

Transportation Advisory Committee

Meeting date: December 16, 2024

Agenda Item #: 6 (Attachment D)

2050 Regional Transportation Plan Scenario Planning

Agenda item type: Discussion

Summary

Follow-up on scenario planning analysis activities for the update to the 2050 Metro Vision Regional Transportation Plan.

Background

For the major update to the RTP, staff are interested in completing a new scenario analysis to further refine the investment priorities identified in the 2050 RTP. At the October TAC meeting, staff provided a recap of the previous scenario planning analysis results from 2020, discussed the latest population and employment forecasts for the region, and sought feedback from members on the most important topics impacting transportation and land use in the region.

Staff have similarly sought feedback from the Regional Transportation Committee and DRCOG Board of Directors. Combined with the results from internal feedback, the following themes have been identified:

- Growing older adult population and associated changes in needs and priorities (housing, healthcare, transportation).
- Increasing disruptions and environmental impacts from climate change on the region's infrastructure (transportation, housing, power)
- Continued proliferation of new technologies (artificial intelligence, automation, autonomous/connected/electric vehicles).
- Staying power of post-COVID trends (work from home, home delivery, e-commerce).

At the December TAC meeting, staff will provide an update on the results from committee feedback and potential next steps for the scenario planning analysis.

Action by others

None

Previous discussion/action

[October 28, 2024](#) – Transportation Advisory Committee

Recommendation

None

Attachment

Staff presentation

For more information

If you need additional information, please contact Alvan-Bidal Sanchez, Regional Transportation Planning Program Manager, at 720-278-2341 or asanchez@drcog.org.





Regional Transportation Plan Scenarios Follow-Up

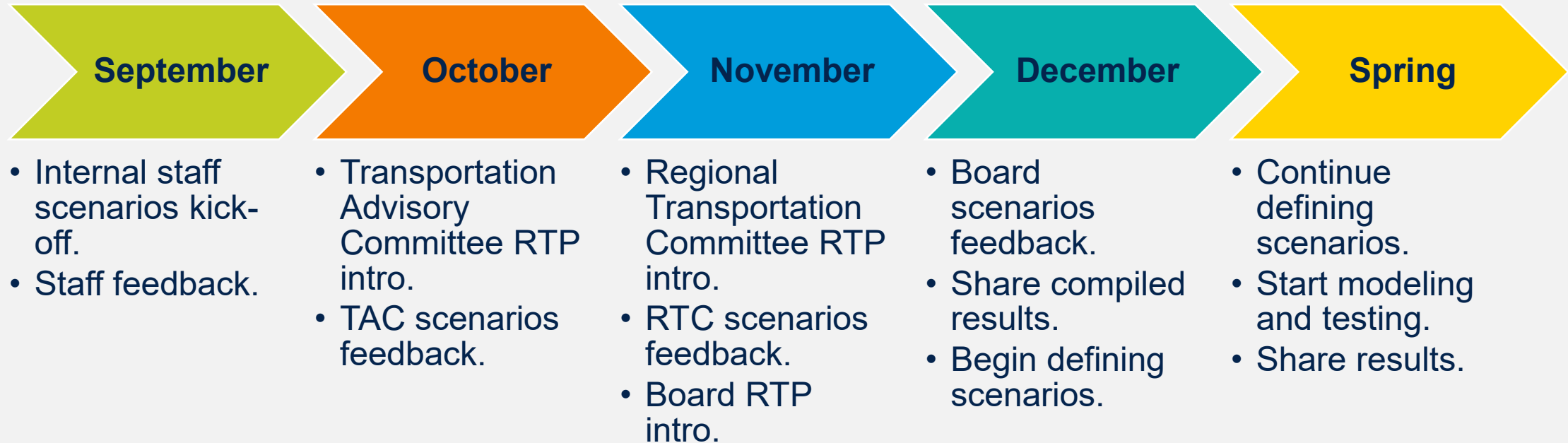
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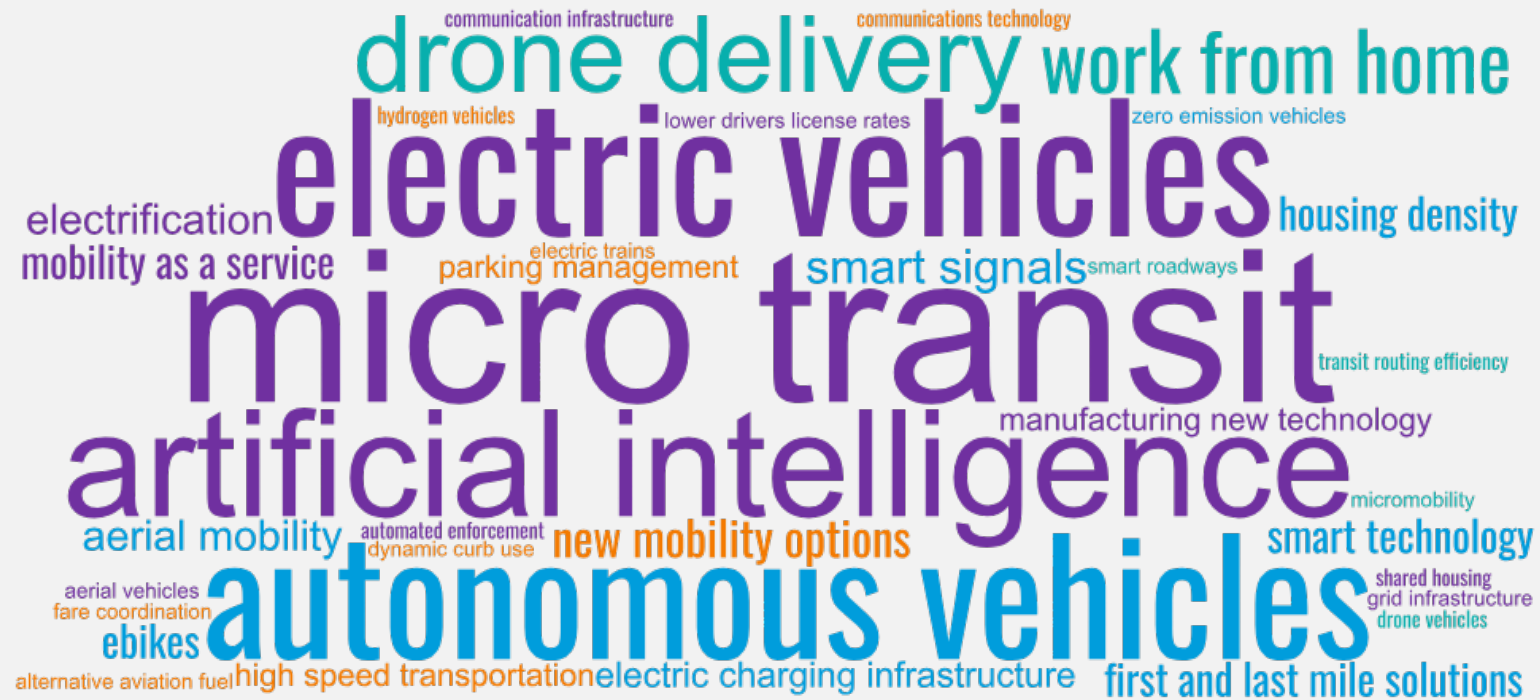
2050 RTP Update - Major activities

	2024				2025				2026			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Scenario planning												
Financial planning												
Candidate projects												
AQ and GHG modeling												
Document development												
Public and stakeholder												
Adoption and finalization												

Schedule



Technological advancements



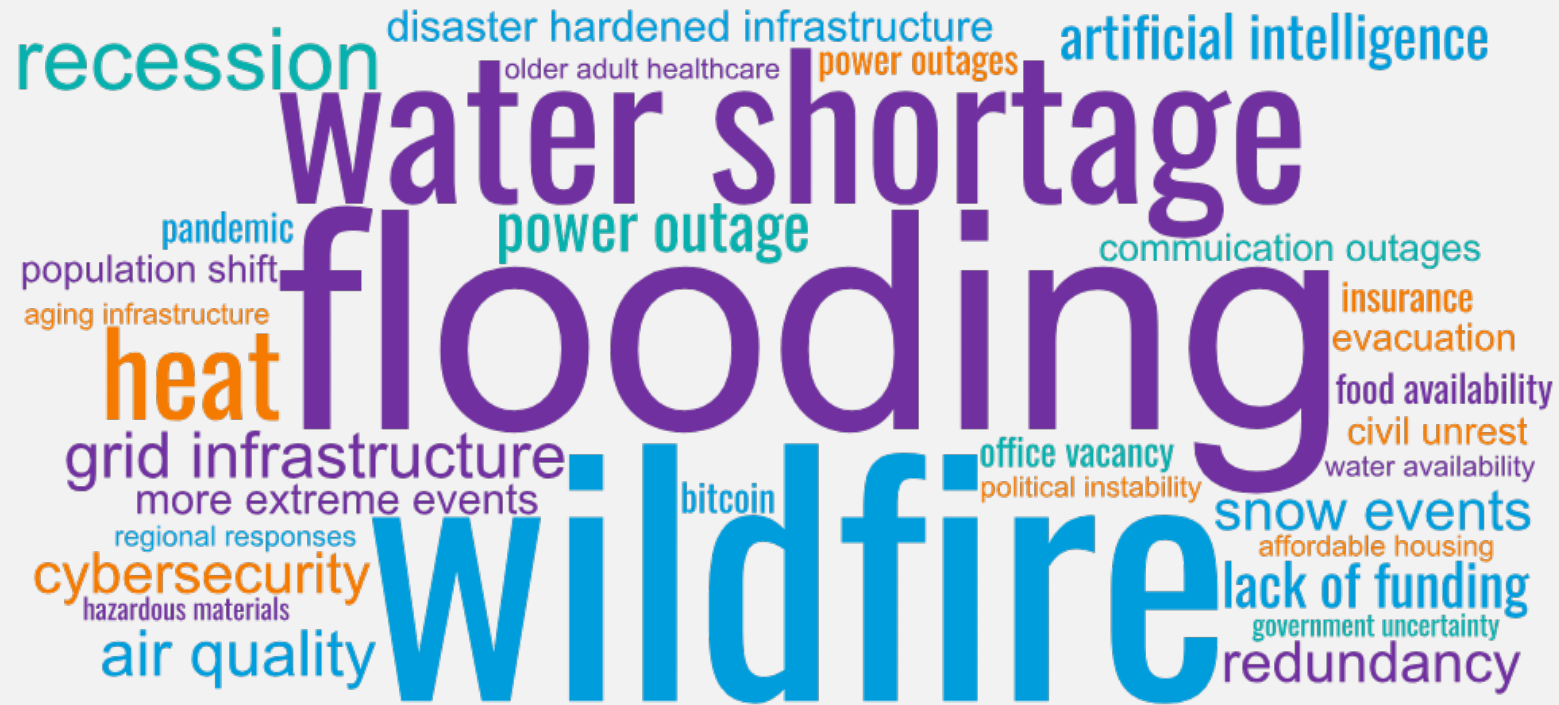
Changes in land use patterns



Environmental changes



Potential disruptions or emergencies



Themes heard

- Growing older adult population and associated changes in needs and priorities (housing, healthcare, transportation).
- Increasing disruptions and environmental impacts from climate change on the region's infrastructure (transportation, housing, power)
- Continued proliferation of new technologies (artificial intelligence, automation, autonomous/connected/electric vehicles).
- Staying power of post-COVID trends (work from home, home delivery, e-commerce).

Potential impacts of scenario planning

- Revisions to the **fiscally constrained list** of investment priorities.
- Additional information to include on **current conditions and policy**.
- **New metrics** to evaluate priorities.
- Guidance and direction for **future planning activities**.

DRCOG's approach



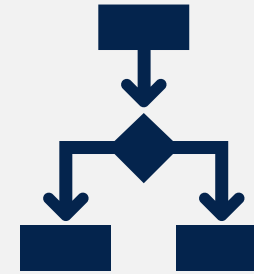
Explores “**what if**” alternative futures



Relative comparisons between scenarios and baseline



Not rigorous evaluation of scenarios, nor choosing/ judging scenarios



Choices & tradeoffs from individual scenarios



Provide **guidance and direction** for plan development



Next steps

- Begin **defining** potential scenarios.
- Start **modeling** and **testing**.
- **Share results** with committees and Board.

Thank you! Questions?

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