

Agenda



Metro

600 NE Grand Ave.
Portland, OR 97232-2736

Meeting: Metro Technical Advisory Committee
Date: Wednesday, January 17, 2018
Time: 10:00 a.m. – noon
Place: Metro Regional Center, Council Chamber

- | | | | |
|------------------|----|--|--|
| 10:00 am | 1. | Call To Order, Declaration Of A Quorum And Introductions | Tom Kloster, Acting Chair |
| 10:05 | 2. | Comments From The Chair And Committee Members | Tom Kloster, Acting Chair
Committee Members |
| 10:15 | 3. | Community Communications on Agenda Items | All |
| 10:20
30 min. | 4. | 2018 RTP: Update on Schedule, Technical Evaluation, Engagement Activities and Regional Leadership Forum #4 | Kim Ellis, Metro
Clifford Higgins, Metro |
| | | Purpose: Update MTAC on 2018 RTP activities and provide information on upcoming RTP activities | |
| | | · Information/Discussion | |
| 11:00
30 min. | 5. | Emerging Technologies Strategy: Draft Policy Language | Eliot Rose, Metro |
| | | Purpose: To collect feedback on the draft policy language that will be included in Metro's Emerging Technologies Strategy. This information was developed based on feedback from MTAC and TPAC members at the January 3 TPAC/MTAC Workshop | |
| | | · Information/Discussion | |
| Noon | | Adjourn | |

Next Joint TPAC/MTAC Workshop: February 7
Next MTAC meeting: February 21

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2018 MTAC Work Program
As of 1/11/18

<p><u>January 17, 2018</u> Comments from the Chair:</p> <ul style="list-style-type: none"> Urbanism Next Conference, March 5-7 Oregon Active Transportation Summit, March 15-16 <p>Agenda Items:</p> <ul style="list-style-type: none"> 2018 RTP: Update on Schedule, Technical Evaluation, Engagement Activities and Regional Leadership Forum #4 <u>Information/Discussion</u> (Ellis/Higgins, 30 min.) Emerging Technologies Strategy: draft policy 	<p><u>February 21, 2018</u> Comments from the Chair:</p> <ul style="list-style-type: none"> Urbanism Next Conference, March 5-7 Oregon Active Transportation Summit, March 15-16 <p>Agenda Items:</p>
<p><u>March 21, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p> <ul style="list-style-type: none"> Draft RTP Policy Chapter Changes (Ellis, 40 min.) Draft RTP Implementation Chapter (Ellis, 40 min.) 	<p><u>April 18, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p> <ul style="list-style-type: none"> Draft Transit Strategy (Snook, 60 min.) Draft Emerging Technology Strategy (Rose, 45 min.)
<p><u>May 16, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p> <ul style="list-style-type: none"> Draft RTP (focus on policy and implementation chapters) (Ellis) 	<p><u>June 20, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p> <ul style="list-style-type: none"> RTP Livable Streets and Design Classification Map Update <u>Information/Discussion</u> (McTighe, 15 min)
<p><u>July 18, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p>	<p><u>August 15, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p> <ul style="list-style-type: none"> 2018 Urban Growth Management decision (recommendation to MPAC, if requested by MPAC) Discuss RTP public comments and frame policy issues for MPAC discussion
<p><u>September 19, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p>	<p><u>October 17, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p>
<p><u>November 21, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p> <ul style="list-style-type: none"> Discuss RTP public comments and policy issues identified for MPAC discussion – Recommendation to MPAC 	<p><u>December 19, 2018</u> Comments from the Chair:</p> <p>Agenda Items:</p>

Upcoming Events

March 2, 2018: RTP Regional Leadership Forum #4 (Finalizing our Shared Plan for the Region)

Parking Lot

- Transportation resiliency

*For agenda and schedule information, call Paulette Copperstone @ 503-797-1562 or e-mail paulette.copperstone@oregonmetro.gov
For closure or inclement weather information, call 503-797-1700. Announcements will be posted by 6:30 a.m.*

Memo

Date: January 10, 2018
 To: Metro Technical Advisory Committee (MTAC) and interested parties
 From: Kim Ellis, RTP Project Manager
 Clifford Higgins, Communications Supervisor
 Subject: 2018 RTP Investment Strategy Development and Refinement

PURPOSE

The purpose of this memorandum is to update the Metro Technical Advisory Committee (MTAC) on 2018 RTP update related work that is planned or underway, and the timing of upcoming discussions and engagement activities that will lead to adoption of the 2018 RTP and strategies for freight, safety, transit, and emerging technologies (RTx) by the end of 2018. Planned upcoming discussions for 2018 are provided in **Attachment 1**. Planned engagement activities are summarized at the end of this memo.

ACTION REQUESTED

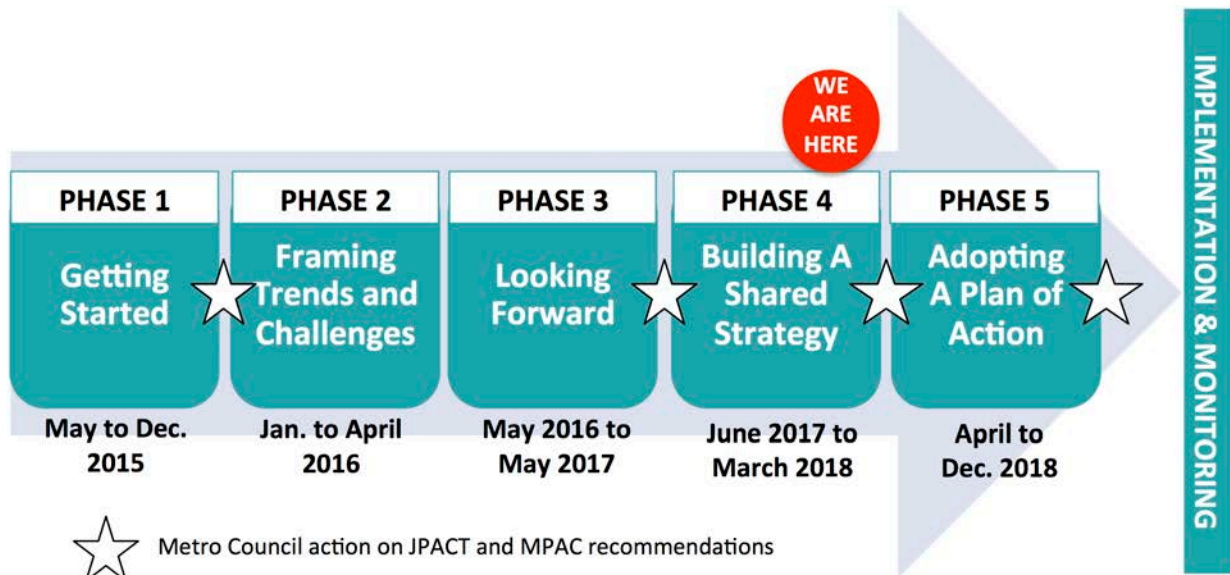
No formal action is requested. This is an opportunity for MTAC to ask questions about the work underway and planned engagement activities.

BACKGROUND

The Portland metropolitan region’s economic prosperity and quality of life depend on a transportation system that provides every person and business in the region with equitable access to safe, efficient, reliable, affordable and healthy travel options. Through the 2018 RTP update, the Metro Council is working with leaders and communities throughout the region to plan the transportation system of the future by updating the region's shared transportation vision and investment strategy for the next 25 years.

Shown in **Figure 1**, the plan update is in Phase 4 and on schedule.

Figure 1. Timeline for 2018 Regional Transportation Plan Update



In December 2016 and February 2017, the Council reaffirmed their direction to staff to use development of the 2018 RTP to clearly and realistically communicate our transportation funding outlook and align the financially constrained project list with updated financial assumptions. This direction included developing a pipeline of priority projects for the regional transportation system for Metro and other partners to work together to fund and build. The Council also directed the RTP project list and RTP modal and topical strategies be developed in a transparent way that advances adopted regional goals, supports regional coalition building efforts, and emphasizes social equity, safety and climate change. On May 30, the Council further directed staff to move forward with the 2018 RTP Call for Projects as recommended by the Metro Policy Advisory Committee (MPAC) and the Joint Policy Advisory Committee on Transportation (JPACT).

Since May, staff continued to implement the adopted work plan and public engagement plan, consistent with previous Council policy direction. A summary of accomplishments and activities that are underway follows.

Project list development, evaluation and refinement

- **Call for Projects completed in August.** Staff completed the initial RTP Call for Projects, working with the counties and cities, TriMet, ODOT and other agencies to update the region's project priorities based on direction provided by the Metro Council and JPACT. An interactive map of the projects submitted for evaluation and public review is now available at:

<http://drcmetro.maps.arcgis.com/apps/webappviewer/index.html?id=bd3660b8b7b347f4929edc85d758305f>

In addition, a summary and lists of the projects submitted can be downloaded from the project website at: www.oregonmetro.gov/2018projects

- **System level and transportation equity performance evaluation continues.** Metro staff is completing the technical evaluation, using the updated evaluation framework agreed upon by JPACT and the Metro Council in May.

Through the end of 2017, staff reviewed the results with the technical work groups, TPAC and MTAC to develop findings for public review and discussion by JPACT, MPAC and the Metro Council in early 2018. Multnomah County and the Oregon Health Authority staff are completing a health impact assessment of the draft RTP projects. This information will be presented to TPAC and MTAC when available.

In addition, staff are preparing a discussion guide for policymakers that summarizes what was evaluated and findings from the evaluation. The final discussion guide will be available in February, in advance of Regional Leadership Forum #4. Based on feedback from TPAC and MTAC discussions, the guide will provide information on what was evaluated and how the different investment strategies performed, with comparisons to the adopted Climate Smart Strategy to the extent possible.

- **Assessment of the pilot project evaluation continues.** Metro staff summarized comments received from partner agencies on the pilot evaluation for initial discussion at a Dec. joint MTAC/TPAC/RTP Work Groups workshop. Through the end of 2017, staff reviewed the assessment and agency comments with the Performance Measure work group, TPAC, and



Updated RTP Evaluation Framework
advances how we measure outcomes to inform priorities

MTAC, and developed initial recommendations for refinements. Proposed refinements to the project evaluation process and criteria will be brought forward for discussion by TPAC, MTAC and policymakers in early 2018 in advance of the draft project list refinement and final evaluation.

- **Refinement of draft RTP project lists.** Planning for the project list refinement period is underway. In March, staff will seek MPAC and JPACT endorsement of key takeaways from the Regional Leadership Forum #4 and 2018 RTP project priorities to inform refinement of the draft RTP project lists, with a focus on the first 10 years of the draft RTP investment strategy. The endorsement will inform Council direction to staff to work with jurisdictional partners to finalize the draft RTP projects lists for final public review and evaluation during summer 2018. The project list refinement period is planned for late March to late April. More information on the approach for updating the RTP Project Hub data and submitting updated project lists will be provided at a future meeting.

Policy and technical updates

- **Goals, objectives, performance targets and policies review underway.** Recognizing this RTP update has an increased focus on addressing safety, equity and climate change, the adopted work plan calls for the policy framework to be reviewed and updated to more fully address these and other issues of concern identified through the process (e.g., congestion, maintenance, emerging technologies and funding). Last May, JPACT and the Metro Council directed staff to review and refine the RTP policy chapter, including:
 - **Review of RTP goals and objectives,** particularly goals related to safety, equity, climate change, accountability, transparency, congestion, maintenance, emerging technologies and funding. The review will seek to:
 - clarify the distinction between the vision, goals, objectives, performance targets and policies and their role in performance-based planning and decision-making;
 - reduce redundancy between the goals and objectives;
 - reflect priority outcomes identified through the process; and
 - better align the objectives with existing or desired data, including updated system evaluation and transportation equity measures and updates to the RTP performance targets to meet regional goals and federal and state requirements.
 - **Review of performance targets** to meet regional policy goals and federal and state requirements. The review will seek to:
 - clarify and update definitions and terms related to performance-based planning and measurement;
 - identify gaps in existing performance targets and opportunities to reduce redundancy;
 - update performance targets;
 - streamline how the 2018 RTP addresses state and federally-required target-setting and on-going performance monitoring, and reporting; and
 - define an action plan for system monitoring, including an approach to data collection, maintenance, sharing, and methods development.
 - **Review of modal policies and maps,** particularly the throughways/arterials, transit, and freight policies and system maps for each network. This review will seek to:
 - compile recommended changes to RTP system maps;
 - add a new freight safety policy;
 - expand policies for transit to reflect desired ridership, accessibility, convenience, frequency, reliability, and affordability performance outcomes;
 - expand policies for throughways and arterials to reflect desired access/connectivity, reliability and safety performance outcomes;
 - update relevant design policies;
 - draft new policy sections related to address safety, equity, climate change, and emerging technologies; and

- clarify the distinction between the modal policies in the RTP and modal strategies in the Regional Transit Strategy, Regional Freight Strategy and Regional Safety Strategy that are being developed concurrent with updating the RTP.

The regional bike and pedestrian network policies will not be subject to this review because they were extensively reviewed and updated as part of the 2014 Regional Active Transportation Plan. The system maps may be updated to reflect additions or updated functional classification designations stemming from local transportation plan updates and the RTP Call for Projects.

TPAC and MTAC will discuss initial findings and recommendations from this review at the February joint workshop and March committee meetings. Discussions are expected to continue in 2018. JPACT and MPAC will have an opportunity to discuss recommended policy chapter changes in May as part of the draft RTP discussion.

- **Financially constrained funding assumptions updates to reflect House Bill 2017 underway.** Metro staff will participate in an ODOT-led working group tasked with updating the state transportation revenue forecast. An updated forecast is anticipated in Spring 2018. Council and JPACT will discuss the updated forecast when available.
- **Update to RTP implementation chapter to begin in 2018.** Metro staff will begin work to update the implementation chapter in early 2018. This chapter outlines future studies and other work needed to advance implementation of the RTP or resolve issues that could not be fully addressed during the update. This will include updating sections on needed regional mobility corridor refinement plans, planned project development activities (e.g., Southwest Corridor and Division Transit Project), performance monitoring, and other implementation activities to be undertaken post-RTP adoption. TPAC and MTAC will discuss staff recommendations for updates to this chapter in March 2018. Discussions are expected to continue in 2018. JPACT and MPAC will have an opportunity to discuss recommended implementation chapter changes in May as part of the draft RTP discussion.
- **Development of a transportation recovery and disaster preparedness element underway.** Metro staff will partner with Portland State University and the Regional Disaster Preparedness Organization (RPDO) to map previously identified regional emergency transportation routes and prepare recommendations for future work and partnerships needed to more fully address this issue prior to the next RTP update (due in 2023). TPAC and MTAC will discuss the identified regional emergency transportation routes and recommendations for future work in Spring 2018.

Modal and topical strategies development

- **Development of the Regional Transit Strategy continues.** Staff continue to work with the Transit Work Group to develop a draft strategy, update the System Expansion Policy and define Enhanced Transit Concept (ETC) pilot corridors to advance to project development funded by the 2019-21 Regional Flexible Funds Allocation (RFFA). TPAC discussed a proposed approach to the ETC pilot work at the October meeting, including working with County Coordinating Committees to identify the potential universe of Enhanced Transit locations to inform upcoming jurisdictional workshops. TPAC and MTAC will discuss a technical review draft transit strategy at their April 2018 meetings and receive periodic updates on the ETC work. The Metro Council, MPAC and JPACT will discuss the draft strategy in April and May 2018, before it is released for public review in June.
- **Update to the Regional Transportation Safety Strategy continues.** Staff finalized work with the Safety Work Group to develop a draft strategy for technical review. TPAC and MTAC discussed a technical review draft safety strategy at their November 2017 meetings. The Metro

Council, MPAC and JPACT will discuss the draft strategy in February and March 2018, before it is released for public review in June.

- **Update to the Regional Freight Strategy continues.** Staff finalized work with the Freight Work Group to develop a draft strategy. TPAC and MTAC discussed a technical review draft freight strategy at the January 3 joint TPAC/MTAC workshop. The Metro Council, MPAC and JPACT will discuss the draft strategy in April 2018, before it is released for public review in June.
- **Development of a policy framework and strategy for emerging transportation technologies (RTX) continues.** TPAC and MTAC discussed a proposed approach to this work at their September meetings, and discussed draft policies at the January 3 joint TPAC/MTAC workshop. The technical committees will discuss draft policies and strategies at their April 2018 meetings. The Metro Council, MPAC and JPACT will discuss a draft strategy in May 2018, before it is released for public review in June.
- **Update to Designing Livable Streets and Trails Guide continues.** Staff continue to work with the Design Work Group to update existing design practices. TPAC and MTAC received updates at their November meetings and will review proposed changes to regional design classifications maps in June 2018.

Engagement and outreach

- **Planning for 2018 public engagement and outreach activities continues.** In Jan. 2018, the draft investment priorities submitted by agencies along with findings from the evaluation will be shared with the general public for input during a planned 30-day comment opportunity. A community leaders forum will be held and targeted business outreach will occur during this period. The fourth (and final) Regional Leadership Forum is planned for Friday, March 2, 2018. The forum will be an opportunity for the Metro Council, JPACT, MPAC and invited business and community leaders to discuss public input, updated funding information and the results of the technical evaluation. Policy makers' discussions will be facilitated to articulate the 2018 RTP project priorities, particularly to identify desired project list refinements for the first 10 years of the RTP project list to better achieve regional goals for safety, equity, climate change, reliability and others.

Final public review and adoption process

- **Planning of the final 45-day public review period and adoption process is underway.** In June, staff will seek Council direction to release the Draft 2018 RTP and draft strategies for freight, transit, and safety for public review and comment. The comment period is planned for June 29 to Aug. 13 (pending legal staff review). The comment period will include a public hearing and consultation with tribes and federal and state agencies.

In early fall TPAC and MTAC will be asked to identify remaining policy issues to be discussed by MPAC, JPACT and the Metro Council prior to adoption of the 2018 RTP and strategies for freight, transit, safety and emerging technologies. The 2018 RTP will be adopted by Ordinance as a land use action to meet federal and state requirements. The strategies for freight, transit, safety, and emerging technologies (RTx) will be adopted by Resolution.

MTAC and TPAC will be requested to make final recommendations to MPAC and JPACT, respectively, in September. MPAC and JPACT will be requested to make final recommendations to the Metro Council in October. The Council is anticipated to consider final action on 2018 RTP (by Ordinance) and strategies for freight, transit, and safety (by separate Resolutions) on December 6, 2018.

More information about final public review and adoption process will be provided at a future meeting.

2018 RTP UPDATE | 2018 Council and Regional Advisory Committees Briefings

(dates are subject to change)

Month	Who	When	What
January	TPAC/MTAC workshop	1/3	<ul style="list-style-type: none"> Draft RTX policy language development Draft RTO Strategy discussion Technical review draft of freight strategy
	TPAC	1/5	<ul style="list-style-type: none"> 2018 RTP engagement activities and RLF #4 RTP Schedule and Findings Update
	Comment opportunity	1/16 to 2/12	<ul style="list-style-type: none"> 30-day on-line public comment opportunity on draft RTP investment priorities
	TEA work group	1/11	<ul style="list-style-type: none"> Updated draft Equity definition and policy framework Equity analysis findings Work group wrap-up
	MTAC	1/17	<ul style="list-style-type: none"> 2018 RTP engagement activities and RLF #4 Draft RTX policies
	JPACT	1/18	<ul style="list-style-type: none"> Update on Technical Evaluation and Schedule for Finalizing the 2018 RTP 2018 RTP Engagement and Regional Leadership Forum #4
	Community leaders forum	1/19	<ul style="list-style-type: none"> Draft RTP Project Priorities and Evaluation Findings Community response on draft RTP investment priorities
	MPAC	1/24	<ul style="list-style-type: none"> Update on Technical Evaluation and Schedule for Finalizing the 2018 RTP 2018 RTP Engagement and Regional Leadership Forum #4
February	TPAC	2/2	<ul style="list-style-type: none"> Draft RTX policies
	TPAC/MTAC workshop	2/7	<ul style="list-style-type: none"> Draft RTP Policy Chapter Changes
	Metro Council	2/13	<ul style="list-style-type: none"> RTP Evaluation Findings discussion guide and update on RLF #4 Draft RTX policies
	MPAC	2/14	<ul style="list-style-type: none"> RTP Evaluation Findings discussion guide and update on RLF #4
	JPACT	2/15	<ul style="list-style-type: none"> RTP Evaluation Findings discussion guide and update on RLF #4 Draft RTX policies
	Metro Council	2/27	<ul style="list-style-type: none"> Draft Safety Strategy
	MPAC	2/28	<ul style="list-style-type: none"> Draft RTX policies
March	Regional Leadership Forum #4	3/2	<ul style="list-style-type: none"> Shaping the final RTP <ul style="list-style-type: none"> System evaluation and equity analysis findings Public feedback on draft RTP investment priorities Community leaders' feedback on draft RTP investment priorities
	TPAC/MTAC workshop	3/7	<ul style="list-style-type: none"> Pilot project evaluation criteria refinement Technical review draft of transit strategy
	TPAC	3/9	<ul style="list-style-type: none"> RLF #4 Takeaways and 2018 RTP investment priorities Draft RTP Policy Chapter Changes Draft RTP Implementation Chapter
	Metro Council	3/13	<ul style="list-style-type: none"> Draft RTP Policy Chapter Changes (focus on goals and objectives) Pilot project evaluation findings
	MPAC	3/14	<ul style="list-style-type: none"> Draft Safety Strategy RLF #4 Takeaways and 2018 RTP investment priorities – endorsement requested
	JPACT	3/15	<ul style="list-style-type: none"> Draft Safety Strategy

2018 RTP UPDATE | 2018 Council and Regional Advisory Committees Briefings

(dates are subject to change)

Month	Who	When	What
			<ul style="list-style-type: none"> • RLF #4 Takeaways and 2018 RTP investment priorities – endorsement requested
	Metro Council	3/20	<ul style="list-style-type: none"> • RLF #4 Takeaways and 2018 RTP investment priorities – direction requested
	MTAC	3/21	<ul style="list-style-type: none"> • Draft RTP Policy Chapter Changes • Draft RTP Implementation Chapter
April	TPAC/MTAC workshop	4/4	<ul style="list-style-type: none"> • Transportation Resiliency and Emergency Routes • MAP-21 Performance Monitoring, Target Setting and Reporting • Technical review draft RTP
	TPAC	4/6	<ul style="list-style-type: none"> • Refining 2018 RTP project priorities (jurisdictional updates due by April 29) • Draft Transit Strategy • Technical review draft RTX Strategies and Policies
	Metro Council	4/10	<ul style="list-style-type: none"> • Draft Transit Strategy • Draft Freight Strategy
	MTAC	4/18	<ul style="list-style-type: none"> • Draft Transit Strategy • Technical review draft RTX Strategies and Policies
	JPACT	4/19	<ul style="list-style-type: none"> • Draft Freight Strategy
	MPAC	4/25	<ul style="list-style-type: none"> • Draft Freight Strategy
May	Metro Council	5/1	<ul style="list-style-type: none"> • Draft RTP (focus on policy and implementation chapters) • Draft RTX Strategies and Policies
	TPAC/MTAC workshop	5/2	<ul style="list-style-type: none"> • Designing Livable Streets
	TPAC	5/4	<ul style="list-style-type: none"> • Draft RTP (focus on policy and implementation chapters)
	MPAC	5/9	<ul style="list-style-type: none"> • Draft Transit Strategy • Draft RTX Strategies and Policies
	MTAC	5/16	<ul style="list-style-type: none"> • Draft RTP (focus on policy and implementation chapters)
	JPACT	5/17	<ul style="list-style-type: none"> • Draft RTP (focus on policy and implementation chapters) • Draft Transit Strategy • Draft RTX Strategies and Policies
	MPAC	5/23	<ul style="list-style-type: none"> • Draft RTP (focus on policy and implementation chapters)
June	TPAC	6/1	<ul style="list-style-type: none"> • Draft RTP, if needed • RTP Livable Streets and Design Classification Map Update
	MTAC	6/20	<ul style="list-style-type: none"> • Draft RTP, if needed • RTP Livable Streets and Design Classification Map Update
	Metro Council	6/21	<ul style="list-style-type: none"> • Direction to staff to release Draft 2018 RTP and draft strategies for freight, transit, and safety for public review
	Comment period begins	6/29	<ul style="list-style-type: none"> • 45-day public comment period on Draft 2018 RTP and draft strategies for freight, transit, and safety, including public hearings (June 29 to Aug. 13)
July			<ul style="list-style-type: none"> • 45-day public comment period continues, including public hearings and consultation with tribes and federal and state agencies
August	TPAC	8/3	<ul style="list-style-type: none"> • Discuss public comments and frame policy issues for JPACT discussion

2018 RTP UPDATE | 2018 Council and Regional Advisory Committees Briefings

(dates are subject to change)

Month	Who	When	What
	Comment opportunity ends	8/13	<ul style="list-style-type: none"> 45-day public comment period ends
	MTAC	8/15	<ul style="list-style-type: none"> Discuss public comments and frame policy issues for MPAC discussion
September	TPAC	9/7	<ul style="list-style-type: none"> Discuss public comments and policy issues identified for JPACT discussion – Recommendation to JPACT
	Metro Council	9/18	<ul style="list-style-type: none"> Discuss public comments and policy issues identified for JPACT and MPAC discussion
	MTAC	9/19	<ul style="list-style-type: none"> Discuss public comments and policy issues identified for MPAC discussion – Recommendation to MPAC
	JPACT	9/20	<ul style="list-style-type: none"> Discuss TPAC recommendation
	MPAC	9/26	<ul style="list-style-type: none"> Discuss MTAC recommendation
October	MPAC	10/10	<ul style="list-style-type: none"> Recommendation to Council on adoption of 2018 RTP and strategies for freight, transit, and safety
	JPACT	10/18	<ul style="list-style-type: none"> Recommendation to Council on adoption of 2018 RTP and strategies for freight, transit, and safety
November	Metro Council	11/6	<ul style="list-style-type: none"> Discuss JPACT and MPAC recommendations and provide direction to staff on finalizing adoption package for Council consideration
December	Metro Council	12/6	<ul style="list-style-type: none"> Consider final action on 2018 RTP (by Ordinance 18-XXXX) and strategies for freight, transit, and safety (by Resolution)

Memo



Date: January 17, 2018
To: Metro Technical Advisory Committee members
From: Eliot Rose, Senior Technology Strategist
Subject: Emerging Technology Strategy: Draft Policies

PURPOSE

To collect feedback on the draft policy language that will be included in Metro's Emerging Technologies Strategy.

ACTION REQUESTED

The purpose of this presentation is to receive feedback from MTAC members on the policy language that will be at the core of Metro's Emerging Technologies strategy. These policies were revised based on feedback from MTAC and TPAC members at the January 3 Joint TPAC/MTAC Workshop. This memorandum presents the revised draft policy language for review; the accompanying presentation provides additional contextual information about how these policies were developed.

EMERGING TECHNOLOGY PRINCIPLES

Principles outline a long-term vision for how emerging technologies can support our regional transportation goals. They apply to both public agencies and private companies. The final principles will serve as the foundation for the more detailed policies and strategies, as well as guide Metro and our partners in our technology-related planning efforts, partnerships and pilot projects. The draft principles shown below reflect feedback from Transportation Policy Alternatives Committee and Metro Technical Advisory Committee members during and following the January 3rd joint workshop. They are reprinted twice below; once in a clean version for easier reading and once with changes tracked so that readers can review changes in more detail.

Technology principles – clean version

Vibrant Communities: Emerging technologies should support our regional land use vision and enable communities to devote more space to places for people.

Prosperity: Emerging technologies should nurture locally-based companies, replace jobs lost to automation, support efficient freight movement, and create new ways to meet the transportation needs of local businesses and workers.

Choices: Emerging technologies should bring new travel options to the region and complement transit, bicycling and walking.

Congestion: Emerging technologies should help people reach their destinations more efficiently. They should reduce congestion by promoting shared trips, decreasing vehicle miles traveled, minimizing conflicts between travelers, and managing demand.

Safety: Emerging technologies should reduce the risk of crashes for everyone and protect users from data breaches and cyberattacks.

Environment: Emerging technologies should use vehicles that run on clean or renewable energy.

Equity: Emerging technologies should be accessible, affordable, and available for all; provide equitable service throughout the region; and meet the transportation needs of historically marginalized communities.

Fiscal Stewardship: Emerging technologies should contribute their fair share of the cost of operating, maintaining, and building the transportation system and make it possible to collect revenue efficiently and equitably.

Accountability: Companies that operate emerging technologies should collaborate with public agencies and share data to support policymaking, planning, and system management.

Technology principles – changes tracked

~~Foster~~ **Vibrant Communities and Efficient Urban Form:** Emerging technologies should support ~~growth and development in regional centers~~ our regional land use vision and enable communities to devote more space to places for people ~~instead of vehicles~~.

Comment [ER1]: Show markup?

~~Sustain Economic Competitiveness and Prosperity:~~ Emerging technologies should grow ~~the regional economy by increasing the number of family-wage jobs in the region,~~ nurturing ~~new~~ locally-based companies, replace jobs lost to automation, supporting efficient freight movement, and creating ~~create~~ new ways to meet the transportation needs of local businesses and workers.

~~Expand Transportation Choices:~~ Emerging technologies should bring new travel options to the region, ~~particularly to communities and people that currently lack choices,~~ while complementing ~~and complement~~ transit, bicycling and walking.

~~Emphasize Effective and Efficient Management of the Transportation System~~ **Congestion:** Emerging technologies should help people reach their destinations more efficiently. They should ~~and affordably,~~ reduce congestion by and promoting ~~shared trips over driving alone,~~ decreasing vehicle miles traveled, minimizing conflicts between travelers, and managing demand.

~~Enhance Safety and Security:~~ Emerging technologies should advance our regional Vision Zero goal by ~~reducing~~ the risk of crashes for everyone and protect users from data breaches and cyberattacks.

~~Promote Environmental Stewardship / Demonstrate Leadership on Reducing Greenhouse Gas Emissions~~ **Environment:** Emerging technologies should use vehicles that run on electricity and other clean or renewable sources of energy ~~and reduce vehicle miles traveled.~~

~~Enhance Human Health:~~ Emerging technologies ~~reduce transportation-related pollution and the risk of crashes while promoting active transportation.~~

~~Ensure Equity:~~ Emerging technologies ~~are~~ should be accessible, affordable, and available for ~~to all;~~ provide equitable service throughout the region; ~~and help meet the transportation needs~~ dismantle barriers faced by ~~of~~ historically marginalized communities, ~~particularly communities of color, to create a more equitable transportation system.~~

~~Ensure Fiscal Stewardship:~~ Emerging technologies should contribute their fair share of ~~help to minimize~~ the cost of operating, maintaining, and building the transportation system and make it possible to collect transportation revenues ~~more~~ efficiently and equitably.

~~Deliver Accountability:~~ ~~Organizations~~ Companies that operate emerging technologies should collaborate with public agencies and share data to support policymaking, planning, and system management.

EMERGING TECHNOLOGY POLICIES AND STRATEGIES

The draft policies and strategies focus on the key areas where public agencies need to act in the next decade to respond to the most pressing issues presented by emerging technologies and stay on track to meet our regional goals over the long term. Policies describe the outcomes that we want to achieve; strategies describe the actions that we can take to achieve those outcomes.

Policies	Strategies
<i>Equity</i>	
<p>Ensure that emerging technologies are accessible, available, and affordable to all. Use emerging technologies to create a more equitable transportation system.</p>	<p>Partner with historically marginalized communities to understand the barriers that they face to accessing emerging technologies and develop solutions to overcome these barriers.</p> <p>Develop standards for wheelchair accessibility and service equity for new mobility services.</p> <p>Create platforms that allow all people—regardless of race, age, language and culture, immigration status, banking status, and digital access—to learn about, book, and pay for new mobility services.</p> <p>Deploy emerging technologies to connect historically marginalized communities to transit stations and to employment centers, community services, and other destinations that are not well-served by transit.</p>
<i>Choices</i>	
<p>Use emerging technologies to bring new travel options to the region and support transit, shared trips, bicycling and walking.</p>	<p>Deploy emerging technologies to provide first- and last-mile connections to transit stations and make transit more efficient.</p> <p>Manage curb space to minimize conflicts between new mobility services and transit riders, bicyclists, and pedestrians.</p> <p>Deploy technologies that improve convenience and safety for transit riders, bicyclists, pedestrians, and people making shared trips.</p> <p>Price or manage travel and design streets to encourage shared trips and transit use in high-traffic areas and locations.</p>
<i>Prosperity</i>	
<p>Ensure that emerging technologies replace jobs lost to automation, support efficient freight movement, and create new ways to meet the transportation needs of local businesses and workers.</p>	<p>Develop programs to help transportation workers whose jobs are affected by emerging technologies find new opportunities.</p> <p>Pilot test CV infrastructure along key freight corridors.</p> <p>Study the impact that on-demand delivery is having on traffic and identify ways to keep goods and people moving.</p> <p>Develop partnerships and pilot projects with new mobility companies.</p> <p>Develop policies that encourage innovation and fair competition among new mobility services.</p>
<i>Information</i>	
<p>Empower travelers to make the best choices for their trips. Plan and manage the transportation system using the best data available.</p>	<p>Make it easy for people to plan and pay for trips via transit.</p> <p>Develop mobility as a service platforms that allow people to compare, select, and book travel options seamlessly and competitively.</p> <p>Modernize and share public agency transportation data.</p> <p>Increase capacity to send data to and collect data from the roadside.</p> <p>Develop open data policies that ensure access to and responsible usage of public agency data.</p> <p>Collect data and conduct research on the impacts of emerging technologies.</p>

Policies

Strategies

<i>Innovation</i>	
Take a proactive role in shaping and adapting to new developments in transportation technology.	Use Metro funds and leverage local dollars to support emerging technology pilot projects that align with our goals. Partner with private companies, employers, and community groups when developing and implementing pilot projects. Shift to shorter-term, feedback-driven planning processes that allow public us to adapt to a changing transportation system. Develop and test new data, tools, systems and models to plan and manage the transportation system.

Materials following this page were distributed at the meeting.



Public comment opportunity on the 2018 RTP January 15 to February 17, 2018

Your input today will help guide decision-makers as they continue to refine and focus investments before adopting the Regional Transportation Plan in late 2018.

There's a reason our region is such an extraordinary place to call home - decades of careful planning have created inviting neighborhoods, supported a diverse and growing economy, protected our farms, forestland and natural areas, and built a world-class transportation system. Because of our dedication to planning and working together, Metro is seeking your input on the priorities you want to see in the 2018 Regional Transportation Plan.

Your voice is important

The choices we make today about how we live, work and get around will determine the future of the region for generations to come.

You are invited to provide feedback on the plan during the **public comment period from Jan. 15 through Feb. 17, 2018.**

The 2018 Regional Transportation Plan provides the opportunity to update the investments we will make in roads, sidewalks, bikeways, transit and freight routes to support communities today and in the future. This update is an opportunity to define how we will create a safe, reliable, healthy and affordable transportation system for the next 25 years.

Visit 2018rtp.metroquest.com to provide your input and have your voice heard.

SHARE YOUR THOUGHTS January 15 to February 17

Let us know what you want the greater Portland region's transportation system to look like in 2040.

Take the survey at:

2018rtp.metroquest.com

Your input will be shared with regional decision-makers as they work together to provide direction on finalizing the project priorities to be included in the 2018 RTP.

Learn more about the 2018 RTP at oregonmetro.gov/rtp

Metro Emerging Technologies Strategy: Glossary

Emerging technologies is a blanket term that we use throughout this plan to refer to new developments in transportation technology. We use it to refer both to “technologies” like automated vehicles or smart phones and services that operate using these technologies, like car and bike sharing.

We discuss the following emerging technologies in this strategy:

Automated vehicles (AVs) use sensors and advanced control systems to operate independently of input from a human driver. Transportation experts have developed a five-level system to distinguish between the different degrees to which automation can assist a human driver;¹ in this plan we focus on Level 4 or 5 AVs, which can operate independently of a driver under most or all conditions.

Connected vehicles (CVs) communicate with each other or with infrastructure like traffic signals and incident management systems. Since it seems increasingly likely that vehicles in the near future will include both automated and connected elements, we typically use “AVs” to refer to both AVs and CVs.

Connected vehicle (CV) infrastructure, such as traffic signals and roadside sensors, communicates information to CVs in order to help them navigate the transportation system safely and efficiently.

Electric vehicles (EVs) use electric motors for propulsion instead of or in addition to gasoline motors.

Transportation network companies (TNCs) like Uber and Lyft use apps and websites to connect passengers with drivers who provide rides in their personal vehicles.

Microtransit services such as Via, Chariot, and Leap use smart phones to allow riders to book trips and collect data to tailor routes, and typically serve these routes with vehicles that are smaller than conventional buses.

Car sharing services allow people to rent a nearby vehicle for short trips and pay only for the time that they use. Different car sharing service types include:

- Stationary car sharing (ZipCar, in some cases ReachNow), under which cars are kept at fixed stations, and users pick up cars from and return them to the same station.
- Free-floating car sharing (Car2Go, ReachNow), which allows people to pick up and drop off cars anywhere within a defined service area.
- Peer-to-peer car sharing (Getaround, Turo), which enables people to rent cars from their neighbors on a short-term basis.

Bike sharing systems like BIKETOWN in Portland make fleets of bicycles available for short-term rental within a defined service area. Some bike sharing systems now offer electric bikes.

Traveler information and payment refers to the numerous new ways in which technology enables people to learn about and pay for their travel options online. These services can help people compare different ways of getting around (moovel, Google Maps), get detailed information on their mode of

choice (TransitApp, Ride Report, Waze), track and share their trips (Strava, MapMyWalk), and pay for trips (TriMet's Tickets app, Uber/Lyft).

Common ways of grouping some of these technologies together include:

New mobility services refers to transportation services like TNCs, microtransit, car sharing and bike sharing, which are powered by smart phones and other emerging technologies. These services are usually privately operated by **new mobility companies**.

Shared mobility describes newer services that allow people to share a vehicle, such as TNCs, car and bike sharing, and microtransit, as well as traditional shared modes like transit, car- or vanpools, and taxis. These services are usually privately operated, by **shared mobility companies**.

Shared trips are trips taken by multiple passengers in a single vehicle, including carpools, transit trips, and some TNC or car share trips.

Smart cities refers to the ways in which public agencies are using technology to efficiently provide better service and make better decisions.

¹ <https://www.nhtsa.gov/technology-innovation/automated-vehicles-safety>



Metro

Emerging technology strategy: draft policies

Metropolitan Technical Advisory
Committee, January 17, 2018

Purpose: To collect feedback on the draft policy language that will be included in Metro's Emerging Technologies Strategy.

Our challenge: to harness the potential of emerging technologies to create a more equitable and livable region.

“Emerging technologies”



Automated vehicles (AVs)



Connected vehicles (CVs) and CV infrastructure



Electric vehicles (EVs)



Transportation network companies (TNCs)



AV/EV transit vehicles



Microtransit



Car share



Bike share

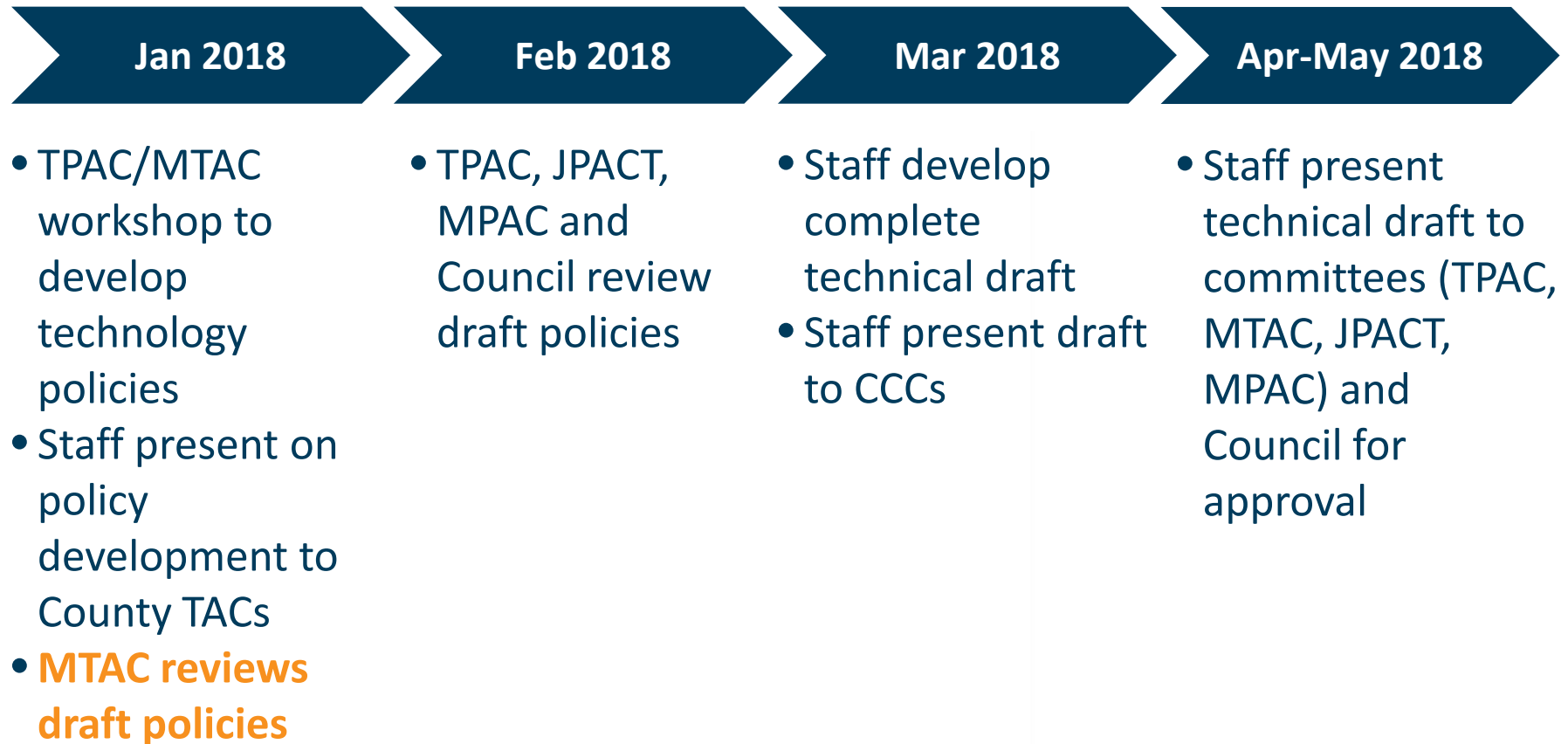


Travel information and payment



New data sources

Strategy development timeline



Outreach activities so far

- Today's presentation
- Online surveys (ongoing)
- Joint MTAC / TPAC workshop (January 3rd)
- Previous presentations at Metro committees and county TACs
- Meetings with staff, advocates, and decision-makers

Policy framework



Principles

- Apply to **public agencies** and **private companies**
- Outline a **broad, long-term vision**
- Wordsmithed during **workshop**

Policies & strategies

- Apply to **public agencies**
- Focus on key areas where we need to act in the **next decade**
- We are discussing these **today** and through a **survey**

Actions

- Apply to **Metro**
- Describe critical steps we need to take in the **next two years**
- To be developed based on policies

What have I learned from the feedback I've received?

- Choices and congestion are important concerns. Be pro-people, not anti-vehicle.
- Equity isn't just about access – it's about affordability, availability, and displacement.
- Privacy and cybersecurity are key safety issues.
- Most of our partners are somewhat optimistic about technology, and could use Metro's support.
- Value clarity over consistency.

The next ~~ten~~ five years



Shared AVs will hit our streets.



People will use TNCs more—and there will be more TNCs.



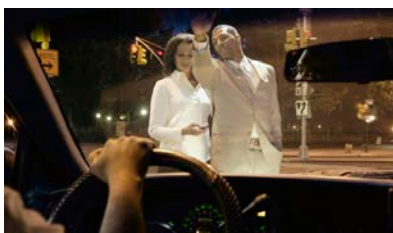
Technology will advance without much public participation...

...or we help shape how the transportation system evolves



Congestion will get worse as new choices conflict with current ones...

...or we ensure that new technologies complement our current options



Disadvantaged people and workers will fall farther behind...

...or we use technology to create a more fair and just transportation system

Key policy areas

Choices

Equity

Information



Prosperity

Innovation

Key policy areas

Equity → Vibrant communities, congestion, choices,

Prosperity → equity

Choices → Vibrant communities, congestion, safety, environment, equity

Information → all our goals

Innovation → all our goals, especially stewardship¹¹ and prosperity



Discussion

The memo contains:

- Draft principles (broad, long-term vision) – as edited since we workshopped them
- Draft policies (desired outcomes in key areas)
- Draft strategies (how we achieve outcomes)

The survey remains open if you want to provide additional feedback.

<https://www.surveymonkey.com/r/NLR6QW>

Strategy development timeline

