

Agenda



Metro

600 NE Grand Ave.
Portland, OR 97232-2736

Meeting: Metro Technical Advisory Committee (MTAC)
Date: Wednesday, March 20, 2024
Time: 9:00 a.m. to 12:00 p.m.
Place: Virtual meeting held via Zoom
video recording is available online within a week of meeting
[Connect with Zoom](#)
Passcode: 982966
Phone: [888-475-4499](tel:888-475-4499) (Toll Free)

9:00 a.m.	Call meeting to order, Declaration of Quorum and Introductions	Chair Kehe
9:10 a.m.	Comments from the Chair and Committee Members <ul style="list-style-type: none">• Updates from committee members around the Region (all)	
9:15 a.m.	Public communications on agenda items	
9:17 a.m.	Consideration of MTAC minutes, February 21, 2024 (action item) Send edits/corrections to Marie Miller	Chair Kehe
9:20 a.m.	2024 Urban Growth Management Decision: Preliminary urban growth boundary capacity estimates Purpose: To share initial capacity analysis results and answer questions to support future MTAC recommendations on the UGB decision later this year.	Ted Reid, Metro Clint Chiavarini Dennis Yee, Metro
10:20 a.m.	Overview of Emergency Transportation Routes Phase 2 project Purpose: Provide an overview of the Regional Emergency Transportation Routes (RETR) Phase 2 project	John Mermin, Metro
10:40 a.m.	Adjournment	Chair Kehe

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 kulan 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 ។ សំរាប់ព័ត៌មានអំពីកម្មវិធីសិទ្ធិពលរដ្ឋរបស់ Metro ឬដើម្បីទទួលបានការបណ្តឹងរើសអើងសូមទូរសព្ទទូរសារកេរចំពោះ www.oregonmetro.gov/civilrights។
បើលោកអ្នកត្រូវការអ្នកបកប្រែភាសានៅពេលអង្គប្រជុំសាធារណៈ សូមទូរស័ព្ទមកលេខ 503-797-1700 (ម៉ោង 8 ព្រឹកដល់ម៉ោង 5 ល្ងាច ថ្ងៃធ្វើការ) ប្រាំពីរថ្ងៃ ថ្ងៃធ្វើការ មុនថ្ងៃប្រជុំដើម្បីអាចឱ្យគេសម្រួលតាមសំណើរបស់លោកអ្នក ។

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 ntuxub ntuxaug daim ntawv ceeb toom

Metro tributes cai. Rau cov lus qhia txog Metro txoj cai kev pab, los yog kom sau ib daim ntawv 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 ntov txog 5 teev tsaus ntuj weekdays) 5 hnub ua hauj lwu ua ntej ntawm lub rooj sib tham.

2024 Metro Technical Advisory Committee (MTAC) Work Program

As of 3/13/2024

NOTE: Items in *italics* are tentative; **bold** denotes required items

All meetings are scheduled from 9am – noon

<p><u>MTAC meeting, March 20, 2024</u></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> 2024 Urban Growth Management Decision: Preliminary urban growth boundary capacity estimates (Ted Reid/Clint Chiavarini/Dennis Yee, Metro, 60 min) Overview of Emergency Transportation Routes Phase 2 project (John Mermin, 20 min) 	<p><u>MTAC meeting, April 17, 2024</u></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Urban Growth Boundary discussion topic: Historic development trends (Ted Reid/Al Mowbry / Joe Gordon, Metro, 45 min) Industrial Site Readiness Toolkit: Increasing the Availability of Small Industrial Spaces Across the Region (David Tetrick, Metro, 45 min)
<p><u>MTAC meeting, May 15, 2024</u> <i>tentative hybrid meeting</i></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Urban Growth Boundary discussion topic: City UGB expansion proposals (city presentations) (Ted Reid, Metro, 45 min) 	<p><u>MTAC meeting, June 26, 2024</u></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Pending employment land expansion proposal, analysis of possible benefits of UGB expansion (Ted Reid, Metro, 45 min) Urban Growth Boundary discussion topic: Draft functional plan language (Update to Title 6) and regional centers (Glen Hamburg, Metro, 20 min) EPA Climate Pollution Reduction Grant (Eliot Rose, Metro, 30 min)
<p><u>MTAC meeting, July 17, 2024</u></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Draft UGR (Ted Reid, Metro; 90 min) Connecting First and Last Mile Study Introduction (Ally Holmqvist, Metro; 45 min) 	<p><u>MTAC meeting, August 21, 2024</u> <i>tentative hybrid mtg.</i></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Discussion of the Metro Chief Operating Officer recommendation on the UGB decision

<p><u>MTAC meeting, September 18, 2024</u></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> UGB Recommendations to MPAC (Ted Reid, Metro) FULL MEETING 	<p><u>MTAC meeting, October 16, 2024</u></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Regional Housing Coordination Strategy: Work Plan (Ted Reid, Metro; 40 min)
<p><u>MTAC meeting, November 20, 2024</u></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p>	<p><u>MTAC meeting, December 18, 2024</u> <i>tentative hybrid mtg.</i></p> <p><u>Comments from the Chair</u></p> <ul style="list-style-type: none"> Committee member updates around the region (Chair Kehe and all) <p><u>Agenda Items</u></p> <ul style="list-style-type: none"> Follow up on process (Ted Reid, Metro) Connecting First and Last Mile Study Policy Framework (Ally Holmqvist, Metro; 45 min)

Parking Lot/Bike Rack: Future Topics (These may be scheduled at either MTAC meetings or combined MTAC/TPAC workshops)

- Status report on equity goals for land use and transportation planning
- Regional city reports on community engagement work/grants
- Regional development changes reporting on employment/economic and housing as it relates to growth management
- Update report on Travel Behavior Survey
- Updates on grant funded projects such as Metro's 2040 grants and DLCD/ODOT's TGM grants. Recipients of grants.
- Transit-Oriented Development (TOD) annual report/project profiles report
- Employment & industrial lands
- 2040 grants highlights update

For MTAC agenda and schedule information, e-mail marie.miller@oregonmetro.gov

In case of inclement weather or cancellations, call 503-797-1700 for building closure announcements.



Metro

600 NE Grand Ave.
Portland, OR 97232-2736

Meeting minutes

Meeting: **Metro Technical Advisory Committee (MTAC) meeting**

Date/time: Wednesday, February 21, 2024 | 9:00 a.m. to 12:00 p.m.

Place: Virtual video meeting via Zoom

Members Attending

Eryn Kehe, Chair
Joseph Edge
Carol Chesarek
Victor Saldanha
Tom Armstrong
Erik Olson
Terra Wilcoxson
Aquilla Hurd-Ravich
Anna Slatinsky
Laura Terway
Steve Koper
Katherine Kelly
Jamie Stasny
Jessica Pelz
Laura Kelly
Gery Keck
Cindy Detchon
Tom Bouillion
Bret Marchant
Brett Morgan
Nora Apter
Rachel Loftin
Preston Korst
Erik Cole

Affiliate

Metro
Clackamas County Community Member
Multnomah County Community Member
Washington County Community Member
Largest City in the Region: Portland
Largest City in Clackamas County: Lake Oswego
Largest City in Multnomah County: Gresham
Second Largest City in Clackamas County: Oregon City
Second Largest City in Washington County: Beaverton
Clackamas County: Other Cities, City of Happy Valley
Washington County: Other Cities, City of Tualatin
City of Vancouver
Clackamas County
Washington County
Oregon Dept. of Land Conservation & Development
Tualatin Hills Park & Recreation District
North Clackamas School District
Port of Portland
Greater Portland, Inc.
1000 Friends of Oregon
Oregon Environmental Council
Community Partners for Affordable Housing
Home Builders Association of Metropolitan Portland
Schnitzer Properties, Inc.

Alternate Members Attending

Kamran Mesbah
Vee Paykar
Faun Hosey
Morgan Tracy
Ashley Miller
Dan Rutzick
Miranda Bateschell
Martha Fritzie
Kevin Cook
Theresa Cherniak
Glen Bolen
Chris Faulkner
Cassera Phipps

Affiliate

Clackamas County Community Member
Multnomah County Community Member
Washington County Community Member
Largest City in the Region: Portland
Largest City in Multnomah County: Gresham
Largest City in Washington County: City of Hillsboro
Washington County: Other Cities: City of Wilsonville
Clackamas County
Multnomah County
Washington County
Oregon Department of Transportation
Clean Water Services
Clean Water Services

Fiona Lyon
Jerry Johnson
Jeff Hampton
Sarah Radcliffe
Jacqui Treiger
Craig Sheahan
Leah Fisher

TriMet
Johnson Economics, LLC
Business Oregon
Habitat for Humanity Portland Region
Oregon Environmental Council
David Evans & Associates, Inc.
Public Health & Urban Forum, Clackamas County

Guests Attending

Anthony Riederer
Ariel Kane
Barara Fryer
Becky Coutinho
Bruce Coleman
Jay Higgins
Jerome Gangle
Jim Wheeler
Jonathan McCall
Karen Guillen-Chapman
Ken Pirie
Steve Kountz
Todd Borkowitz
Vera Kolias

Affiliate

City of Hillsboro
City of Portland
City of Cornelius
City of Hillsboro
City of Sherwood
City of Gresham

City of Gresham
Schlesinger Companies
DLCD
Walker Macy
City of Portland
Washington County
City of Milwaukie

Metro Staff Attending

Al Mowbray, Brian Harper, Clint Chiavarini, Dennis Yee, Eryn Kehe, Jake Lovell, Josh Harwood, Laura Combs, Marie Miller, Matt Bihn, Matthew Hampton, Ted Reid

Call to Order, Quorum Declaration and Introductions

Chair Eryn Kehe called the meeting to order at 9:00 a.m. A quorum was declared. Introductions were made. Zoom logistics and meeting features were reviewed for online raised hands, renaming yourself, finding attendees and participants, and chat area for messaging and sharing links. An overview of the agenda was given.

Comments from the Chair and Committee Members

Kevin Cook announced Multnomah County is hiring a new Planning Director. The link for more information was shared in chat: https://multco.wd1.myworkdayjobs.com/en-US/Multco_Jobs/job/Land-Use-Planning-Director_R-13915

Glen Bolen announced several road closures planned in the region. Links to this information was shared in the chat: <https://www.oregon.gov/odot/or217/pages/default.aspx> 2-month closure of Hall Blvd On-ramp to OR217 South – starts Jan. 22

St Johns bridge closure, <https://www.oregon.gov/odot/projects/pages/project-details.aspx?project=20522>

Traffic delays are expected during peak hours from January 8 to July 2, 2024 approaching the St. Johns Bridge. Construction activities will require full, around-the-clock closures of the southern section of NW Bridge Ave and lane reductions on the bridge. (U.S. 30 Bypass). Local traffic will be detoured on the northern section of NW Bridge Ave.

NW Bridge Avenue Closure: From January 8 to July 2, 2024, the southern section of NW Bridge Ave (U.S. 30 Bypass) will completely close to traffic while crews work on the rock hillside. The sidewalks and parking lot on NW Bridge Ave will also close during this time. Vehicle lanes on the St. Johns Bridge will be reduced to one lane in each direction.

Summary of meeting survey (Chair Kehe) It was noted we had good participation in the survey about in-person meetings. The results were in the packet. Chair Kehe would be looking into logistics for possibly three hybrid meetings this year that offer both in-person and online attendance. One meeting of significance is the UGB decision later this summer when MTAC will vote and send to MPAC their recommendation. Advance notice for hybrid meetings will be sent when details are known. If the committee has suggestions for hybrid meetings outside Metro Regional Center they can reach out to Chair Kehe.

Public Communications on Agenda Items – none given.

Consideration of MTAC minutes January 17, 2024 meeting

Chair Kehe asked for a vote to approve MTAC minutes from January 17, 2024 meeting.

ACTION: Motion passed with no opposed, and 3 abstentions.

Middle Housing Panel Discussion (Joseph Edge, Moderator) Panelists: Vera Kolas, City of Milwaukie/ Dan Rutzick, City of Hillsboro/ Miranda Bateschell, City of Wilsonville/ Tom Armstrong & Morgan Tracy, City of Portland/ Jim Wheeler, City of Gresham/ Anna Slatinsky, City of Beaverton

Mr. Edge introduced the presentation as a panel discussion to review Metro jurisdictions approaches and experiences with regard to middle housing development. Noted were middle housing legislation that have affected local laws, with opportunities and challenges. Each panelist provided background/history prior to (HB2001), developer interest and production, including challenges and barriers to reach middle housing goals.

Question to Vera Kolas, City of Milwaukie: Have you seen any permitting on lots that are less than the 5,000 square feet minimum that will really only allow middle housing, and then paired with that, with the legislation to allow reestablishment of historic lots. Could you talk about any challenges that your city's code may have with allowing that.

Answered: We have not experienced any issues so far with the reestablishment of underlying lots or historically platted lots. For example, our townhouse lot sizes fit perfectly with our underlying lot sizes which are typically 25x100. We have a lot of historic platted lines that would work for townhouses quite easily. We did a code amendment to allow, because of the corner lots, we do have a street side yard setback that would be challenging for those 25x100 lots, so we amended our code to account for that. We have some minor land partitions that have resulted in a lot that is less than 5,000 square feet. They'll need to build a minimum duplex on those lots. As much public engagement about middle housing as we did, it's a surprise to learn a smaller lot can have a duplex and cannot have a single-family home.

Question to Dan Rutzick, City of Hillsboro: You mentioned that stacked plexes are not happening due to implications for building code. Do you have any ideas what's missing there that would enable that type?

Answered: As we head into the housing production strategy work, we need to dive deeper into really align HB2001 moving forward with these plexes, but make sure the building code is aligned as well. In talking with our development services colleagues simple middle housing is favored. That's perhaps a large reason we're talking a lot today about townhouses. I know development services planners have noted that developers aren't aware, separate from the stack plexes, you can do a duplex that's fairly simple. This begs the question why not a town home at that point do, but the duplex is a different housing type. In digging deeper, I recognize that opportunities for duplexes vs town homes that can be simple, but there's an education piece with local governments to get out to the development community. I'm curious what others are seeing around opportunities for simple duplex vs development.

Follow up question: Did you consider a form-based code instead? I see that you also mentioned that the density maximum is a big question mark for what people can do.

Answered: I don't remember mentioning a density maximum being problematic other than town homes come into small lots, which is super exciting. I don't know of any challenges around maximums in that case when we undertook the HB2001 code amendments two years back bring into our code. We have not explored moving into a form-based code. But as we look at the housing production strategy, we're going to be doing a parallel housing code audit, which would be a great opportunity to identify additional barriers that exists in our code. That can open up questions of how many jurisdictions that have codes dating back decades that have been added down the road look at having more holistic approach. Because that in and of itself is a barrier to housing production.

Question to Morgan Tracy, City of Portland: You mentioned the challenge with the long-term outlook for middle housing, land division plan, projects, which relates to these maintenance agreements vs HOA situations. Did you study how this worked out in Houston, Texas which did a minimum lot size reform for townhouses in 1998 and added 80,000 town home units infill in their city. I think it's been 25 years those reforms were in place.

Answered: I don't think it's a function of the lot size. It's what is the resolution when something goes wrong on the project. All these shared elements, the utilities, the siding, the roofing, access when something goes wrong on somebody's property. If all the neighbors in that project get along it's fine. But if there's an uncooperative resident in one of those units it will be a challenge unless there's some sort of form of governance, however that's manifested to address that. It's outside our zoning so we flag this for a possible problem. The middle housing land divisions don't require an HOA. It's like everything else about middle housing. We have things for big projects, we have things for single houses, it's what's in the middle building code, governance, financing, all these things are part of it. We've tackled the zoning aspect of that, and these other things will come along over time.

Circling back to Mr. Rutzick's response on the form-based code, a problem that Portland got into was we started with a form-based approach in terms of how middle housing would integrate into the neighborhoods with a large primary structure and a detached accessory structure and focused on that form and didn't allow for some of the detached options to occur. This compounded the problem of all the multiple options and what we call this vs a detached duplex vs a duplex vs two town homes that are all virtually same thing as two units. If we step back a little from being so prescriptive around those form things I think we can simplify and open up options for development.

Question to Jim Wheeler, City of Gresham: What are lot sizes that you are seeing for the middle housing land divisions? What are the averages that those are coming in at your city?

Answered: We only have one subdivision where it's anticipated with future middle housing land division. Those lot sizes were generally above 10,000 square feet so that when they do the middle housing land division for detached units, they are down to somewhere in the 25 to 3,000 square foot range. The rest are townhouses which are under 2,000 square feet.

Question to Anna Slatinsky, City of Beaverton: You mentioned that you did an analysis in Beaverton in terms of what the feasibility was for middle housing redevelopment. Did you come across a magic number for the number of units that would have to be allowed on a residential lot to enable that redevelopment to occur.

Answered: Economically, no. The key variable was actually the value of the existing lot and development. Older homes and neighborhoods that have lower property values were more likely to pencil a demo and redevelopment of that site because it's just so you could reduce that number. Middle housing is talking about units, not apartment buildings. That really wasn't the issue. The issue was the high value of the existing homes and property. In order to have it make sense to do something else, you have to be able to make a profit that is greater than what you've already got. I will note we have seen homeowners coming who are interested in developing around an existing home and even sometimes developers. So that actually kind of sidesteps that question of what you lose in order to build middle housing if you're going to demo something. The challenge there is that then you have to work around the physical location of that existing home. In Beaverton a lot of homes are placed in the middle of a lot. How do you fit in the infrastructure? How do you fit in the space between building? How do you fit in the side yard setbacks, even if they're quite narrow? It can be challenging to do that.

Question to Miranda Bateschell, City of Wilsonville: You mentioned the CCNR's. How much of an impact do you think that's going to have in your city in terms of being able to allow middle housing internal conversions as well as redevelopment or infill?

Answered: It's really hard to tell at this point. Any new CCNRs don't have any of those constraints. But we are aware that a lot of CCNRs, especially because we have done planned developments, there are a lot of our neighborhoods that have CCNRs. We haven't done a full inventory, but we are aware that several limit the allowance of an accessory dwelling unit or another unit on the property. So we've changed all the zoning for those neighborhoods. But they're so restricted by their CCNRs. So we do see that as a challenge.

Comments from the committee:

Rachel Loftin thanked everyone for the information. It was really helpful to hear everything that's changed around the middle housing land division with Senate Bill 2001. I actually developed plexes about five or six years ago and I still have some trauma from trying to set up HOAs for affordable housing. I encourage you to try to continue to find ways to construct this middle housing without the HOAs being a requirement, especially within the affordable side. There are very few mission-based HOA companies, and it feels like writing a blank check to build affordable housing with an HOA. You have no way of controlling it after it's set up, and planning for those expenses for the homeowner that we're building for. It would be very helpful to start seeing ways of doing land divisions, especially within some of this empty commercial and office spaces that is ripe for adaptive reuse. It would be great if we could find some ways to start splitting that up for housing that is middle income.

Sarah Radcliffe was interested to hear about the challenges around infill vs greenfield middle housing development. One idea that sounded good to me was Proud Ground a few years ago. They worked with the catalytic land cohort to look at the concept of regional land banking where TriMet, PPS, cities, counties, private landowners, anybody who owns land could put their land into a regional bank that would hold the land and potentially even make some initial investments to get it shovel ready if funding was available to do that and then make that land available on a competitive basis to housing developers, particularly affordable housing developers. Is that an idea that has circulated or that you think has any traction or might be useful?

Anna Slatinsky noted since we're talking about HB2001 and building middle housing, I think we're probably coming at it more from a regulatory perspective. I don't think there's anything in the middle housing regulatory aspect that would impede or interfere with that. I don't know if we would want to use zoning as a tool to incentivize it either. It's a fascinating concept but I don't know whether there's a regulatory dimension to that, at least on the zoning and land use side. Chair Kehe added Metro runs a transit-oriented development program that purchases land. This will certainly be looked into.

Brett Morgan noted this was a really good presentation with lots there to pull out. I put something in the chat related to Sarah's comment on housing conversion as a huge opportunity to be had and looking at strip malls, especially because they exist along orphan highways and existing transit networks. I think when we think of conversion of existing space, we tend to think of big box office spaces. But there's a lot of scalabilities here to think about. I'm curious if more could be added on how system development charges infill and come together in relation to the cost to develop. So when a housing unit is developed one thing we're very focused on here at 1000 Friends is keeping the total amount of infrastructure hook ups needed to bring that housing online low, in order to keep the cost per door low. In what ways are you able to expand or improve upon or utilize your existing infrastructure networks? What are some of the bottlenecks you might be running into in terms of infrastructure? Maybe there's sewer issues, water issues? It looks so different in every community.

Vera Kolas noted talking about SDCs, all our development is infill for the most part. For us, SDCs predominately are actually where a pass through for county SDC parks and wastewater treatment. So it's not pipes in the ground, it's the treatment of the wastewater. The parks fee is for maintaining parkland that presumably each of the dwelling units will be using that infrastructure and helping maintain that. Other communities that have more greenfield type of development probably have different answers.

Anna Slatinsky noted on the SDC issue I would point people who haven't seen it to the ECO Northwest report on SDC that they did for the state two years ago. It does a good job summarizing the predicament of infrastructure funding in the state of Oregon with regard to limited revenue streams for growth and a bit of diagnosis of SDC information.

A number of questions have come up around HOAs and I want to note the use of HOAs in order to govern new development when it comes to either middle housing or other kinds of development. The state actually has some requirements for those CCNRs that would be created with HOAs to make sure that they're not allowed to prohibit middle housing to be built on property within the HOA. However, existing HOAs often include these prohibitions on developing more than one home per lot. Oregon state law, the constitution in fact, is very protective of private contracts the CCNRs fall under. There's very little a city or even the state at this point can do to supersede those agreements in the form of CCNRs. These are two issues, HOA and CCNRs, but people should be aware that the development of

middle housing in a lot of existing neighborhoods, especially in the suburbs, will be constrained by these existing CCNRs. And in order to change or remove those it's really a private effort that would have to happen among the property owners that own property within that area that is governed by those private agreements. To my knowledge no one has identified an approach which would be legal in the state of Oregon for a city to essentially say to ignore the CCNR and we'll allow you to build middle housing in whatever way.

Chair Kehe asked if anyone wanted to comment on the propensity for townhouses and the concern of either the inability of developers to do plexes or a reluctance for developers for them.

Miranda Bateschell noted the majority of what we're seeing is what is the comfort of the existing market, what are the developers used to building, what's in their portfolio, what easier to finance, what is something that is seen as being more traditional and market ready. There's a lot of hesitation in terms of what we've heard about, is there a market for people who want to buy these units. And a lot of those plexes are built as condos which include issues with insurance financing. With all these issues developers are just not interested.

When we talk to developers about there's going to be a requirement for middle housing, it's all the types that are going to require conization essentially. If they can do a de-clustered cluster, and then do the middle housing land division, so essentially just create smaller single family detached, they're willing to do that. They're willing to do the town homes, they're willing to ADUs. But when it comes to being in a quad, a stacked quad as one of the housing types as I bought it that was a condo. Those are things that the market right now, developers are not wanting to produce especially not in the suburbs. I think from my perspective, if we want to see more of those unit types or seeing some cottage clusters where they aren't subdivided through a middle housing land division, we want to see those housing unit types built, then we do have to solve the issues around conization in Oregon.

Morgan Tracy noted we don't require an HOA; I don't think the middle housing land division enables us to require that. But we are seeing some units of the developers will opt to build them as condos vs trying to divide them. I guess it would be an even split. There was a comment about construction defect liability or litigation and some of the builders in Portland I've talked to, it is certainly a real thing for larger condo developments. In the greenfield areas where you have production builders build a number of condo units they are certainly sitting out there with some risk if it's a discreet fourplex here or discreet fourplex there. I think it's less so because there's a smaller target on your back and your pockets are not as deep as some of those production builders. I'm not sure how much of a dis-persuasion that is at least in terms of the discreet infill one-off projects that are happening in Portland. We have had some developers who have done things in PDX and said, well, that works in Portland, but it's not going to work in Wilsonville. Part of it is also because you're working on different kinds of development with different factors and risks.

Joseph Edge thanked the panelists for their presentations and participation.

There was a 10-minute meeting break.

2024 Urban Growth Management decision: draft regional population, household, and employment forecast (Ted Reid/ Dennis Yee/ Josh Harwood, Metro) Chair Kehe began the presentation with an overview of the purpose of the Urban Growth Management decision and project timeline, noting that MTAC will be reviewing the draft report this summer with recommendation to MTAC in August.

The report and decision context were provided by Ted Reid noting this is a forecast, not a plan, the forecast is updated every 6 years, there will be multiple peer review moments, and projections are not the only factor in the UGM decision; we will return to discuss readiness and capacity. The reason for providing the forecast as a range with results/projections was due to uncertainty with population migration rates, including climate-induced migration, macroeconomic conditions, global events, and innovations that can't be forecasted, but that impact employment (e.g., potential impacts of AI on different sectors).

Demographic information and graphs were presented by Dennis Yee. This included MSA fertility and mortality assumptions, natural change (births minus deaths) with declining birth rates the biggest factor that make this forecast different than past forecasts, and net migration with factors of expected quality of life to continue attracting migrants, affordability and cost of living and possible climate refugees. Josh Harwood added information on the increasing diversity of the population forecast.

Data was presented on employment forecasts and labor force participation including sector specific forecasts. Main takeaways from the forecast included:

The long-term trend of declining birth rates will lead to slower population growth rates.

Employment growth will slow because of declining population growth rates.

More information on the forecast was provided in the meeting packet.

Comments from the committee:

Tom Armstrong noted he was one of those that questions the warehouse and distribution declining. I'm interested to see what you have. It's not consistent with the 10-year forecast coming out of the Oregon Employment Department which shows a continued robust growth there. There's a little bit of mismatch with that sector. I'm especially concerned what it means for the region if we get it wrong and that we're not planning for enough industrial land capacity in the region because that means we're going to see sprawl to other areas and what that means for our transportation system.

Josh Harwood noted his guess is that the population forecast will drive a lot of those in the model. Mr. Yee added the forecast at the national level is declining. The warehouse transportation sector and our regional economic model is synced with that with the assumptions in the macro forecast. The Oregon Employment Department (OEA) 10-year forecast continued to see growth expanding in manufacturing. I'm not sure why that is because if they are using a similar macro forecast, they're obviously contrary to one of the top forecasters in the nation. I will be taking a closer look. The OEA forecast noted as the state economic forecast, different from the finance forecasters for the state, was shared in chat: <https://www.oregon.gov/das/oea/Documents/OEA-Forecast-0324.pdf> Their forecast has some minor decline holding steady so maybe they are similar to the OEA forecast.

Jerry Johnson noted in the chat employment density for traditional warehouse/distribution is relatively low, but it is actually pretty high for fulfillment centers. Tom Armstrong added a follow-up to Jerry's question: historically the Metro region has grown faster than Oregon and the nation. What are your capture rate assumptions in terms of the region vs. state?

Jerry Johnson was interested with the demographic forecast. Are we basically conceding at this point that we are not a major net in migration destination? We've had negative natural growth for a while. But we have benefitted from basically well-educated people quite often migrating into the area. I worry about us taking a low growth forecast and that becoming a logical issue where we can't accommodate for growth because we don't expect growth, therefore we can't get growth.

Mr. Yee noted that historically we have seen the natural change figure go up until through 2030. It's just now declining. We've seen since the great recession a steep fall off in births compared to deaths. It's just the state of affairs, not only here in this region but nationally and statewide. If we look from 1960 to today, about a third of population growth owes to that natural increase and about two thirds to net migration going forward from 2024-2045. If you sum up all those years that I'm projecting, there's only a sliver that owes to net migration, but it is a little bit positive, not enough to warrant saying that it's on that migration going forwards.

Mr. Harwood added this highlight a little bit of the tension here. This isn't what's planned, so we don't want to say that this is what we want to happen. But given the tea leaves and where we are right now it seems like a reasonable outcome. That's something to just recognize that this is not the plan, but I understand the feedback loop that you're highlighting. Mr. Lee noted the net migration is not far from being negative, it's positive. The historical average is about 15K. And that's pretty much what I'm forecasting for the region going forward. So it's not that from a migration standpoint I'm being negative. I just don't have the huge spikes nor the huge negatives because I'm not forecasting a business cycle plain and simple.

Dan Rutzick asked if you could highlight maybe two or three major differences between the Urban Growth Report 2018 and the current one. The current UGR is not there yet, but with some of the matrices, what are some of the big changes that were in that space of 2018, 2019, 2020, and now we are 2024 and quite different. Mr. Yee asked is it the UGR or the regional forecast that leads into the URG? Mr. Rutzick noted the regional forecast that leads into the UGR.

It was noted there's a big sea change in projected outlook for population that has a downshift effect on labor force supply. Then you can't have more demand than supply in this case unless especially if we're seeing labor force participation rates already topped out. That in a nutshell is what I'm seeing. The mix of jobs is a bit different. I think in the last forecast I had manufacturing jobs actually grow a little bit more just because I had a couple of sectors where I was a bit more optimistic with about in the 2015-18 timeframe. Just generally, thinking that even the service sector is not as robust in terms of year over year annual growth rate because we don't have a much population to fuel that kind of non-manufacturing sector growth.

Mr. Rutzick noted one topic that came up during last week's LUTAG (Land Use Technical Advisory Group) meeting was the mix between residential employment and the mixed-use zones has maybe shifted quite a bit because of where we are with retail commercial right now. Something came up last week that Metro is following up on, what local governments feel is appropriate split of residential vs residential commercial, residential vs employment in those mixed-use zones. The slide shown last week involves a lot of outer ring cities looking at 95% residential, 5% employment. We're still working through some of those details because it's trying to get at where we are going to be 10 years, 20 years out, vs where we are today. Mr. Yee added that's more of a UGR topic. Everything is affiliated in some fashion to the regional forecast because that's where on the demand side it starts. And then when you think about the UGR where we're doing a gap analysis, final demand, is a mix of trying to figure out what's our demand and what's our supply, and where the two meet is final demand.

Carol Chesarek asked one question about the warehouse issue. I've been hearing for a long time that the number of employees needed to run a new warehouse is shrinking as automation grows. I'm wondering if there's issue there between changes in employment vs need for warehouses and how you go for it. How is the forecast for the acreage needed for new warehousing separated somehow from

the employment? Because I think that would maybe be a concern if employment for warehousing is forecasted too low, so we don't pick up the acres needed. A second question was asked. I know the Governor wants to build a large number of new homes above what we've been building over the next 10 years. Do we need to add more employees or import them from somewhere else to meet that need? And if so, how many extra construction people would we need to add to meet that?

Mr. Yee noted that the construction question was factored in already. We know that nationwide there's a shortage of production everywhere. Not just here in the MAS, and I think the macro forecast from our advisor may have some of that factored into the construction forecast. I know you don't have my regional forecast before you, but that's one of the sectors in the particularly non-manufacturing that is one of our top growers, construction jobs. So to that extent, at least from a forecast standpoint, whether a forecast becomes reality is actually the next step.

The second question about productivity in the transportation warehousing sector is well informed because we have seen that tension grow, and we've had lively debates on this topic in past urban growth reports, and there is a separation between this jobs and land demand, or land need. Because we first start with the forecast on the employment in those sectors, and it's kind of converted with either a jobs per acre or square foot per employee combined with an FAR to get at that. We're now bordering into what we're assuming in the UGR land need for jobs. In past URG it's been argued that we should anticipate the industrial land need for warehousing to actually do down because the notion called for high stacking. While that hasn't really been the case so much here in the Portland area we've seen really high roofs. With increased automation we'll likely see them needing more flat ground and moving around on rails more, and more land area demand. They will need to be near transportation corridors for efficiency.

Tom Bouillion noted one of the things heard was that retail is projected to decline. I assume that's a brick and mortar. I think of that as a direct relationship to transportation warehousing, particularly e-commerce. It'd be helpful to understand that relationship also to the previous comment based on industrial parks that the Port of Portland's developed. I think we've seen things like fulfillment centers with a lot of automation that might have up to 2,000 employees on a site that's a little bit under 50 acres. Conversely, we've seen similarly sized lots with maybe 50 employees. In the world of warehousing, you can see a number of different types of models. I just wanted to make that point.

Mr. Yee noted warehousing is undergoing and will continue undergoing in the next decade, a transition to how we right size itself. That includes warehousing, the transportation infrastructure, trucks, rails, ships, etc. Some big changes for a host of reasons why this forecast is not set in stone. Either I misspoke or something, but I've got retail jobs in the region long term for 20 years actually growing bigger than what it is today. We do see a little bit of right sizing in the next few years as we play out the current business cycle.

Glen Bolen thought back 20 years ago when you predicted where we are today in housing costs, you were pretty close. Looking at your PA in the packet, looking at what I'm seeing as a drop in export industries, changes in migration couple with tax policy that's been in the news a lot. What are your thoughts on implications for housing price points in the future and government agencies abilities to handle O&M budgets with potential changes to those sections as well?

Mr. Lee noted the first time I did a forecast for Metro was the 1994 URR. In that forecast I forecasted out to year 2020 for population. The difference between that forecast and the current 2020 census

number is a whooping 25,000 difference. I was wrong by 25,000 people but not too shabby. In terms of home prices, I don't directly forecast them in the regional forecast. Our land use model, Metro Scope, does indeed forecast an index of housing prices on a nominal basis. The last one we did for the last UGRI I believe had prices roughly rising about 250% from that historical value. That's without HB2001, 2003, new planning things that attempt to bring more supply. Bottom line is our ability to produce production on the supply side likely projected to be out paced, so demand will outpace our supply.

Adjournment

There being no further business, meeting was adjourned by Chair Kehe at 12:02 p.m.

Respectfully submitted,

Marie Miller, MTAC Recorder

Attachments to the Public Record, MTAC meeting February 21, 2024

Item	DOCUMENT TYPE	DOCUMENT DATE	DOCUMENT DESCRIPTION	DOCUMENT No.
1	Agenda	2/21/2024	2/21/2024 MTAC Meeting Agenda	022124M-01
2	MTAC Work Program	2/9/2024	MTAC Work Program as of 2/9/2024	022124M-02
3	Memo	2/8/2024	To: MTAC and interested parties From: Eryn Deeming Kehe, MTAC Chair RE: Results from online survey about future in-person meetings	022124M-03
4	Minutes	1/17/2024	Draft minutes from MTAC January 17, 2024 meeting	022124M-04
5	Report	N/A	2024-2044 regional population, household, and employment forecast: Expert panel review summary	022124M-05
6	Presentation	2/21/2024	Middle Housing Panel	022124M-06
7	Presentation	2/21/2024	Urban growth management update: Regional forecast	022124M-07

Memo

Date: March 13, 2024
To: Metro Technical Committee (TPAC) and interested parties
From: John Mermin, Metro and Carol Chang, Regional Disaster Preparedness Organization (RDPO)
Subject: Overview of Regional Emergency Transportation Routes (RETR) Phase 2 project

PURPOSE

The purpose of this memorandum is to provide an overview of the upcoming Regional Emergency Transportation Routes (RETR) Phase 2 project

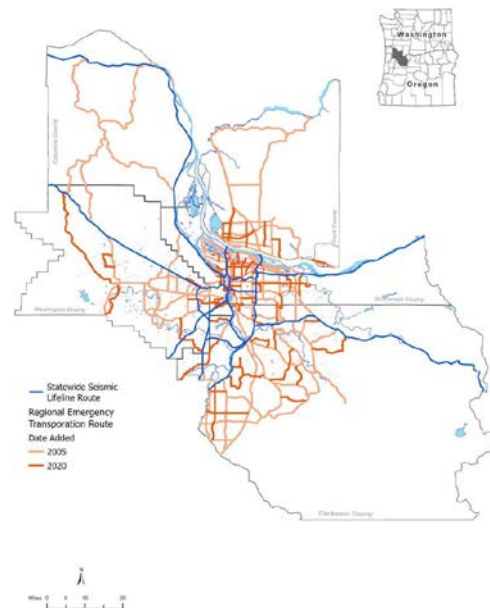
BACKGROUND

Disasters, both natural and man-made, can happen anytime, and the transportation system needs to be prepared to withstand them and to facilitate lifesaving and life-sustaining activities, including transporting first responders (e.g. police, fire and emergency medical services), fuel, essential supplies and patients.

The purpose of this project is to prioritize and tier the designated Regional Emergency Transportation Routes (RETRs) for the five-county Portland-Vancouver metropolitan region, which includes Clackamas, Columbia, Multnomah and Washington counties in Oregon and Clark County in Washington. See Figure 1.

First designated in 1996, RETRs¹ are priority routes targeted during an emergency for rapid damage assessment and debris-clearance and used to facilitate lifesaving and life-sustaining response activities. The RETRs were originally established in a memorandum of understanding (MOU) between the Oregon Department of Transportation (ODOT), Washington State Department of Transportation (WSDOT), the Port of Portland, Clackamas, Columbia, Multnomah and Washington counties and the City of Portland in the Portland-Vancouver metropolitan region in 2006. That MOU outlines responsibility for the Regional Disaster Preparedness Organization (RDPO) Emergency Management work group – referred to as REMTEC – to coordinate an update of the RETRs on a five-year cycle. That update frequency was not upheld.

Figure 1. Regional Emergency Transportation Routes



However, in 2019-2021, RDPO and Metro partnered on the first Phase of the RETR project that reassessed and updated the routes for the 5-county region. Phase 1 evaluated potential routes with a range of connectivity, resilience, and equity criteria to establish an agreed upon set of designated RETRs that connect Statewide Lifeline Routes in Oregon, local ETRs, and provide connectivity and access to state and regional critical facilities and essential destinations within and across the five-county region. The Regional ETR working group included a multi-disciplinary team of emergency management, transportation planning, and public works staff supporting the Phase 1 planning project, including development of recommendations for future work. With new technology, more

recent data, new planning initiatives at the state and local level, and mapping that had greatly expanded our understanding of hazard risks in the region—particularly seismic, landslide, flood and fire risks—89 new routes totaling 305 miles were added to the network. At the end of Phase 1, the RETR network was made up of 1,204 miles over 195 routes connecting over 75% of state and regional critical infrastructure and essential facilities.

Phase 1 also included a set of follow-on work raised by the regional partners and stakeholders. This second planning phase will build on the previous work on RETRs by developing a tiering methodology and prioritization framework.

While RETRs are all hazard routes, the tiering and prioritization process could enable the region to designate which routes among the identified RETRs should be evaluated, cleared, and opened first, next, and last in a catastrophic scenario. The RETR Collaborative Project Team and other identified stakeholder groups will provide input about the tiering methodology and help define goals, objectives, and criteria to apply.

This project can be informed by the results of the Oregon's statewide Regional Resiliency Assessment Program (RRAP) of critical infrastructure and transportation systems in Oregon, development of the social vulnerability tool for the five-county Portland-Vancouver region and fuel action planning. The results of these efforts were not available during the Phase 1 RETR project. This project will also be informed by the results of the UASI-funded transportation recovery project that partnered with Portland State University's Transportation Research and Education Center (TREC) and gathered stakeholder feedback about transportation recovery priorities and methodologies.

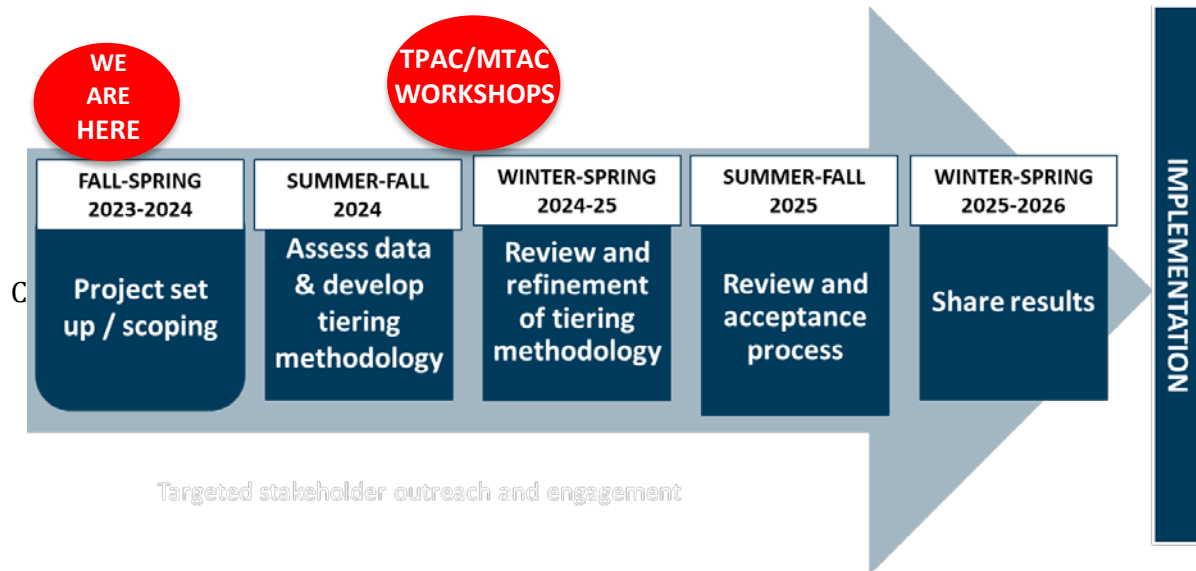
The project should be carefully coordinated with Metro's regional debris management plan priorities (e.g., clearing routes = debris removal). It may also draw from the 2023 update of the Regional Transportation Plan (RTP) at Metro and the SW Regional Transportation Committee (RTC) plan in SW Washington. In the 2023 RTP, Metro brought in the updated RETRs into its system maps in the policy chapter and strengthened resilience policy language. Given the significant seismic risks in the region, the results of the tiering process should help guide and inform on-going maintenance and capital investments to ensure top tier routes are increasingly becoming seismically resilient.

This project will not provide sufficient detail to prioritize bridge and roadway seismic retrofits on a given roadway. Additional engineering evaluations would be needed to determine the needs for bridge and roadway seismic retrofit projects. Future RETR planning phases could include completion of a more in-depth vulnerability assessment of designated RETRs, identification of marine ETRs in the region, and evaluating bike and pedestrian options for emergency transportation.

This project was identified in the 2023 Regional Transportation Plan (RTP) implementation chapter (Chapter 8). Funding for the project is provided by the Urban Areas Security Initiative (UASI) program. Managed by the Department of Homeland Security (DHS) through the Federal Emergency Management Agency (FEMA), the UASI program makes funding available to enhance regional preparedness in major metropolitan areas throughout the United States and directly supports expanding regional collaboration to assist in the creation of regional systems for prevention, protection, response and recovery.

NEXT STEPS

Metro and RDPO are jointly kicking off the Regional Emergency Transportation Routes Phase 2 process. The timeline for the update is shown in Figure 2.

Figure 2. Draft timeline for tiering and prioritizing regional emergency transportation routes

The project team is in the process of developing a project website and will be hiring a consultant to help with the technical work this Spring. The project team is also in the process of forming a work group, made up of about 20 staff from agencies around the 5-county region, including transportation planners and emergency management professionals. To keep the size manageable, we are seeking one representative per agency to meet quarterly throughout the project. The representative would be responsible for coordinating with relevant staff at their agency.

As in Phase 1, this project will engage existing RDPO and Metro technical and policy committees and working groups as well as select briefings to county-level technical coordinating committees to engage individual cities within each county in a coordinated manner. Recent and upcoming briefings include:

- February 2 Transportation Policy Alternatives Committee (TPAC)
- March 20 Metro Technical Advisory Committee (MTAC)
- April 18 Joint Policy Advisory Committee on Transportation (JPACT)
- April 19 SW Washington Regional Transportation Advisory Committee (RTAC)
- May 7 SW Washington Regional Transportation Council (RTC) Board

Staff will engage and consult with transportation, emergency management and public works departments of each county and the City of Portland (via the RDPO's working groups for these disciplines). Other agencies and groups will be engaged and consulted as key stakeholders due to their roles in emergency response and/or critical infrastructure and social services for vulnerable populations, including community-based organizations.

Staff will bring deliverables to TPAC, Joint Policy Advisory Committee on Transportation (JPACT), the Southwest Regional Transportation Council (SW RTC), the Metro Council, the RDPO Steering Committee and the RDPO Policy Committee for input at key milestones throughout the process. The RETR Phase 2 project will deliver a GIS-based tiering methodology for comparing different RETR segments, an accompanying report for use by state, regional and local entities in planning for resiliency, recovery and emergency response, and an online viewer to share data layers and methodology.

Recommendations will be brought forward for review and consideration for endorsement by regional policymakers, including the RDPO Steering Committee, the RDPO Policy Committee, the Metro Council, JPACT and the SW RTC.

For questions about this topic, please contact John Mermin john.mermin@oregonmetro.gov or Carol Chang carol.chang@portlandoregon.gov