日上午8點至下午5點），以便我們滿足您的要求。

Ogeysiiska takooris la'aanta ee Metro

Metro waxay ixtiraamtaa xuquuqda madaniga. Si aad u heshid macluumaad ku saabsan barnaamijka xuquuqda madaniga ee Metro, ama aad u heshid warqadda ka cabashada takoorista, booqo www.oregonmetro.gov/civilrights. Haddii aad u baahan tahay turjubaan si aad uga qaybqaadatid kullanka dadweyne, wac 503-797-1700 (8 gallinka hore illaa 5 gallinka dambe maalmaha shaqada) shan maalmo shaqo ka hor kullanka si loo tixgaliyo codsashadaada.

Metro의 차별 금지 관련 통지서

Metro의 시민권 프로그램에 대한 정보 또는 차별 항의서 양식을 얻으려면, 또는 차별에 대한 불만을 신고 할 수 www.oregonmetro.gov/civilrights. 당신의 언어 지원이 필요한 경우, 회의에 앞서 5 영업일 (오후 5시 주중에 오전 8시) 503-797-1700를 호출합니다.

Metroの差別禁止通知

Metroでは公民権を尊重しています。Metroの公民権プログラムに関する情報について、または差別苦情フォームを入手するには、www.oregonmetro.gov/civilrights。までお電話ください。公開会議で言語通訳を必要とされる方は、Metroがご要望に対応できるよう、公開会議の5営業日前までに503-797-1700（平日午前8時～午後5時）までお電話ください。

សេចក្តីជូនដំណឹងអំពីការមិនរើសអើងរបស់ Metro

ការគោរពសិទ្ធិពលរដ្ឋរបស់ ១ សំរាប់ព័ត៌មានអំពីកម្មវិធីសិទ្ធិពលរដ្ឋរបស់ Metro ឬដើម្បីទទួលបានពាក្យបណ្តឹងរើសអើងសូមចូលទស្សនាគេហទំព័រ www.oregonmetro.gov/civilrights។
បើលោកអ្នកត្រូវការអ្នកបកប្រែភាសានៅពេលអង្គប្រជុំសាធារណៈ សូមទូរស័ព្ទមកលេខ 503-797-1700 (ម៉ោង 8 ព្រឹកដល់ម៉ោង 5 ល្ងាច ថ្ងៃធ្វើការ) ប្រាំពីរថ្ងៃ ថ្ងៃធ្វើការ មុនថ្ងៃប្រជុំដើម្បីអាចឲ្យគេសម្រួលតាមសំណើរបស់លោកអ្នក ។

إشعار بعدم التمييز من Metro

تحتزم Metro الحقوق المدنية. للمزيد من المعلومات حول برنامج Metro للحقوق المدنية أو لإيداع شكوى ضد التمييز، يُرجى زيارة الموقع الإلكتروني www.oregonmetro.gov/civilrights. إن كنت بحاجة إلى مساعدة في اللغة، يجب عليك الاتصال مقدماً برقم الهاتف 503-797-1700 (من الساعة 8 صباحاً حتى الساعة 5 مساءً، أيام الاثنين إلى الجمعة) قبل خمسة (5) أيام عمل من موعد الاجتماع.

Paunawa ng Metro sa kawalan ng diskriminasyon

Iginagalang ng Metro ang mga karapatang sibil. Para sa impormasyon tungkol sa programa ng Metro sa mga karapatang sibil, o upang makakuha ng porma ng reklamo sa diskriminasyon, bisitahin ang www.oregonmetro.gov/civilrights. Kung kailangan ninyo ng interpreter ng wika sa isang pampublikong pulong, tumawag sa 503-797-1700 (8 a.m. hanggang 5 p.m. Lunes hanggang Biyernes) lima araw ng trabaho bago ang pulong upang mapagbigyan ang inyong kahilingan.

Notificación de no discriminación de Metro

Metro respeta los derechos civiles. Para obtener información sobre el programa de derechos civiles de Metro o para obtener un formulario de reclamo por discriminación, ingrese a www.oregonmetro.gov/civilrights. Si necesita asistencia con el idioma, llame al 503-797-1700 (de 8:00 a. m. a 5:00 p. m. los días de semana) 5 días laborales antes de la asamblea.

Уведомление о недопущении дискриминации от Metro

Metro уважает гражданские права. Узнать о программе Metro по соблюдению гражданских прав и получить форму жалобы о дискриминации можно на веб-сайте www.oregonmetro.gov/civilrights. Если вам нужен переводчик на общественном собрании, оставьте свой запрос, позвонив по номеру 503-797-1700 в рабочие дни с 8:00 до 17:00 и за пять рабочих дней до даты собрания.

Avizul Metro privind nediscriminarea

Metro respectă drepturile civile. Pentru informații cu privire la programul Metro pentru drepturi civile sau pentru a obține un formular de reclamație împotriva discriminării, vizitați www.oregonmetro.gov/civilrights. Dacă aveți nevoie de un interpret de limbă la o ședință publică, sunați la 503-797-1700 (între orele 8 și 5, în timpul zilelor lucrătoare) cu cinci zile lucrătoare înainte de ședință, pentru a putea să vă răspunde în mod favorabil la cerere.

Metro txoj kev ntxaug daim ntauw ceeb toom

Metro tributes cai. Rau cov lus qhia txog Metro txoj cai kev pab, los yog kom sau ib daim ntauw tsis txaus siab, mus saib www.oregonmetro.gov/civilrights. Yog hais tias koj xav tau lus kev pab, hu rau 503-797-1700 (8 teev sawv ntxov txog 5 teev tsaus ntuj weekdays) 5 hnub ua hauj lwm ua ntej ntawm lub rooj sib tham.

Cooling Corridors Study

This project offers the opportunity to develop a data informed approach on ways to increase regional resilience to extreme heat in future work, including an updated 2040 Vision.

Introduction

The Portland-Vancouver region, like many places in the world, is experiencing the impact of global climate change in the form of more frequent and longer periods of extreme heat at higher temperatures, with higher impacts to people of color, older adults, and low-income and unhoused people. These effects on people are compounded by damage to the natural environment and critical infrastructure, such as buckling roads and transit rail lines, and heat-related power outages.

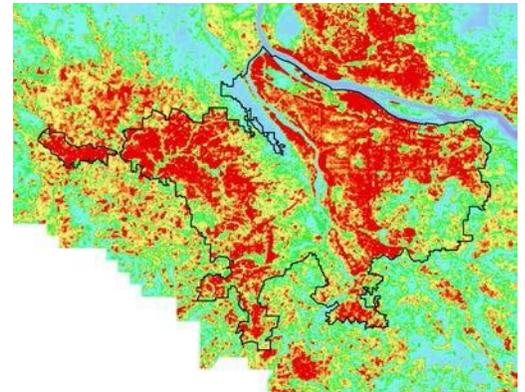
Project description

The project team will engage and partner with subject matter experts, community-based organizations, and other jurisdictions to learn how other places across the country and the world are addressing more frequent, intense and prolonged extreme heat events. The project team will identify areas of heat risk, paired with potential intervention strategies. The strategies will be identified through best practices research, a review of federal guidance and governmental tools and programs, and engagement with expert panels and community-based organizations. This work will identify the benefits of a regional approach and how it could guide future policies and investment decisions.

Project outcomes

Research findings and recommendations will be summarized in a final report that includes:

- **Research on existing efforts and best practices** in the region and among peer regions, including cost-effectiveness and benefits of different approaches.



Metro heat mapping analysis

- **Regional geographic information system (GIS) analysis** (e.g., heat island mapping, topography, hydrology, meteorology, land cover, tree canopy) to visualize heat risk areas, existing cooling corridors and potential opportunities to connect existing cooling corridors.
- **Equity analysis** to understand which geographic areas and communities in the region are disproportionately affected by urban heat.
- **Implementation recommendations** on opportunities to help make the region cooler and provide relief during extreme heat events.
- **A network of subject matter experts, community-based organizations, and jurisdictions** to engage in heat resiliency projects and strategies for funding.

Project timeline



Materials following this page were distributed at the meeting.



Oregon's Comprehensive Climate Action Plan

Oregon Department of Environmental Quality

Oregon Department of Energy

Amy Schlusser (she/her) Senior Climate Action Policy Analyst, ODOE, amy.r.schlusser@energy.oregon.gov

Morgan Schafer (she/her) Climate Pollution Investments Coordinator, ODEQ, Morgan.Schafer@deq.Oregon.gov

Oregon Transportation Emissions Website

ODOT Climate Policy Brief

Metro TPAC Workshop

February 12th 2025

Oregon Transportation Emissions Website

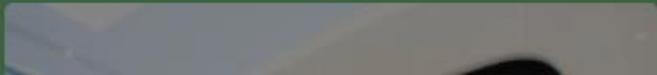
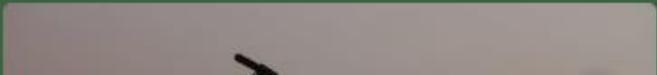
<https://www.oregontransportationemissions.com/>

OREGON TRANSPORTATION EMISSIONS

[ACTION CATEGORIES](#) [ABOUT THE PROJECT](#) [RESOURCES](#)

Oregon state agencies and local governments are working together to reduce greenhouse gas emissions from transportation to 80% below 1990 levels by 2050.

To reach our goal, we're working in six transportation categories to reduce growth in vehicle miles traveled, and to clean up each vehicle mile. Click each tile below to learn more.



2023 Website Explains & Tracks progress on STS Roadmap

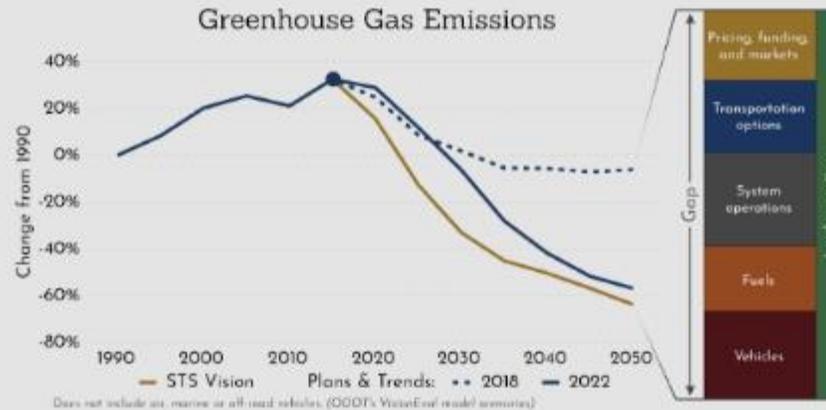


OREGON TRANSPORTATION EMISSIONS

Oregon state agencies are working to reduce greenhouse gas levels by 2050.

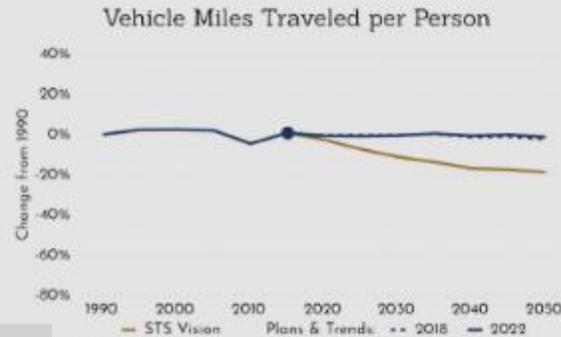
One Goal Closing the gap: how Oregon can reach 80% reduction by 2050

Under current state programs, policies and laws, the latest analysis in 2022 forecasts Oregon greenhouse gas emissions reduction will reach nearly 60% below 1990 emission levels by 2050. That's short of the 80% reduction goal. To get the rest of the way there, state agencies and the legislature have to do more in both objectives, and across all categories of actions.

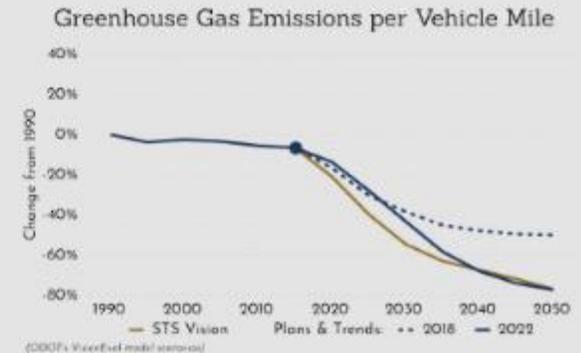


Two objectives

Reduce growth in vehicle miles traveled



Clean up each vehicle mile



To reduce
in vehicle
learn

2023 Website Explains & Tracks progress to the STS Roadmap

OREGON TRANSPORTATION EMISSIONS

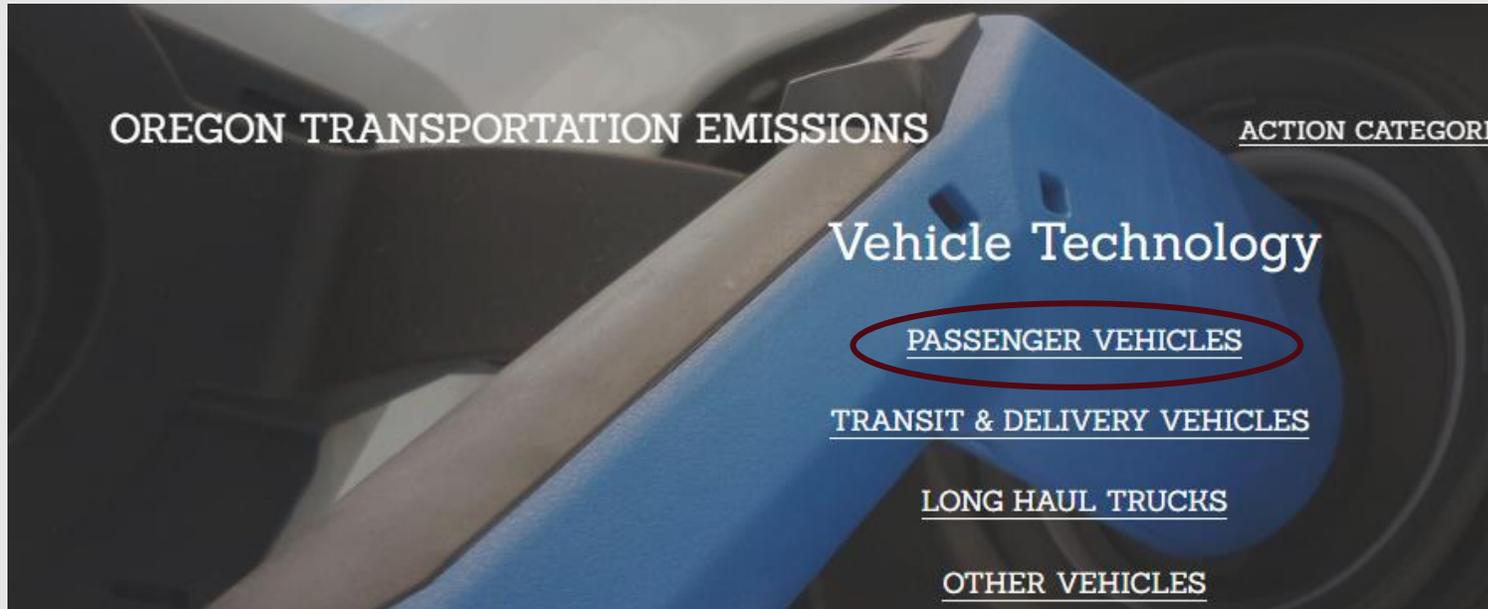


Oregon
reduce
levels



Tracks progress to the STS Roadmap

Passenger Vehicle Strategy page

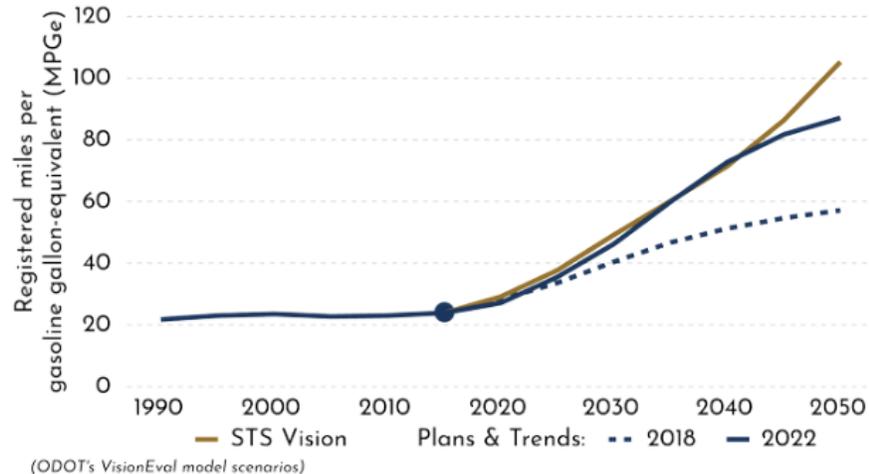


Vehicle Technology	2025	2050
Passenger vehicles overall	🟡	🟢
Vehicle mix	🟡	🟢
Fuel efficiency	🟡	🟡
Battery range	🟢	🟢
SUV & truck share	🟡	🟡
Vehicle age	🟡	🟡

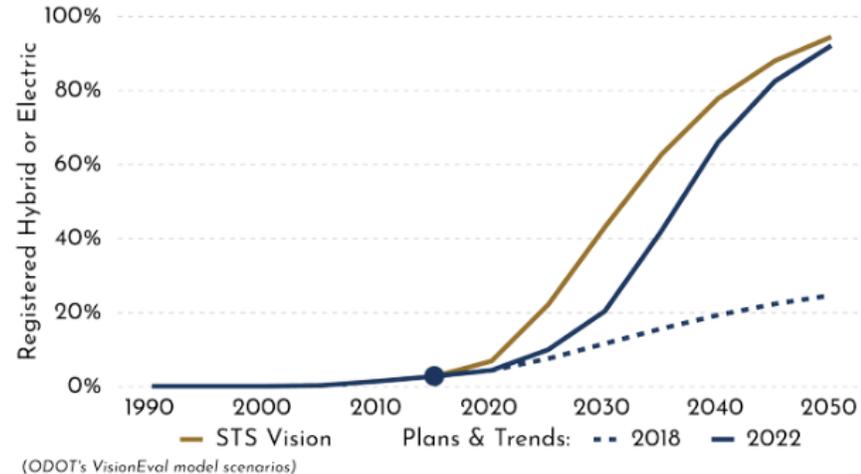
🟢 meets or exceeds goals 🟡 strong progress towards goals 🟠 little or no progress towards goals 🟡 moves away from goals

* = not tracked

Passenger Vehicle Efficiency



Passenger Vehicle Powertrain



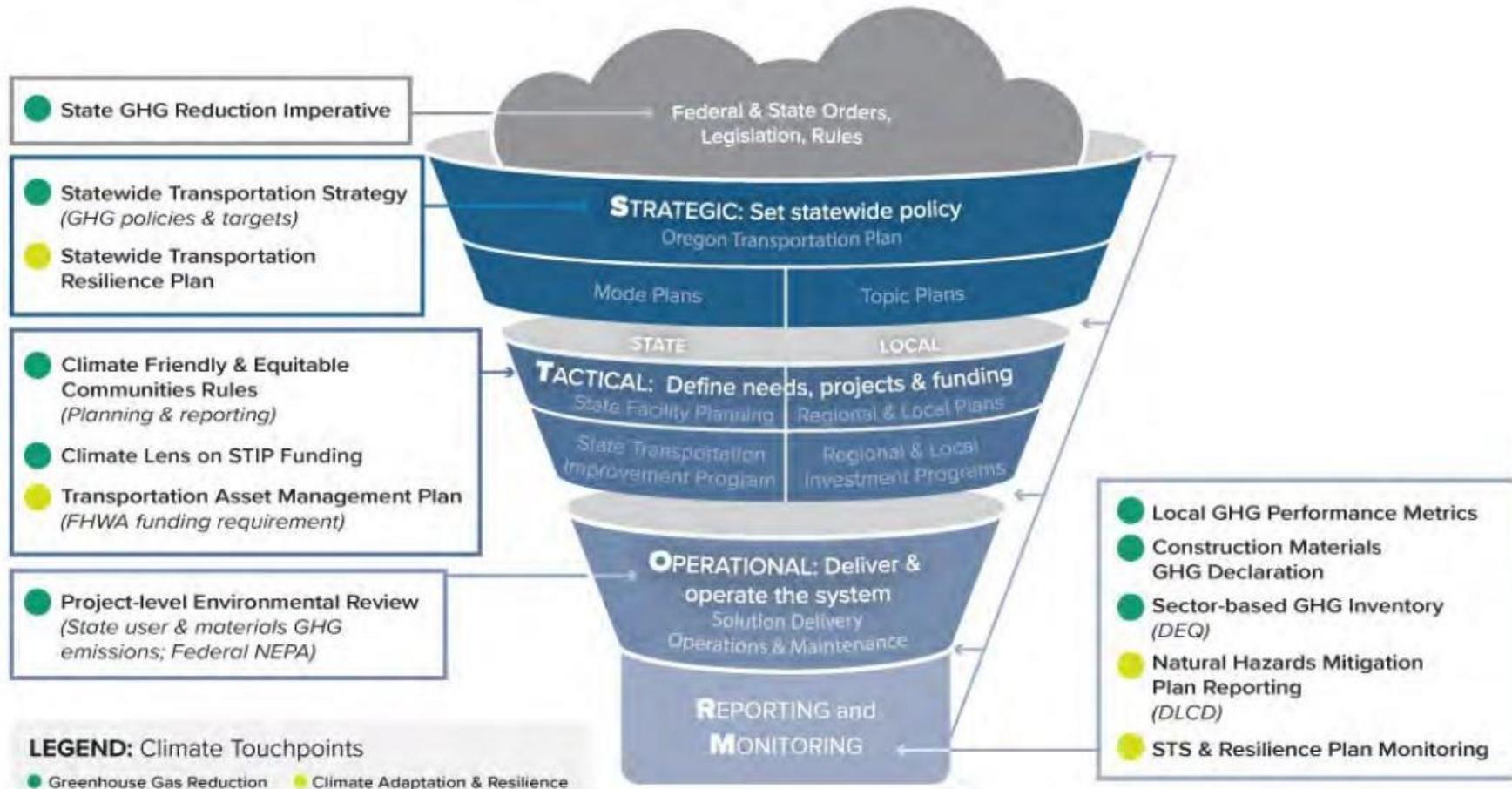
ODOT Climate Policy Brief

https://www.oregon.gov/odot/Planning/Documents/OR-Plan_Policy_Briefs.pdf

Policy briefs call attention to important statewide policy considerations, relationships, and guidance for use by planners, engineers, implementers and community members.



Climate touchpoints in the transportation planning process



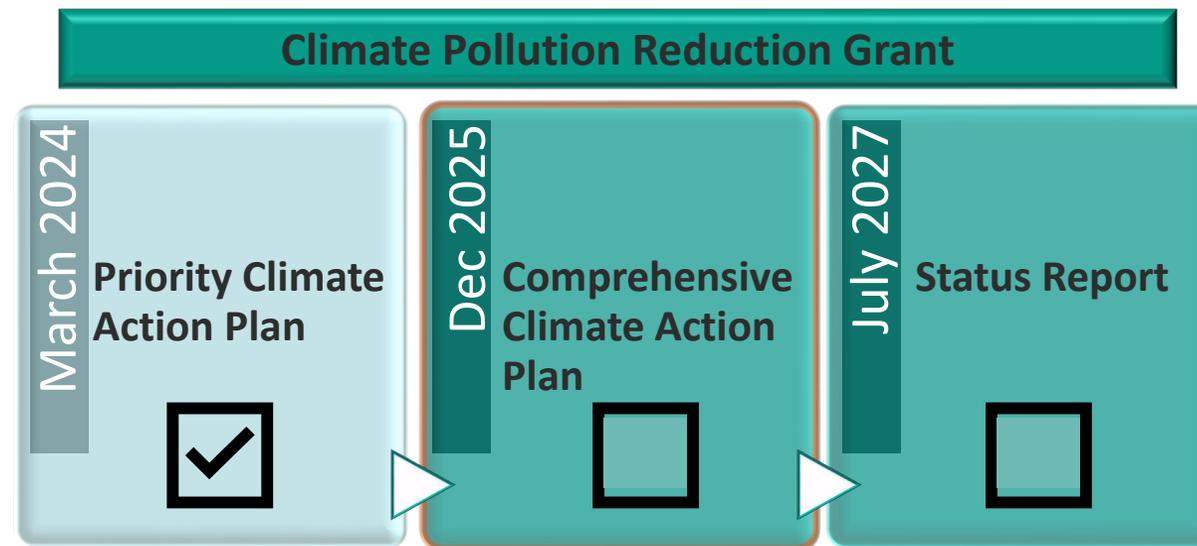


Agenda

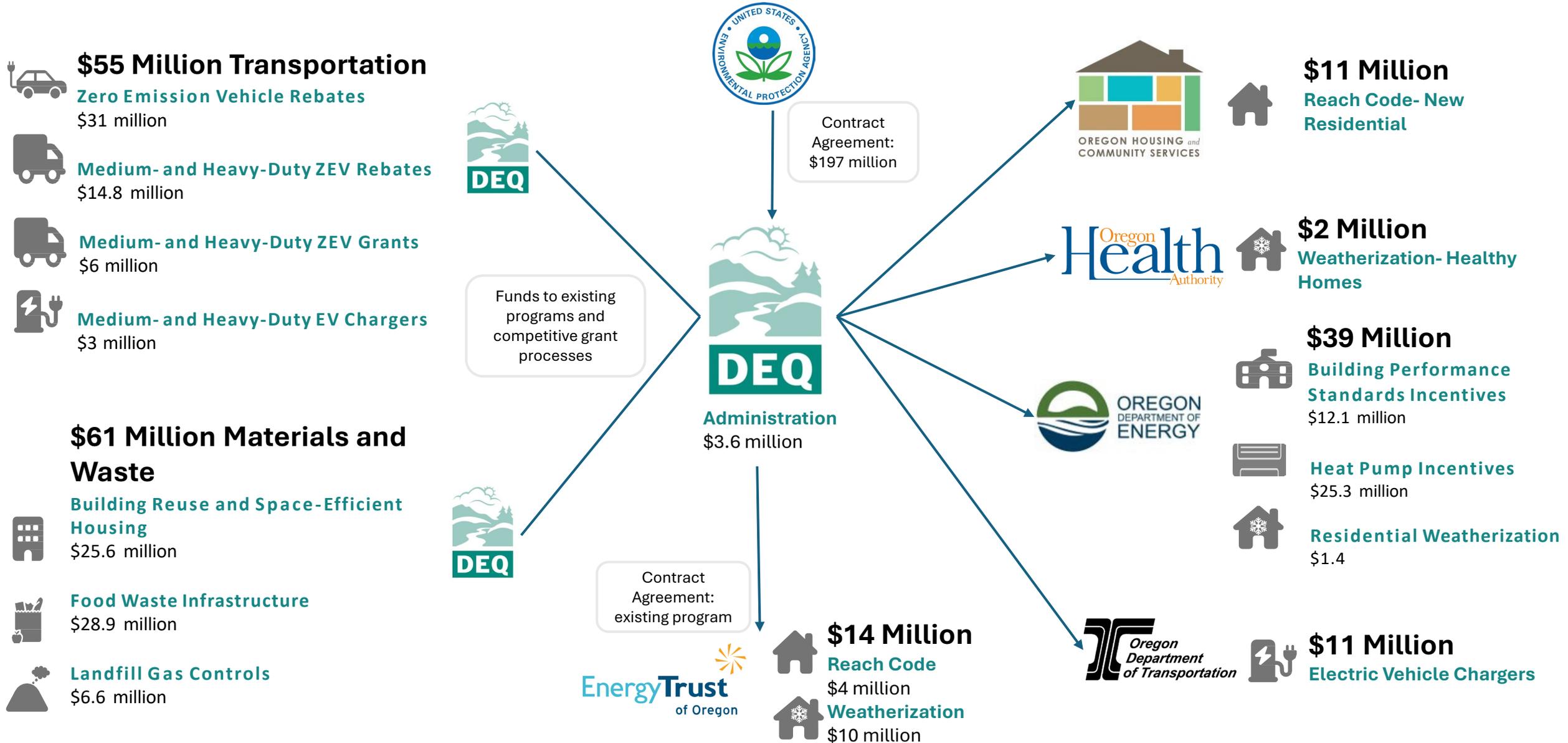
- Climate Pollution Reduction Planning Grant
- Oregon's Comprehensive Climate Plan Overview
- GHG Reduction measures
- Engagement opportunities
- Questions

Climate Pollution Reduction Planning Grant

- The [Comprehensive Climate Action Plan](#) is the second of three requirements for the EPA's [Climate Pollution Reduction Grant](#)

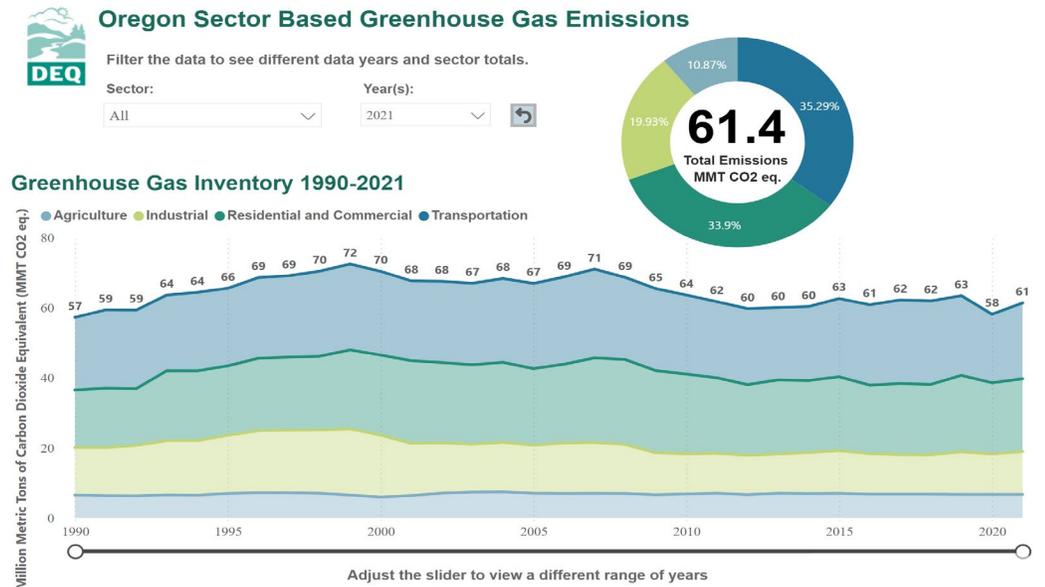


Climate Equity and Resilience Through Action



CCAP Requirements

- Updated GHG Inventories
- GHG targets and forecast
- Quantified GHG Reduction Measures:
 - GHG and Co-pollutants
 - Costs and potential funding sources
 - Benefits analysis
 - Authority to implement
 - Gaps
- Workforce Planning
- Engagement





Leveraging work and partnerships

DEQ

- Updated consumption-based Inventory and policy recommendations
- Updated sector-based inventory
- Statewide outreach and engagement

ODOE

- Transformational Integrated Green House Gas Emissions Reduction Report 2.0
- Oregon Statewide Energy Strategy
- Net Biological Carbon Sequestration and Storage Inventory
- Workforce needs assessment (OSES and NWL)

Shared

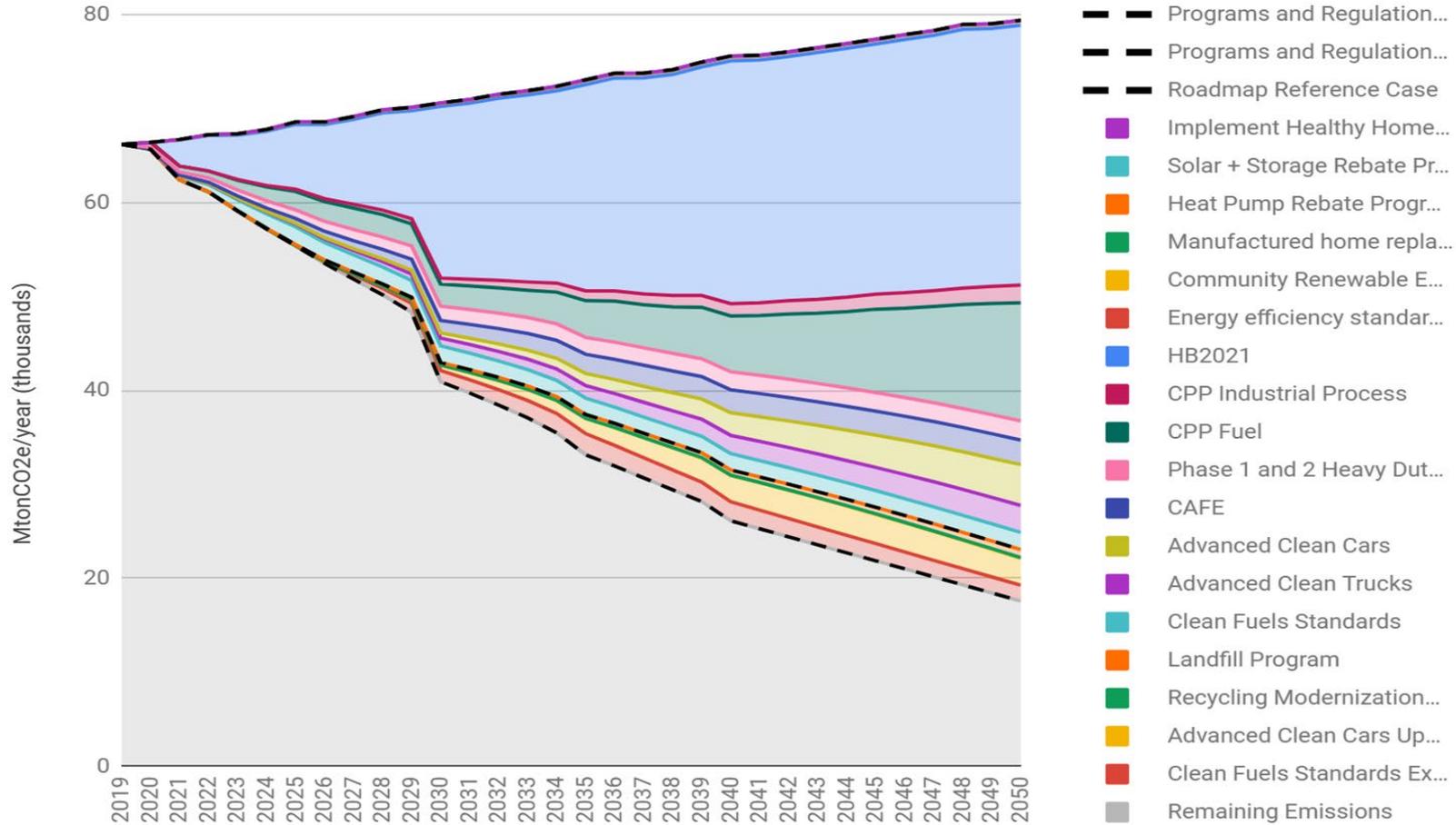
- Gap Analysis
- Compiling existing climate plans and resources
- Culminating final report

Transformational Integrated Greenhouse Gas Emissions Reduction Analysis (TIGHGER)

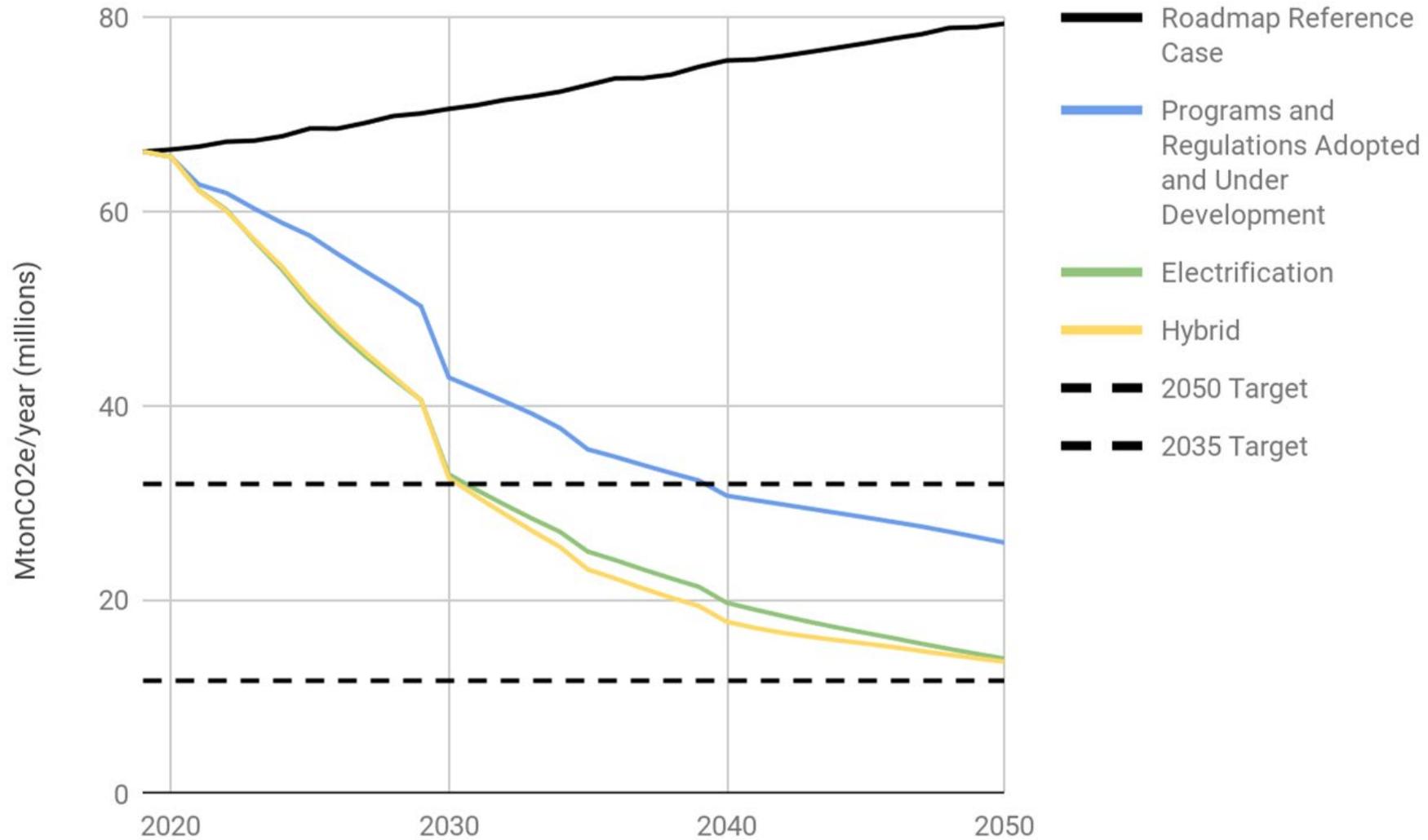
- Modeling forecasts GHG emissions reductions from existing programs and regulations through 2050
- Alternative scenarios modeled to illustrate and compare emissions reductions and other outcomes from alternative policy futures
- TIGHGER policies and actions will represent climate action measures in Oregon's CCAP

TIGHGER GHG Reduction Forecasting

Programs and Regulations Adopted and Under Development



TIGHGER GHG Scenario Analysis



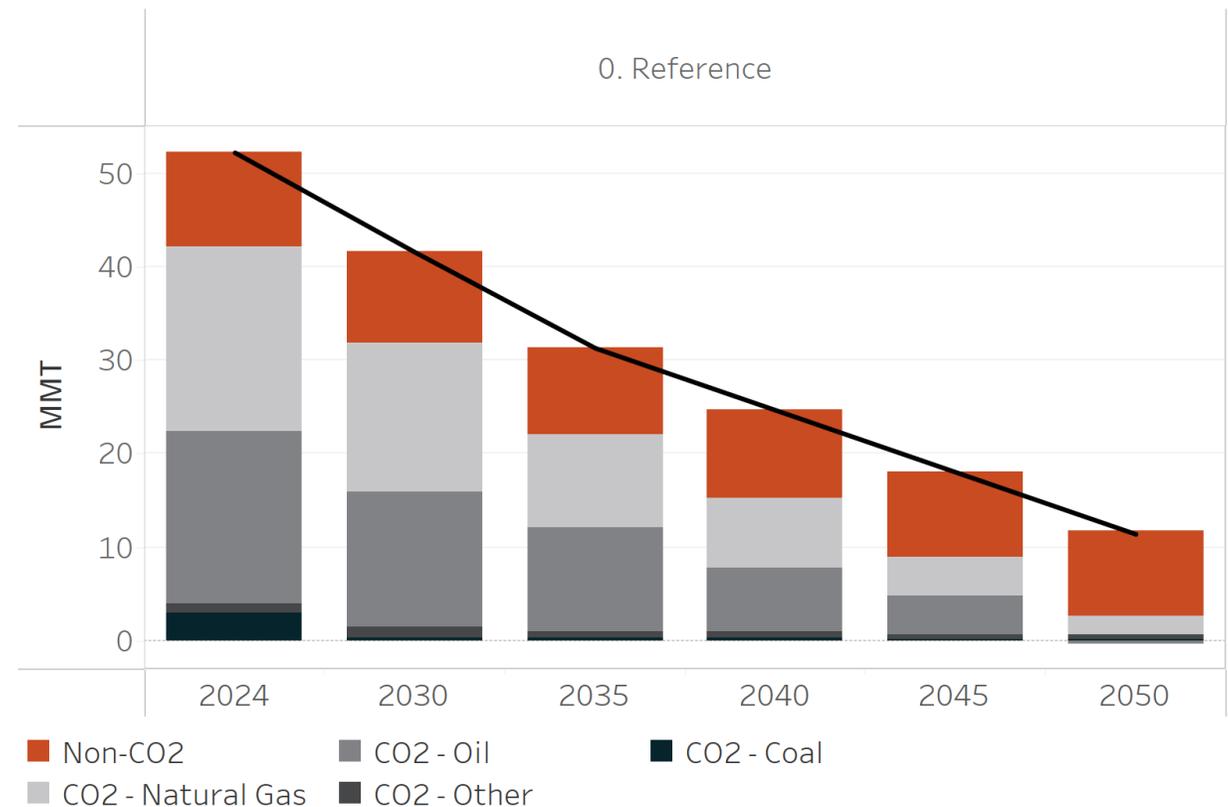
Oregon Statewide Energy Strategy

- Modeling identifies different pathways to achieve Oregon's climate and energy targets goals
- Reference scenario presents least-cost pathway to meet goals
- Alternative scenarios apply constraints to reflect different potential energy futures (e.g., slower rate of transportation electrification)
- Supplemental analyses will assess impacts on costs, air quality, land use, jobs, and workforce needs

Modeling is Structured to Comply with Oregon Laws

- Oregon has aggressive climate policies and goals, including 80% reduction in greenhouse gas emissions economy-wide by 2050
- Each modeled scenario shows a pathway to achieving our goals
- Nearly all emission reductions come from energy sector

Emissions by Type and Source (Sink)



Note: Analysis was undertaken using the Climate Protection Program as proposed.

What If Scenarios and Assumptions

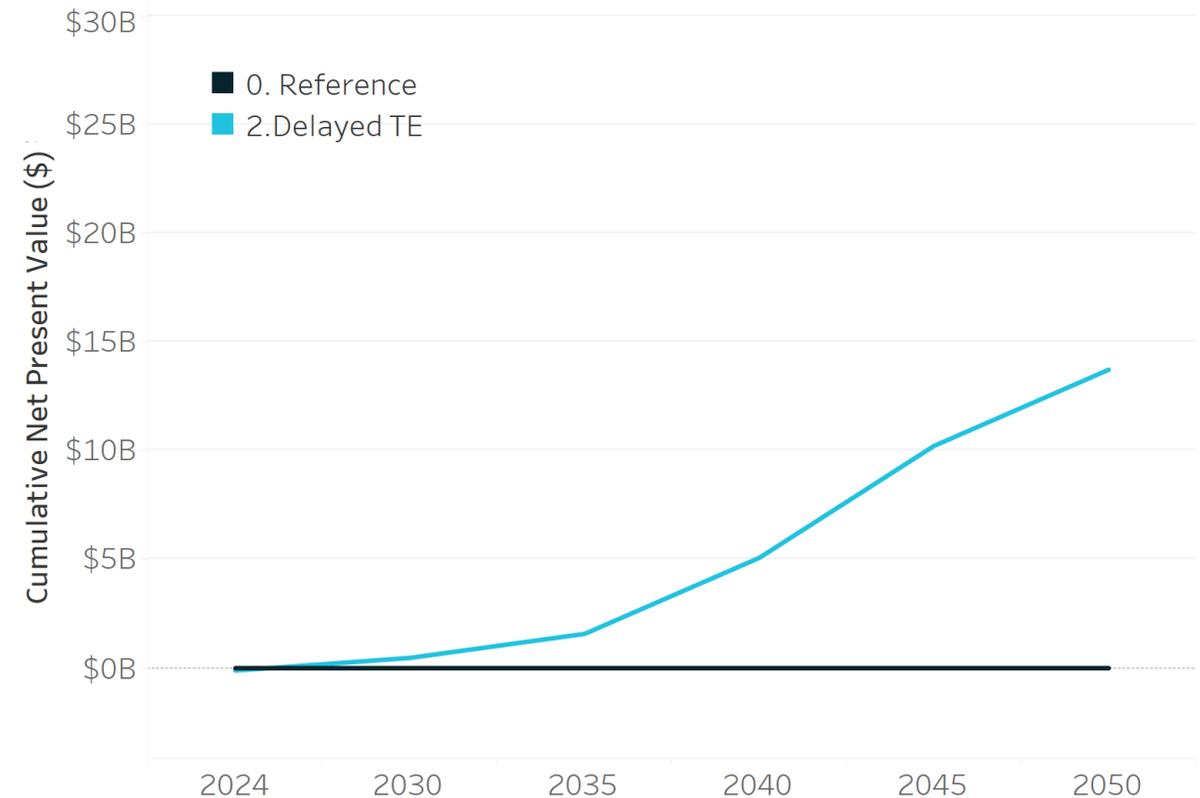
Reference. Least-cost way to achieve goals. All other scenarios build on the Reference by changing a key area:

1. What if **energy efficiency and building electrification** is delayed by 10 years?
2. What if full **transportation electrification** of medium- and heavy-duty vehicles is delayed 10 years, from 2040 to 2050?
3. What if there is **limited demand response** participation?
4. What if there is **limited utility-scale electricity generation** in Oregon?
5. What if there are higher levels of **rooftop solar and behind-the-meter storage** and **transmission is limited to reconductoring** only (no new build)?
6. What might an **alternative portfolio** of flexible resources for electricity reliability look like?

Delaying Electrification of Trucks beyond 2040 is More Costly

- Delaying when Oregon reaches 100% medium- and heavy-duty ZEV sales by 10 years increases costs
- Puts more pressure on clean fuels to meet targets
- Efficiency losses mean total demand 0.7% higher in 2040 and 0.9% higher in 2050
- To meet emissions target, **almost all vehicle fuel must be clean by 2050**

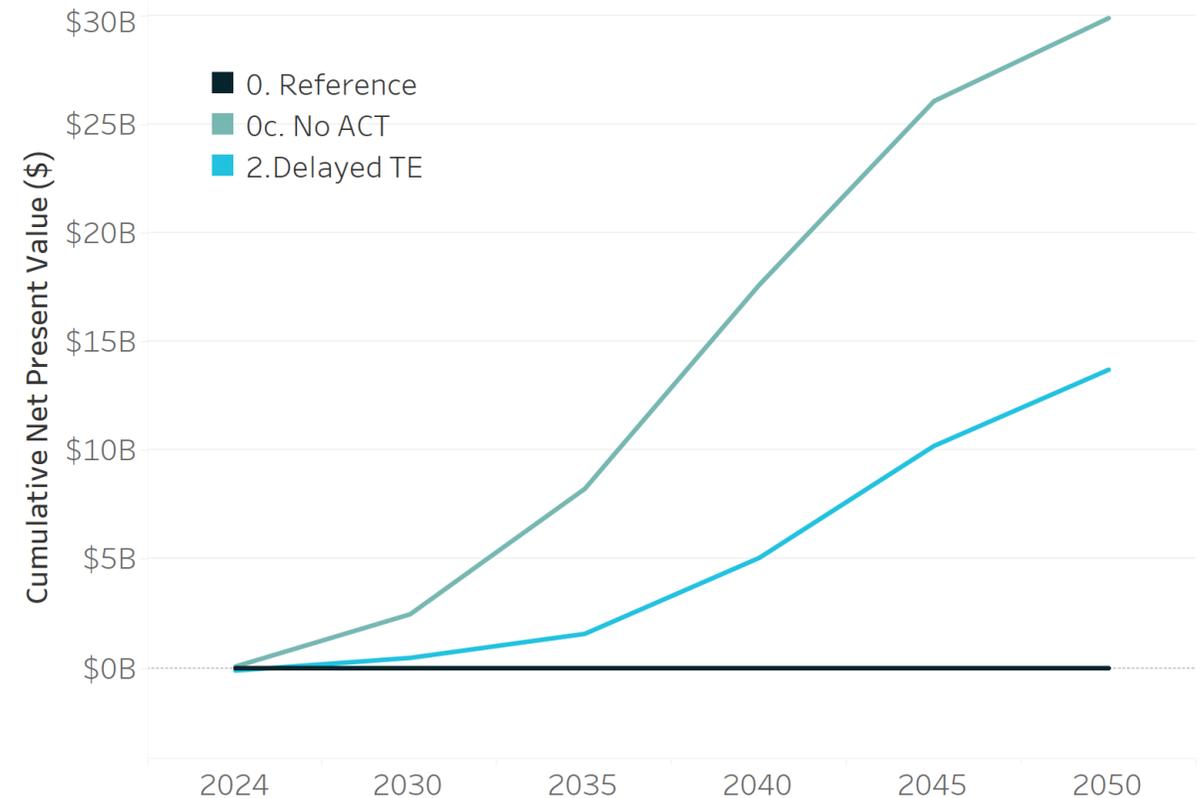
Difference to Reference (Cumulative NPV \$B)



Delaying Electrification of Trucks beyond 2040 is More Costly

- Without the MHD ZEV targets required by the Advanced Clean Trucks rule, costs increase significantly
 - More than double Delayed TE
- Early adoption EVs, including MHD EVs, is critical for cost containment
- No ACT is \$16B NPV higher over 25 years than Delayed TE

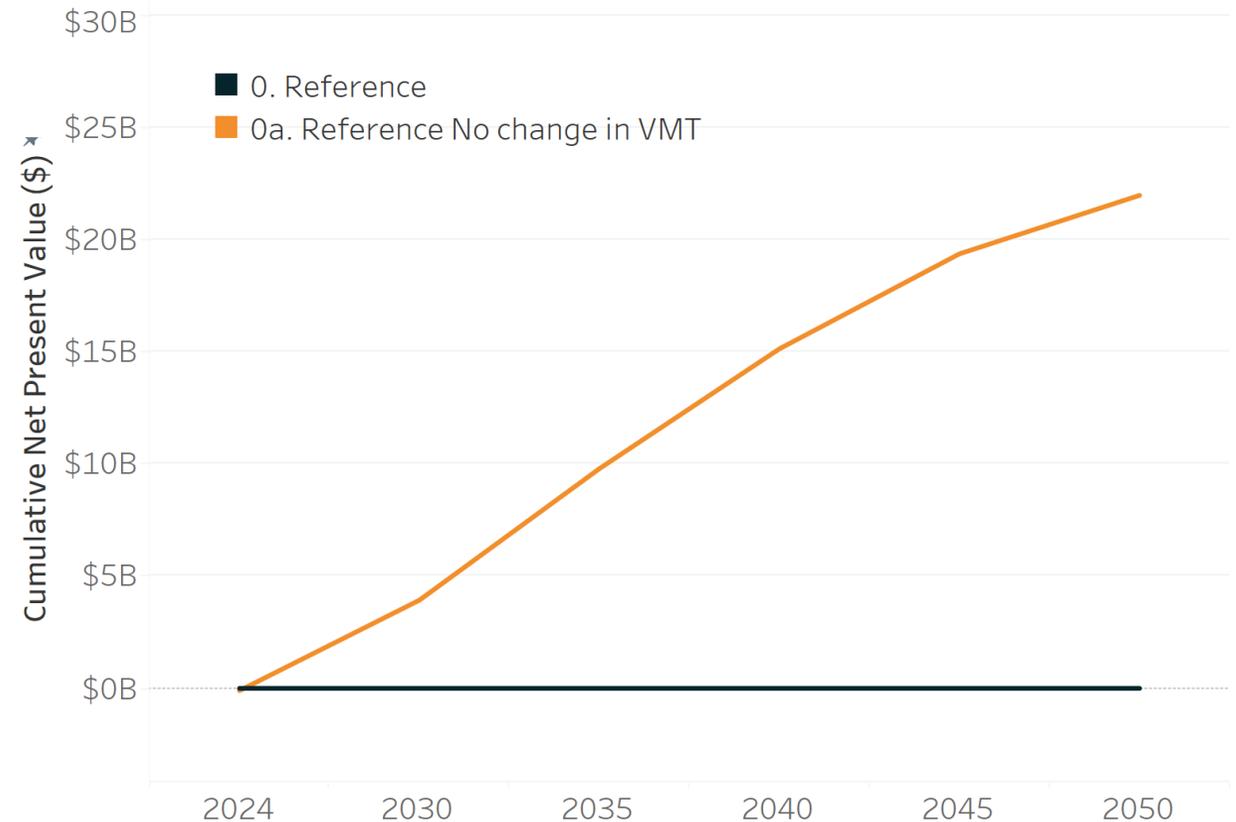
Difference to Reference (Cumulative NPV \$B)



Reducing Vehicle Miles Traveled Saves Money

- VMT reductions save \$22B over 25 years
- The Reference Scenario incorporates Oregon's goal of a 20% reduction in VMT by 2050
- Removing improvements in VMT drives up costs by increasing the overall energy demand in the economy

Difference to Reference (Cumulative NPV \$B)



Public Involvement Opportunities

Oregon
Statewide Energy
Strategy

Transformational
Integrated Green
House
Gas Emissions
Reduction

Net Biological
Sequestration
and Storage
Inventory

Comprehensive Climate Action Plan

General CCAP: Surveys

Open until July 18, 2025

Oregon's Comprehensive Climate
Action Plan - Community
Members Feedback Form



Oregon's Comprehensive Climate
Action Plan: Feedback Survey for
Local Jurisdictions



Oregon's Comprehensive Climate
Action Plan - Tribes



Oregon's Comprehensive Climate
Action Plan- Businesses and
Community Organizations





Resources:

CPRG Planning Page:

<https://www.oregon.gov/deq/ghgp/pages/climate-pollution-reduction-planning-grant.aspx>

CPRG Implementation Grant:

<https://www.oregon.gov/deq/ghgp/Pages/certa.aspx>

Oregon Statewide Energy Strategy:

<https://www.oregon.gov/energy/Data-and-Reports/Pages/Energy-Strategy.aspx>

OCAC: <https://climate.oregon.gov/>



DLCD



Climate-Friendly and Equitable Communities



Program Updates

February 12, 2025



City/County Assistance

46 Projects

\$3 million 2023-25

Albany

Ashland

Beaverton

Bend

Central Point

**Clackamas
County**

Coburg

Cornelius

Corvallis

Eagle Point

Eugene

Gladstone

Grants Pass

Gresham

Keizer

Medford

Oregon City

Philomath

Portland

Rogue River

Salem

Springfield

Talent

Tualatin

West Linn

Wilsonville

**Assistance:
Zoning Climate-
Friendly Areas**

Ashland

Central Point

Eagle Point

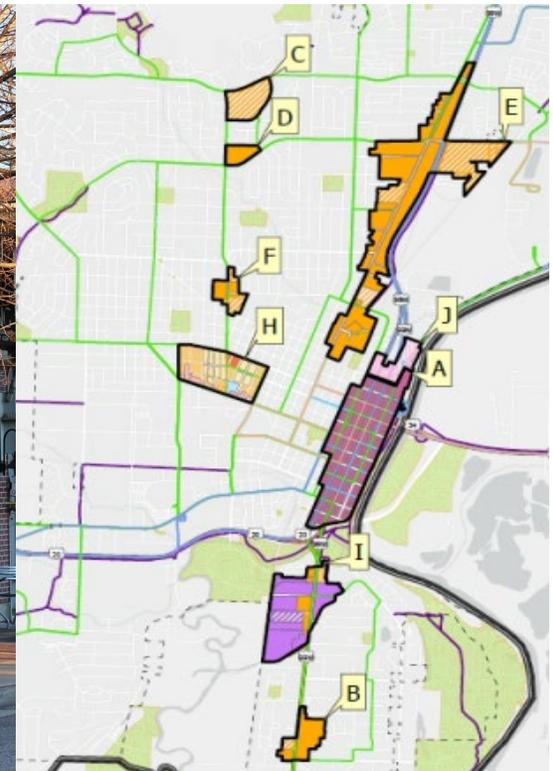
Eugene

Keizer

Philomath

Salem

Springfield





Assistance: Code Audits and Draft Amendments

Walkability

Parking

Town centers



Albany
Ashland
Beaverton
Bend
Central Point
Coburg
Cornelius
Eagle Point
Grants Pass
Gresham

Keizer
Medford
Oregon City
Philomath
Rogue River
Salem
Tualatin
West Linn
Wilsonville

Assistance: Equitable Community Engagement



Beaverton

Keizer

**Clackamas
County**

Portland

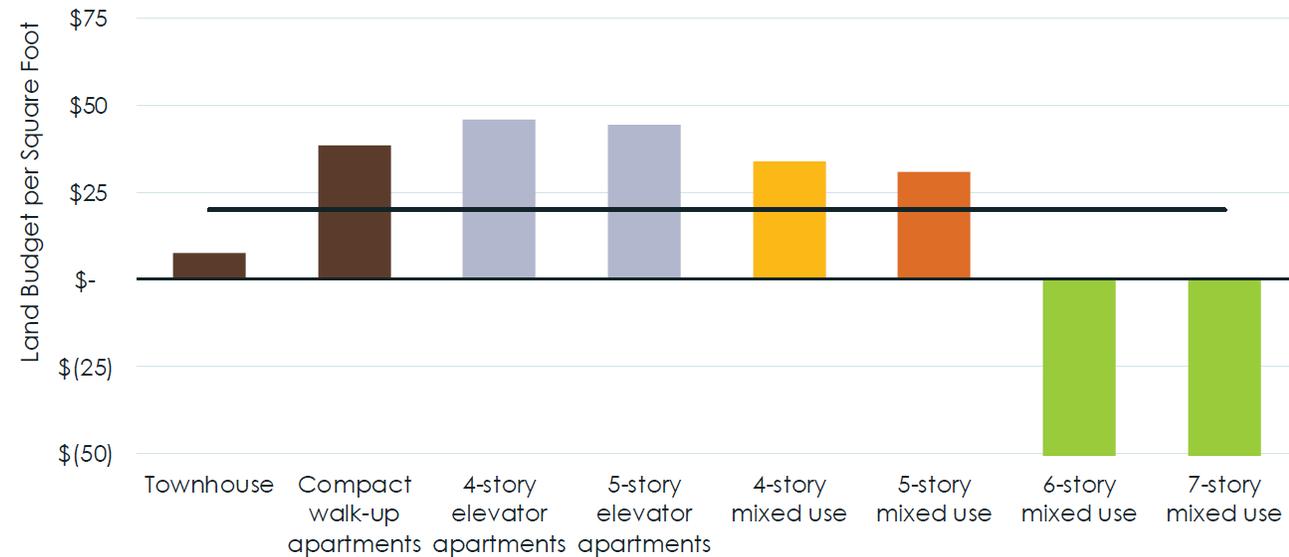
Eugene

Tualatin

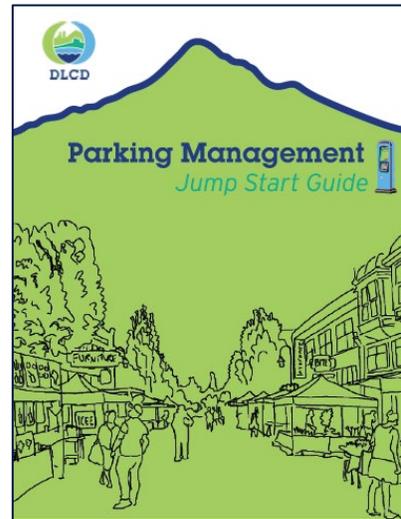
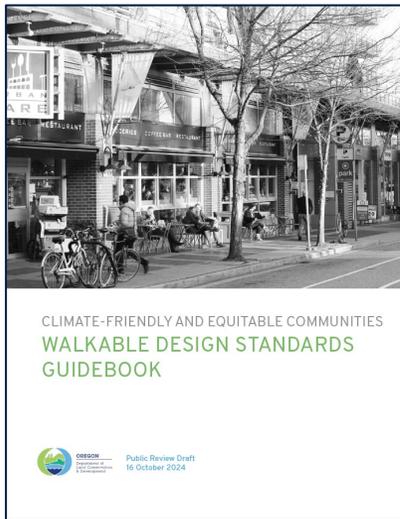
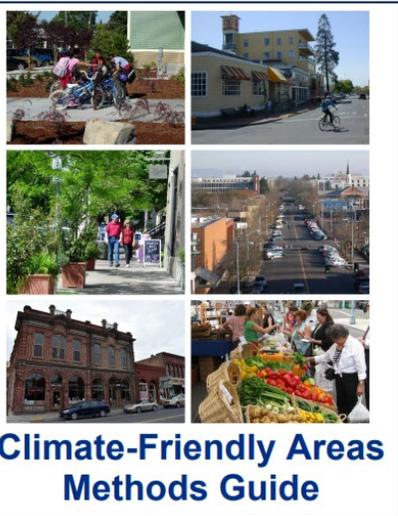
Assistance: Market Studies

Albany
Ashland
Bend
Central Point
Gladstone

Grants Pass
Medford
Salem
Springfield



- **Equitable Engagement**
- **Walkable Design Standards**
- **Climate-Friendly Areas**
- **Parking Management**
- **Housing Production Strategy
Climate Element**
- **10 more guidance publications**



Assistance: Publications and Guides



What's Next

Partial list

- Scenario plans
- Climate-friendly areas, parking reforms
- Walkable development codes
- Update transportation system plans (2025-29)
- GHG handbook
- Funding handbook
- Division 44 target rules review

GHG Emission Reductions Handbook

- Funding from US Climate Alliance
- DLCDC, ODOT, ODOE, DEQ, Metro
- Recreates California handbook for 5 western states
- Project and plan level calculations
- Available summer 2025

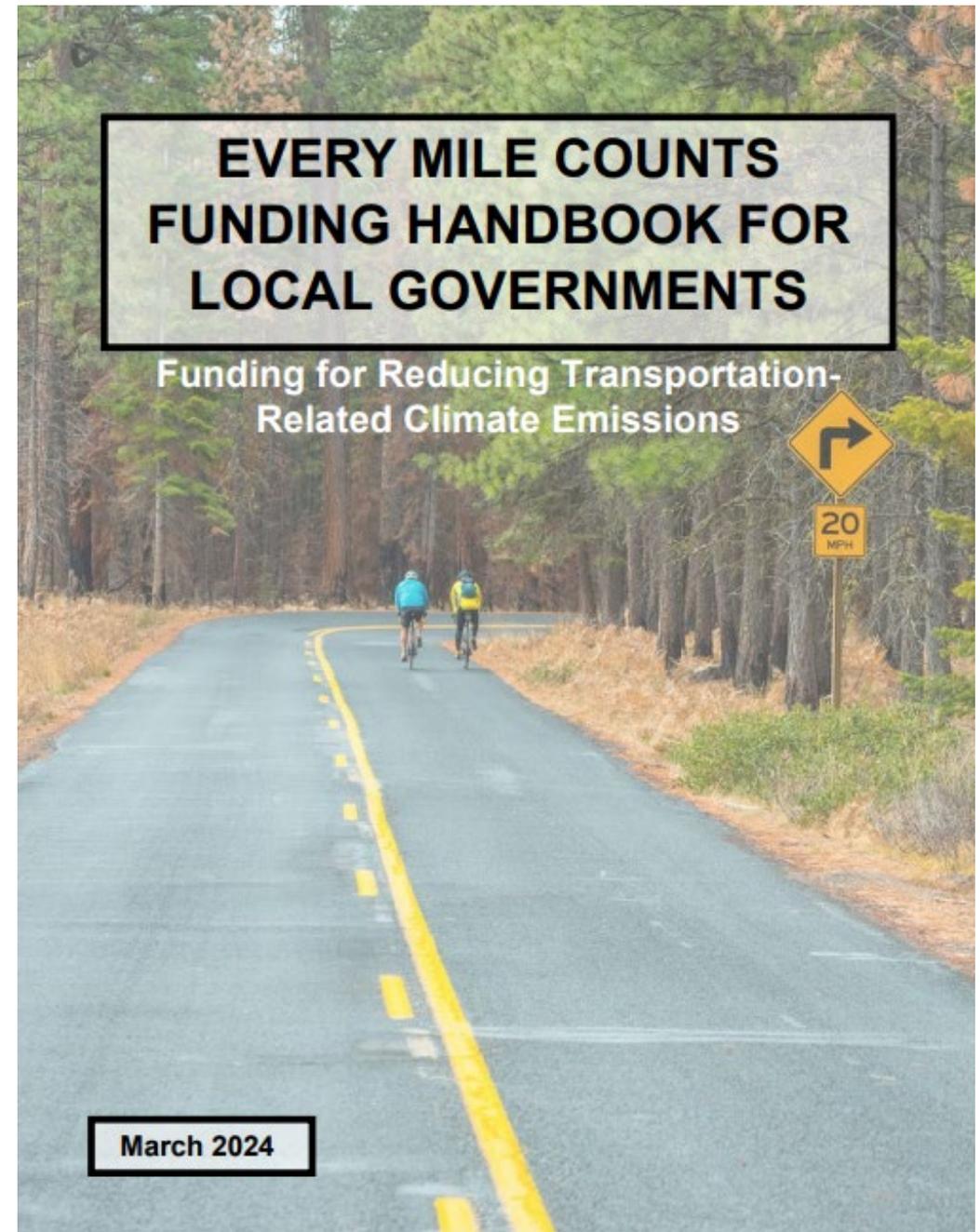
Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity

Designed for Local Governments, Communities, and Project Developers



Climate Funding Handbook for Local Governments

- DLCD, ODOT, DEQ, ODOE
- Connects local governments with federal and state funding
- Focus on transportation emissions reductions actions
- Eligible entities, amount funding available, what agency is providing it, and time frames
- Update coming summer 2025



Metropolitan Greenhouse Gas Reduction Target Rules Review



- OAR 660-044-0035
- LCDC reviews targets every 4 years
- Determine if updates are warranted
- Targets last updated 2017
- Factors include findings from local, state, and federal actions
- Local consultations summer 2025



2050 GHG targets for Oregon metropolitan areas per capita light vehicle GHG emissions reduction¹

Adopted target	Metropolitan area
35%	Portland Metro
30%	Albany
	Bend
	Corvallis
	Eugene-Springfield
	Middle Rogue
	Rogue Valley
	Salem-Keizer

¹ Reductions beyond expected vehicle and fuel improvements

Learn More Online

Search "DLCD CFEC"



oregon.gov/LCD/LAR/Pages/CFEC.aspx

Title VI and alternative formats

DEQ does not discriminate on the basis of race, color, national origin, disability, age or sex in administration of its programs or activities.

Visit DEQ's [Civil Rights and Environmental Justice page](#).

[Español](#) | [한국어](#) | [繁體中文](#) | [Русский](#) | [Tiếng Việt](#) | [العربية](#)
Contact: 800-452-4011 | TTY: 711 | deqinfo@deq.state.or.us

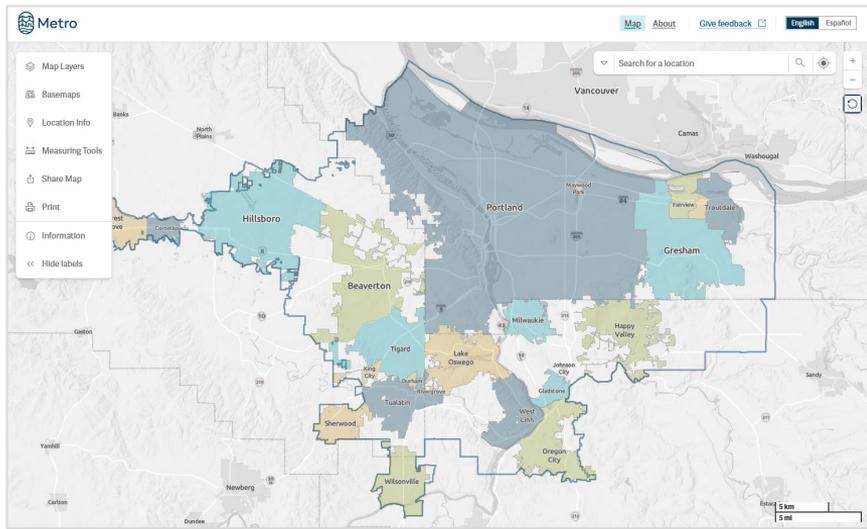
MetroMap and the Quick Facts Viewer

A demonstration for TPAC

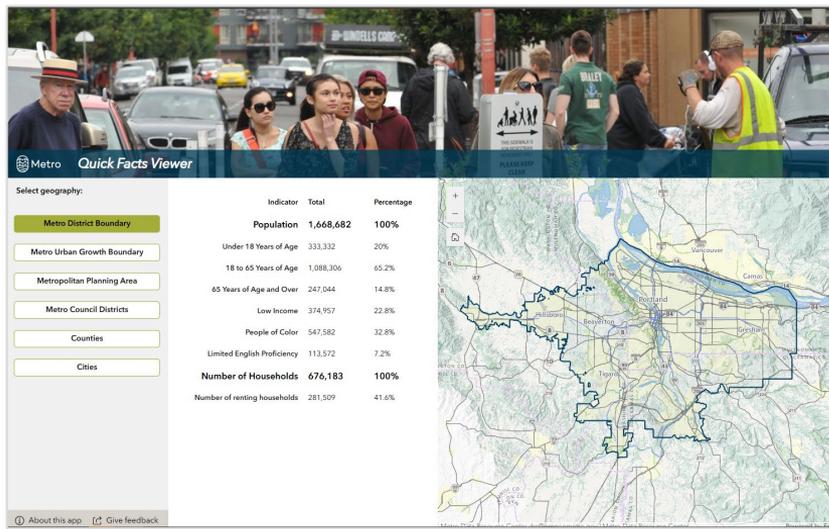
Feb 12th, 2025



Purpose: Introduce two newer tools from Metro's Data Resource Center (DRC) which may be useful to your work

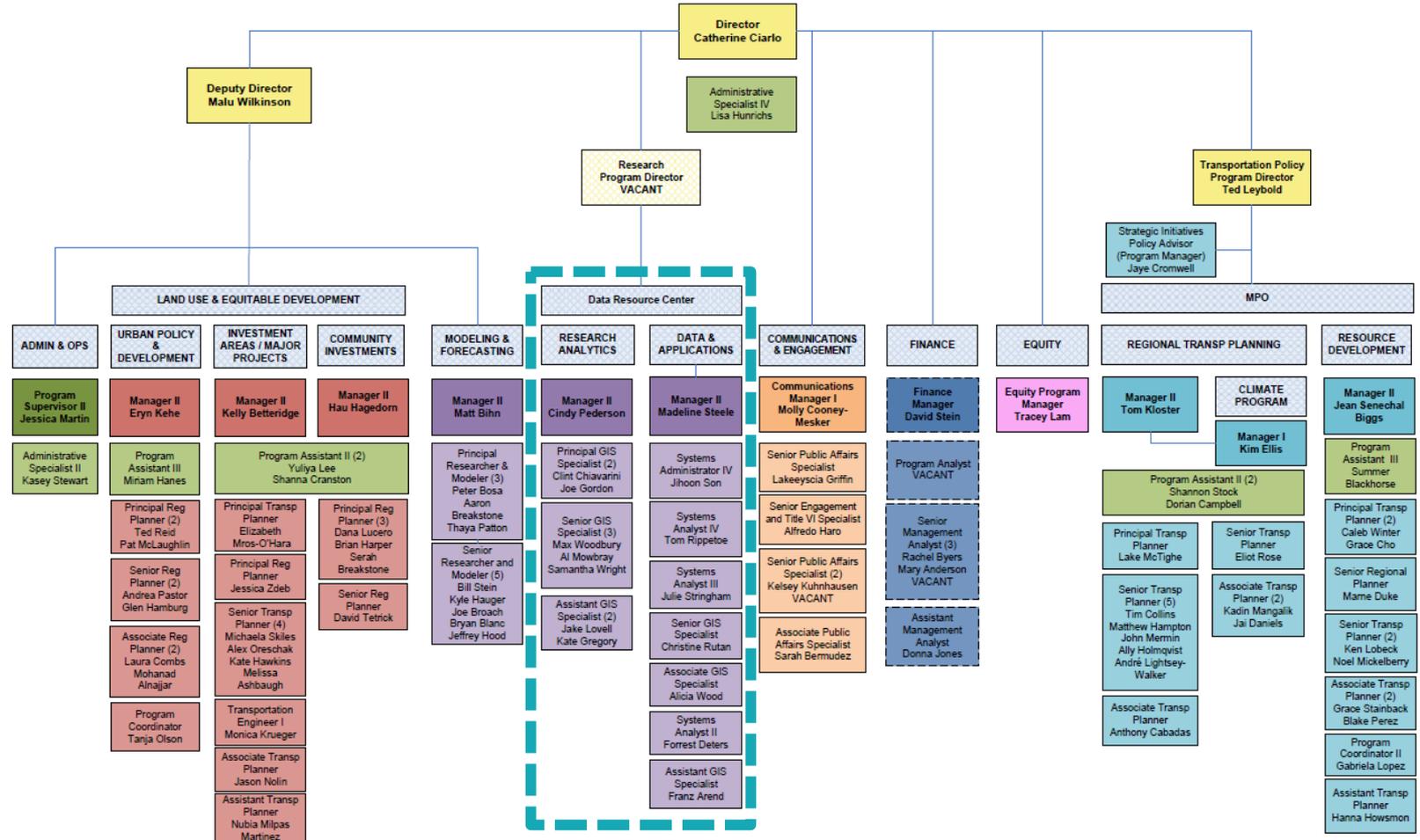


MetroMap



The Quick Facts Viewer

The DRC is part of Planning, Development & Research



But we support the entire agency



Garbage &
Recycling



Parks &
Nature



Affordable
Housing



Visitor
Venues



The Oregon
Zoo

Who we are



RESEARCH ANALYTICS

Manager II
Cindy Pederson

**Principal GIS
Specialist (2)**
Clint Chiavarini
Joe Gordon

**Senior GIS
Specialist (3)**
Max Woodbury
Al Mowbray
Samantha Wright

**Assistant GIS
Specialist (2)**
Jake Lovell
Kate Gregory

DATA & APPLICATIONS

Manager II
Madeline Steele

**Systems
Administrator IV**
Jihoon Son

**Systems
Analyst IV**
Tom Rippetoe

**Systems
Analyst III**
Julie Stringham

**Senior GIS
Specialist**
Christine Rutan

**Associate GIS
Specialist**
Alicia Wood

**Systems
Analyst II**
Forrest Deters

**Assistant GIS
Specialist**
Franz Arend

DRC areas of expertise

Spatial
Analytics

Custom
Apps

Dash-
boards

Maps
& More

Data Stewardship

GIS Infrastructure Administration

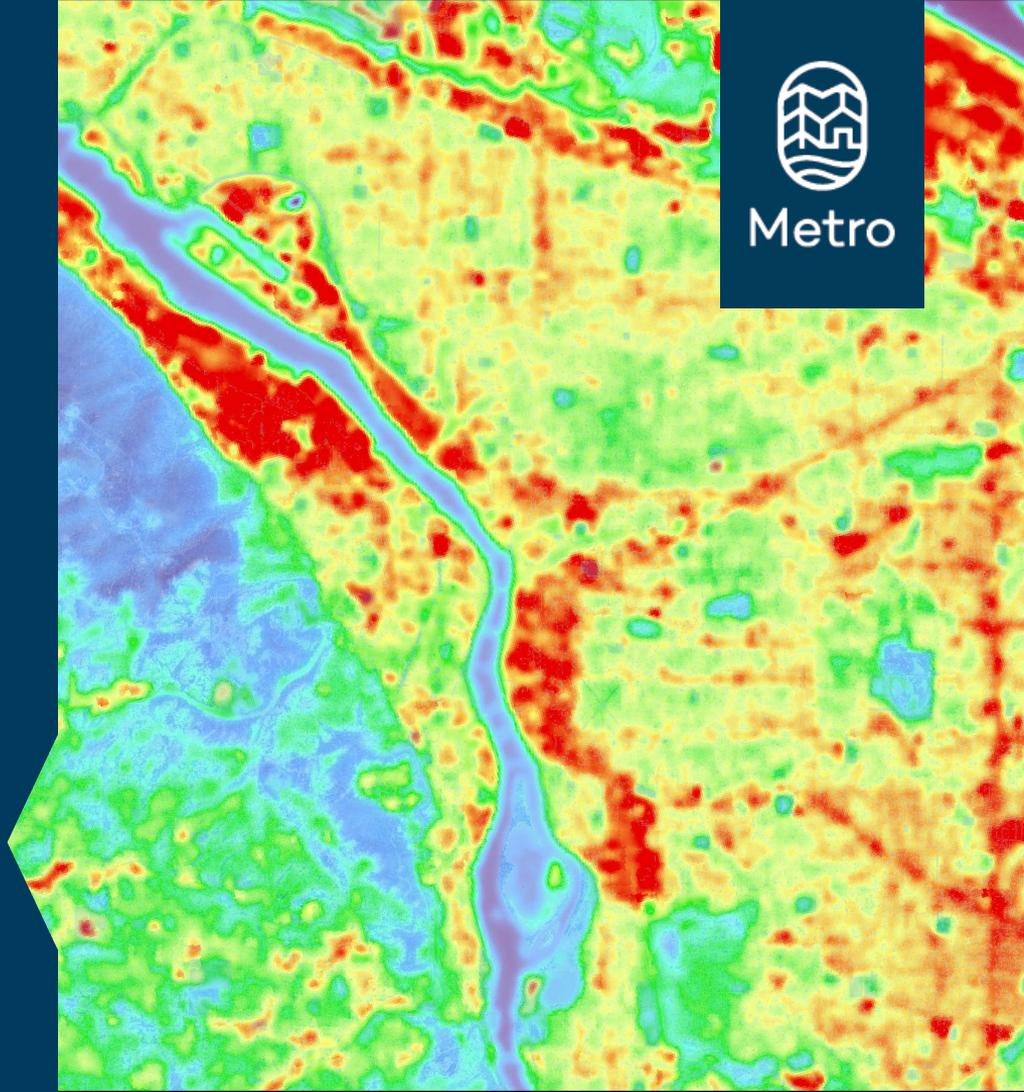
Cooling Corridors Study

Transportation Policy
Alternatives Committee
Workshop

February 12, 2025



Metro



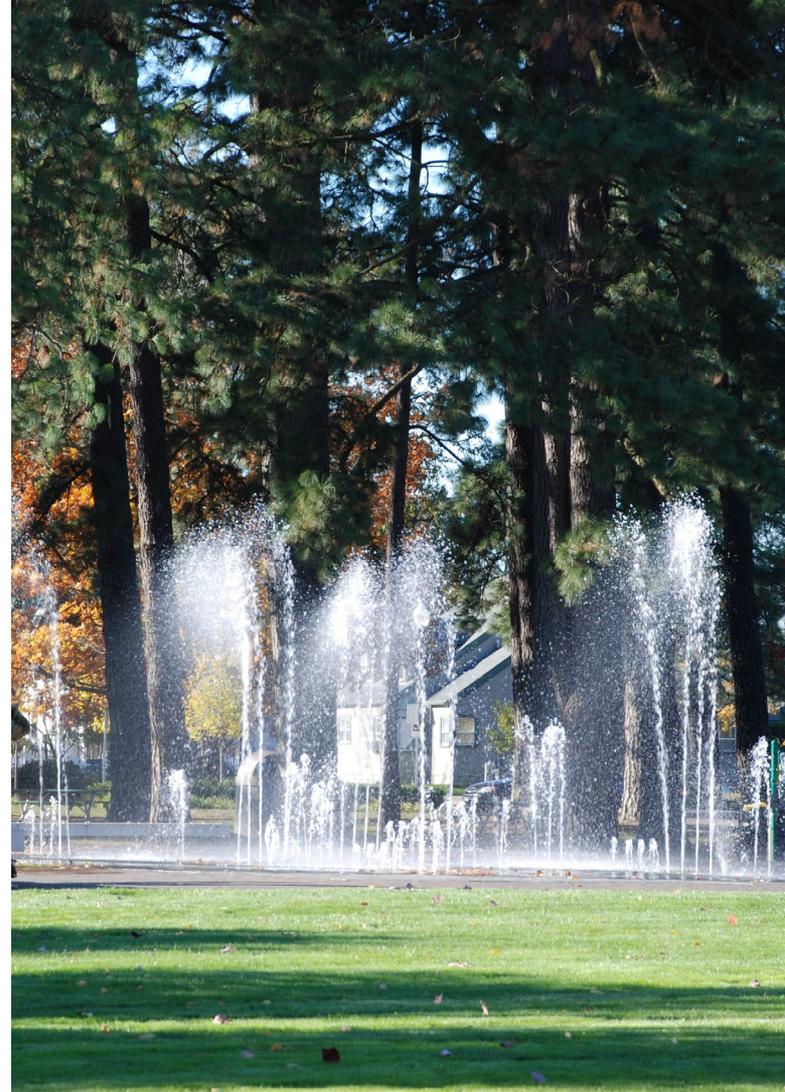
Why cooling corridors?

- Interest in climate resilience, ventilation corridors, strategies for adapting to extreme heat
- Inform Metro Future Vision and 2028 Regional Transportation Plan update
- Could include different types of corridors
 - Land acquisition for greening
 - Targeted street interventions



Project outcomes

- Understand current cooling resources and opportunities to reduce impacts of extreme heat on people and places
- Develop a network of subject matter experts, CBOs, and governmental partners to engage in urban heat resiliency projects
- Share best practices and use them to inform regional planning, policies and investments

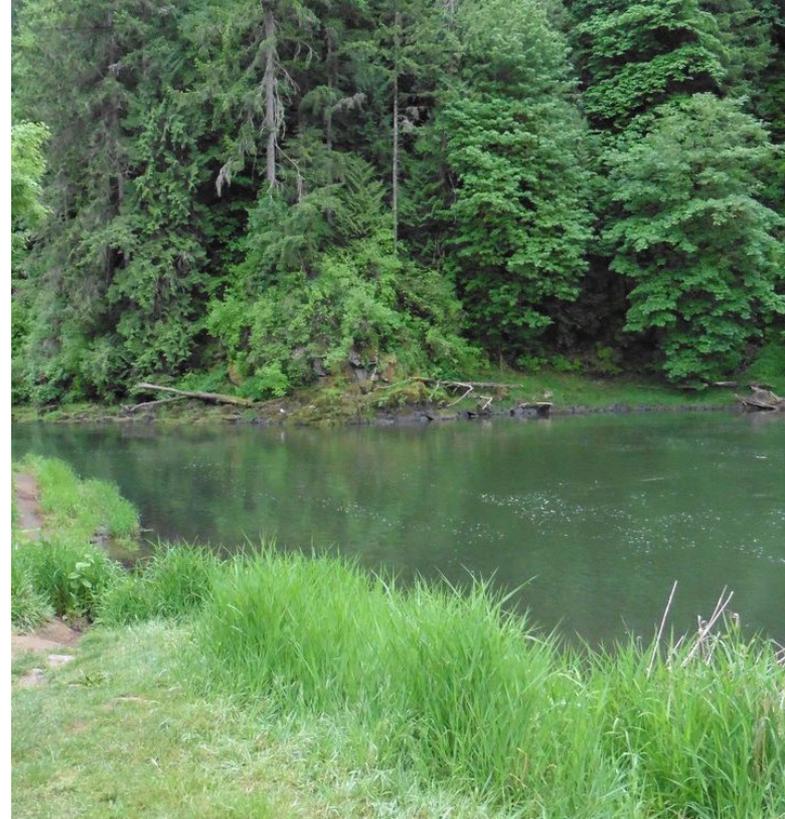


Identifying Corridors of Interest

- Assess distribution of tree canopy
- Assess distribution of existing hot and cool areas
- Identify options for (1) cooling hot areas or (2) connecting or expanding cool areas
- Identify inherent strengths and weaknesses of geographic “system”
 - Hills, water, wind, sun...

Pairing analysis with implementation

- What are the tools?
 - Green infrastructure, pavements, roofs, shade, water, parks, wind?
- What is Metro's role?
 - MPO, funder, technical assistance, trails, parks and nature conservation



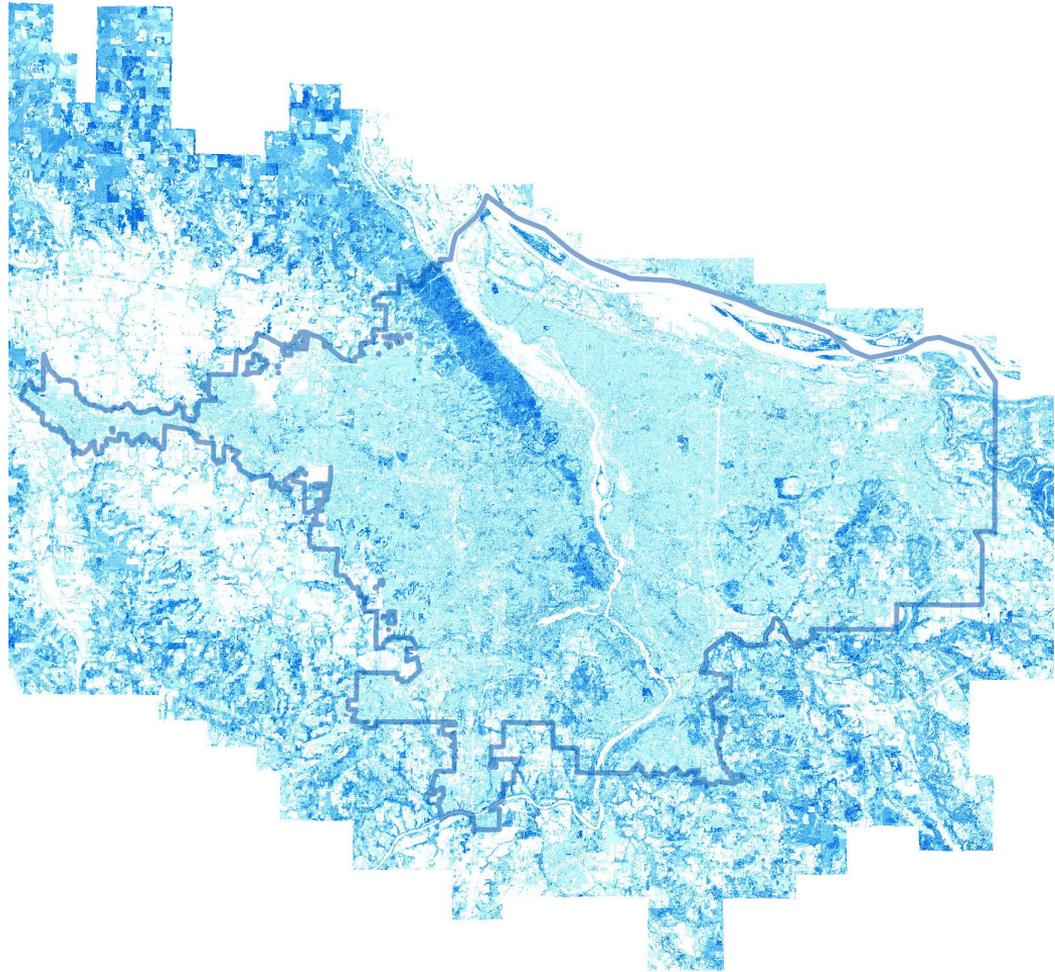
Final report

- Research on existing heat reduction and adaptation strategies (locally, nationally, and internationally)
- Analysis of cost-effectiveness, scalability, and potential funding sources
- Multi-layer Geographic information systems (GIS) analysis (tree canopy, temperature, water bodies, parks)
- Equity analysis (SVI)
- Implementation recommendations



Engagement

- Metro staff
 - COO office
 - Planning, Development & Research
 - Parks and Nature
- Governmental partners
- Expert consultation
- Smart Surfaces Coalition (10 city cohort)
- Community-based organizations



Project timeline

We are here



Questions for TPAC

- Has your agency or organization done work in this area?
- Do you have suggestions for who to engage in this study?
- How would you like to continue to be involved or informed in this project?

Thank you!

Joe Gordon

Principal GIS Specialist

Joe.Gordon@oregonmetro.gov

André Lightsey-Walker

Senior Transportation Planner

Andre.Lightsey-Walker@oregonmetro.gov



Metro

Arts and events

Garbage and recycling

Land and transportation

Oregon Zoo

Parks and nature

oregonmetro.gov



2/12/25 TPAC Workshop Chat

- 00:14:47 Mike McCarthy - WashCo Cities: Please promote Gregg Snyder
- 00:17:34 Glen Bolen, ODOT (he/him): <https://www.oregon.gov/odot/projects/pages/project-details.aspx?project=21178>
- 00:17:42 Glen Bolen, ODOT (he/him): <https://www.oregon.gov/odot/projects/pages/project-details.aspx?project=21177>
- 00:22:18 Brian Hurley: I am here
- 00:33:16 Tom Kloster, Metro (he/him): Special bonus points to the ODOE acronym department! 😊
- 00:36:35 Eric Hesse (he/him, PBOT): Blast from the past: <https://www.transit.dot.gov/funding/grants/tigger-program>
- 00:37:05 Kim Ellis, Metro: Make sure to share links to Everyone 😊
- 00:44:38 Morgan Schafer (she/hers), Oregon DEQ: CPRG Planning Page: <https://www.oregon.gov/deq/ghgp/pages/climate-pollution-reduction-planning-grant.aspx>
- 00:44:59 Morgan Schafer (she/hers), Oregon DEQ: CPRG Implementation grant: <https://www.oregon.gov/deq/ghgp/Pages/certa.aspx>
- 00:45:24 Morgan Schafer (she/hers), Oregon DEQ: Oregon Statewide Energy Strategy: <https://www.oregon.gov/energy/Data-and-Reports/Pages/Energy-Strategy.aspx>
- 00:45:48 Morgan Schafer (she/hers), Oregon DEQ: OCAC: <https://climate.oregon.gov/>
- 00:51:56 Dyami Valentine, Washington County LUT: HB3477 Modifies state greenhouse gas emissions reduction goals. Replaces the term "global warming" with "climate change" in provisions related to the Oregon Climate Action Commission. <https://olis.oregonlegislature.gov/liz/2025R1/Downloads/MeasureDocument/HB3477/Introduced>
- 00:57:25 Kim Ellis, Metro: Here links from panelist chat: from Dyami Valentine: HB3477 Modifies state greenhouse gas emissions reduction goals. Replaces the term "global warming" with "climate change" in provisions related to the Oregon Climate Action Commission. <https://olis.oregonlegislature.gov/liz/2025R1/Downloads/MeasureDocument/HB3477/Introduced>
- 01:06:52 Brian Hurley: <https://www.oregontransportationemissions.com/>
https://www.oregon.gov/odot/Planning/Documents/OR-Plan_Policy_Briefs.pdf
- 01:24:56 Madeline Steele | Metro | she/her: Links to applications I'll be demonstrating: <https://gis.oregonmetro.gov/metromap/> <https://gis.oregonmetro.gov/quick-facts-viewer>

2/12/25 TPAC Workshop Chat

01:28:30 Gerik Kransky - Oregon DEQ: I would love to see Metro's org chart again if possible.

01:34:41 Glen Bolen, ODOT (he/him): I second Gerik's statement.

01:38:41 Tom Kloster, Metro (he/him): Thanks, Gerik and Glen - we will circle bak to that after Madeline's presentation.

01:41:04 Adam Torres (Clackamas County DTD): fyi - the Quick Facts viewer link on the meeting agenda produces a 'page not found'; I believe the most up-to-date link is <https://experience.arcgis.com/experience/0270abe518a74139a617bceed07517f0>

01:42:02 Gerik Kransky - Oregon DEQ: Thank you!

01:44:49 Clint Chiavarini (he/him) - Metro Data Resource Center: The agenda has a typo in the URL. Should be <https://gis.oregonmetro.gov/quick-facts-viewer>

01:46:15 Kate Lyman, TriMet (she/her): Thanks Madeline for the great tool!

01:46:20 Joe Gordon, Oregon Metro: andre.lightsey-walker@oregonmetro.gov
joe.gordon@oregonmetro.gov

01:46:47 Jessica Martin, Metro Staff: andre.lightsey-walker@oregonmetro.gov
joe.gordon@oregonmetro.gov

01:57:47 Jeff Owen, Clackamas County: Can all the slides from today be posted online alongside today's meeting information?

01:58:29 Jessica Martin, Metro Staff: Yes! I'll have the meeting packet updated with today's presentations and posted online by the end of the day.

02:00:16 Joe Gordon, Oregon Metro: andre.lightsey-walker@oregonmetro.gov
joe.gordon@oregonmetro.gov

02:07:41 Eric Hesse (he/him, PBOT): I am bummed that I plan to be working remotely that day/week, since I really wanted to do some IRL TPAC. But Tom's pitch is making me reconsider.

02:08:55 Madeline Steele | Metro | she/her: Here are those application links:
<https://gis.oregonmetro.gov/metromap/>
<https://gis.oregonmetro.gov/quick-facts-viewer>

Thanks all!