
AGENDA
Bend Metropolitan Planning Organization
Technical Advisory Committee Meeting

Date: November 2, 2022
Time: 10:00 – 11:30 am
Location: Hybrid meeting

In-Person Location: Bend MPO office, 709 NW Wall Street, Suite 102, Bend

Virtual Options: Register for this meeting using the following link:

Zoom registration: [https://bendoregon-](https://bendoregon.gov.zoom.us/webinar/register/WN_fpUTq2_5S3CN85XV2m4IRA)

[gov.zoom.us/webinar/register/WN_fpUTq2_5S3CN85XV2m4IRA](https://bendoregon.gov.zoom.us/webinar/register/WN_fpUTq2_5S3CN85XV2m4IRA)

After registering on Zoom, you will receive a confirmation email about joining the webinar.

YouTube Stream: will be posted on MPO [website](#) before the meeting

Phone Option: 1-888-788-0099, Webinar ID: 869 0859 2912 Passcode: bmpo

Contact: Tyler Deke, BMPO Manager (541) 693-2113 (office), (541) 633-9298 (mobile) or tdeke@bendoregon.gov

1. **Call Order & Introductions** Tyler Deke
2. **Hybrid Meeting Guidelines** Jovi Anderson

Action Items

3. **Review and approve September 7, 2022 (Attachment A) and October 5, 2022 (Attachment B) draft meeting summaries** Tyler Deke

Recommended Language for Motion: I move approval of the September 7, 2022 and October 5, 2022 meeting summaries as presented.

Informational Items

4. **STBG Funding – Project Applicant Presentations...** Andrea Napoli / Applicants

Background: Project applicants of the MPOs Surface Transportation Block Grant funding program will have the opportunity to present their projects to

the TAC for an informal review. Applicants will then have the opportunity to revise their applications, if they choose. (Note that TAC review of applications, scoring and ranking by the TAC, and development of a funding recommendation to the Policy Board will occur with the December TAC meeting.)

Attachments: Application packets currently submitted are available on the [MPO STBG Program webpage](#).

Action Requested: None. Opportunity for TAC members to ask questions and provide feedback on projects.

5. Climate Reduction Program Funds for Oregon Tyler Deke

Background: The Carbon Reduction Program is a new program created under the federal Infrastructure Investment and Jobs Act (IIJA). The program will provide funds for projects that reduce greenhouse gas emissions from transportation. A percentage of the funds will be distributed to projects in the Bend MPO. Staff will provide an overview of the program, including the funding distribution process.

Attachments: Carbon Reduction Program summary (**Attachment C**)

Action Requested: None. Information item / Q & A

6. COVID Funding Update Tyler Deke / Staff

Background: The “Consolidated Appropriations Act, 2021” was approved in December 2020 and included significant COVID related funding. From that legislation, approximately \$1.5 million was allocated to the Bend MPO. Through discussions with the Chair and full Board over the past year, staff have investigated possible project options. Staff will provide an update on those project options.

Attachments: None

Action Requested: None. Information item / Q & A

7. Member & Guest Roundtable

Time for TAC members to provide updates on current projects and planning efforts.

8. Public Comment..... Tyler Deke

9. Next TAC meeting

The next meeting of the Bend MPO TAC is scheduled for December 7 at 10 a.m.

10. Adjourn



Accessible Meeting Information

This meeting event and location are accessible. Sign language, interpreter service, assistive listening devices, materials in alternate format, such as Braille, large print, electronic formats, or any other accommodations are available upon advance request. Please contact Andrea Napoli at (541) 323-8545 or anapoli@bendoregon.gov. Providing at least 3 days' notice prior to the event will help ensure availability.



BMPO Bend Metropolitan
Planning Organization

Technical Advisory Committee

Draft Meeting Summary

September 7, 2022

Bend Metropolitan Planning Organization Office
709 NW Wall Street, Suite 102
Bend, Oregon

Link to meeting: <https://youtu.be/bpJd2RfZU9g>

1. **Call to Order and Introductions**

Mr. Deke called the regular meeting of the Bend Metropolitan Planning Organization (BMPO) Technical Advisory Committee (TAC) to order at 10:33 a.m., Wednesday, September 7, 2022, without a quorum of members present (6 of 12). Attending were:

TAC Voting Members

1. Bend La Pine School District absent
2. Bend Park and Recreation District (BPRD) Henry Stroud
3. Cascades East Transit (CET) Andrea Breault
4. City of Bend absent
5. Commute Options Brian Potwin
6. Deschutes County Bike/Pedestrian Advisory Committee Dave Thomson
7. Deschutes County absent
8. Oregon Department of Transportation (ODOT) Rick Williams
9. Oregon State University (OSU)-Cascades Campus Casey Bergh
10. Citizen (Deschutes River Woods) Greg Bryant
11. *Central Oregon Community College (COCC): Mike Beaulieu absent*
12. *Citizen: Liza Hamada absent*

Ex Officio Members

Bend MPO Manager Tyler Deke
Oregon Department of Land Conservation & Development (DLCD) Angie Brewer
Federal Highway Administration (FHWA): absent
Federal Transit Administration (FTA): absent

BMPO Staff

Jovi Anderson, *Program Coordinator*
Andrea Napoli, *Senior Planner*

Visitors

Cameron Prow, *TYPE-Write II* (minutes consultant/recorder)
David Amiton, *ODOT Region 4 Planning Manager*
Miranda Wells, *ODOT*
Omar Ahmed, *ODOT Area Manager*
Tobias "Tobi" Marx, *City of Bend*

2. **Virtual Meeting Guidelines**

Ms. Anderson reviewed remote participation guidelines.

ACTION ITEMS

3. **Review and Approve July 6 and August 3, 2022, Draft Meeting Summaries**

Materials: July 6, 2022 (Agenda Attachment A), and August 3, 2022 (Agenda Attachment B)

Mr. Deke postponed approval of the July and August 2022 minutes due to lack of a quorum.

INFORMATIONAL ITEMS**4. STBG Project Application Overview**

STBG Project Application (Agenda Attachment C), Application Instructions (Agenda Attachment D), and Cost Estimate Sheet (Agenda Attachment E)

Ms. Napoli reviewed the application document for the 2022 Surface Transportation Block Grant (STBG) call for projects, highlighting changes since the 2020 project solicitation. Her summary of changes from the 2020 solicitation covered:

- ODOT's fund exchange program not expected to be available for fiscal years (FY) 2025-2027, meaning funds would remain federal.
- New forms required would include a Cost Estimate Sheet to be submitted with the application and a Scoping Sheet when the grant is awarded.
- Applicant to contact ODOT prior to application submittal about project delivery.
- Minimum funding requests: \$50,000 nonconstruction, \$150,000 construction.
- The Policy Board adopted the TAC-suggested criterion: "Project advances equity in transportation/provides benefit to transportation-disadvantaged populations" (6 points maximum) at its July 2022 meeting. The Equity Mapping Tool on the BMPO website could be used to provide supportive information.

TAC members who arrived during this discussion: OSU-Cascades (Casey Bergh, 10:38 a.m.), establishing a quorum (7 of 12 members); City of Bend (Robin Lewis, 10:44 a.m.), Bend La Pine School District (Sharon Smith), and Deschutes County (Peter Russell), increasing the quorum (10 of 12 members).

TAC discussion covered if applicants would be required to use the BMPO Equity Mapping Tool, who applicants should contact at ODOT prior to project submittal, agencies eligible to apply, size of eligible projects, lack of certified agencies to receive federal funds, how federal funds would be distributed without ODOT's fund exchange program during FY 2025-27, if the City would be eligible to submit a proposal for STBG dollars, and whether the City intended to apply for certification to receive federal funds directly.

Mr. Deke stated the BMPO's application process for the next round of STBG funding started on September 1, 2022. Everything about this process will be posted on the BMPO website. He invited TAC members to call if they have questions.

5. US97 & US20 North Corridor Project Update

Information about the system available at:

<https://www.oregon.gov/odot/projects/pages/project-details.aspx?project=21229>

North Corridor Project Manager Miranda Wells provided an overview of the significant upgrades planned to the road, bicycling, and walking networks. Her summary covered the project area, goals, requirements/restrictions, design/build approach, project team philosophy, schedule (construction to start in Fall 2022 and finish end 2024), project status today, and alternate mode highlights.

TAC concerns included the number of roundabout lanes, effectiveness of rectangular rapid-flashing beacons across multiple lanes (pedestrian safety), potential uses for parts of old roads around the new alignment, local street connectivity (Nels Anderson Road, Brandis Court), bike/pedestrian continuity, communicating with adjacent businesses about right-of-way impacts, and evolution of electric bikes on shared-use paths.

6. Bend Bikeshare Update

Information about the system available at:

<https://www.bendoregon.gov/government/departments/streets/mobility>

Parking Services Division Manager Tobi Marx provided an update on the status of the Bend bikeshare program (Bird bikes). Included in his summary were current bike locations, trends (complaints going down, ridership stable, requests for scooters), and ridership insights. Labor Day weekend highlights from June 3 through August 17, 2022: 3.5 trips per day per bike, 130 bikes in rotation daily, and 1,215 total trips.

TAC discussion covered group bike parking options, Bird bike storage areas, veracity of daily commuter data, cost per day to ride the bikes, Bird bikes using Bend Park and Recreation District bike racks, and if preferred parking areas are working.

7. Member & Guest Roundtable

Members and guests provided updates on current projects and planning efforts:

- Bend Park & Recreation District: No report.
- Bend-La Pine School District: No report.
- Cascades East Transit: No report.
- Central Oregon Community College: No report.
- City of Bend: No report.
- Commute Options: No report.
- Deschutes County BPAC: No report.
- Deschutes County: No report.

- Oregon Department of Land Conservation and Development: Ms. Brewer reported that DLCD approved the Stevens Road Tract Concept Plan submitted by the City of Bend. Other phases will need to be completed before construction can begin.

- Oregon Department of Transportation: Mr. Williams stated he conducted the kickoff meeting on the Reed Market Study. The kickoff meeting on the Highway 20 Facility Plan is expected to be held in late September/early October 2022.

- OSU-Cascades: No report.
- Citizen (Greg Bryant): No report.
- Citizen (Liza Hamada): No report.
- Bend MPO: No report.

6. Public Comment

None.

7. Next TAC Meeting

September 7, 2022, 10 a.m. (1st Wednesday)

8. Adjourn

There being no further business, Mr. Deke adjourned the meeting at 12:07 p.m.



BMPO Bend Metropolitan
Planning Organization

Technical Advisory Committee

Draft Meeting Summary

October 5, 2022

Bend Metropolitan Planning Organization Office
709 NW Wall Street, Suite 102
Bend, Oregon

Link to meeting: <https://youtu.be/j01MSNKcTY4>

1. Call to Order and Introductions

Mr. Deke called the regular meeting of the Bend Metropolitan Planning Organization (BMPO) Technical Advisory Committee (TAC) to order at 10:03 a.m., Wednesday, October 5, 2022, with a quorum of members present (7 of 12). Attending were:

TAC Voting Members

1. Bend La Pine School District Sharon Smith
2. Bend Park and Recreation District (BPRD) Henry Stroud
3. Cascades East Transit (CET) Andrea Breault
4. City of Bend Robin Lewis
5. Deschutes County Peter Russell
6. Deschutes County Bike/Pedestrian Advisory Committee Dave Thomson
7. Oregon Department of Transportation (ODOT) Rick Williams
8. Citizen Liza Hamada
9. *Central Oregon Community College (COCC): Mike Beaulieu absent*
10. *Commute Options: Brian Potwin absent*
11. *Oregon State University (OSU)-Cascades Campus: Casey Bergh absent*
12. *Citizen: Greg Bryant absent*

Ex Officio Members

Bend MPO Manager Tyler Deke
Oregon Department of Land Conservation & Development (DLCD) Angie Brewer
Federal Highway Administration (FHWA): absent
Federal Transit Administration (FTA): absent

BMPO Staff

Andrea Napoli, *Senior Planner*
Jovi Anderson, *Program Coordinator*

Visitors

Cameron Prow, *type Write II (minutes consultant)*
Derek Hofbauer, *CET*
Rachel Zakem, *CET*
Robin Vora

(The 3 digits after a motion title show the number of members voting in favor/opposed/abstaining.)

2. Hybrid Meeting Guidelines

Ms. Anderson reviewed remote participation guidelines.

ACTION ITEMS**3. Review and Approve July 6 and August 3, 2022, Draft Meeting Summaries**

Materials: July 6, 2022 (Agenda Attachment A) and August 3, 2022 (Agenda Attachment B)

Motion 1 (7/0/0): Mr. Williams moved approval of the July 6, 2022, and August 3, 2022, draft meeting summaries as presented. Mr. Thomson seconded the motion which passed unanimously.

INFORMATIONAL ITEMS**4. Bend Mobility Hubs Feasibility Study Overview**

Project information and materials available at:

<https://cascadeseasttransit.com/about/bend-mobility-hub-feasibility-study/>

Ms. Napoli provided an overview of the mobility hubs feasibility study in the Bend area. Her summary covered the purpose, project outline/timeframe, objectives, market analysis, location recommendations, mobility hub types/features, implementation, public engagement summary, current and next steps.

TAC concerns included the impact of development in Bend's southeast quadrant, transit hub configuration and mode circulation, food trucks at mobility hub locations, what should be considered during master plan discussions, and potential to replicate the Bend model for other Central Oregon communities.

Ms. Breault stated scalable hubs for other Central Oregon communities were included in CET's master plan. La Pine is working on its own hub and Sisters is designing a multi-modal center. A team from CET is explaining the mobility hub study findings to Madras and Prineville.

5. CET Electric Technology Feasibility Study

Information available at: <https://cascadeseasttransit.com/electric-technology-feasibility-study/>

CET Outreach and Engagement Administrator Derek Hofbauer discussed CET's Electric Technology Feasibility Study. His summary covered why the study was needed, project approach/objectives, factors affecting the zero emission (ZEB) bus range, analysis scenarios, electric bus feasibility summary, what this means for CET, study recommendations, costs (capital, lifecycle), and next steps (alternative fuels, grant opportunities, community partners).

TAC questions and comments included whether electricity would be generated from renewable sources, potential infrastructure upgrades, basis for the capital costs estimate, and grant availability for alternative fuels in rural transit provider systems.

Ms. Breault noted this study was simply for route analysis and general cost. The next phase will be an in-depth study on potential infrastructure needs and upgrades to Pacific Power and the transmitters. CET is exploring alternative fuels, including RNG (renewable natural gas), CNG (compressed natural gas), and propane, as ways to be more environmentally friendly. She will need assistance in applying for state and federal grants as they might be geared toward electric energy, not alternative fuels. Most CET support and smaller vehicles are expected to go electric within the next 5-7 years. Alternative fuels might be a more effective energy source for larger people-transport vehicles

Mr. Hofbauer added that CET was working on how to incorporate solar energy in its facilities. Lyft is looking at development of charging stations at mobility hubs for electric bikes and electric scooters.

6. Member & Guest Roundtable

- Bend Park & Recreation District: Mr. Stroud provided updates on the Deschutes River Trail riparian restoration project between the BPRD office and the Bill Healy Bridge and the Sawyer Park restoration project. He recently brought the BPRD Board of Directors up to date on the southern UGB (urban growth boundary) bridge project, but no action has been taken yet.
- Bend-La Pine School District: No report.
- Cascades East Transit: No report.
- Central Oregon Community College: No report.
- City of Bend: Ms. Lewis stated a wayfinding project for bike facilities (1 north/south, 1 east/west) with overarching branding had started. The City is working on a Request for Proposals, with hopes of getting a consultant on board by mid-January 2023.
- Commute Options: No report.
- Deschutes County: Mr. Russell outlined progress on three projects: (1) draft Transportation System Plan (awaiting input/comment from partners; online version expected in November 2022), a TGM grant for active transportation in the Tumalo area (bike/pedestrian and working with CET on the transit component), Tumalo Community Plan (on hold until completion of the sewer feasibility study), and rural trails for Sisters (public comment due in October 2022). He thanked Ms. Zakem for her attendance at the open houses.
- Deschutes County BPAC: No report.
- Oregon Department of Land Conservation and Development: No report.
- Oregon Department of Transportation: Mr. Williams provided updates on the Reed Market Road Study and the Highway 20 refinement plan.
- OSU-Cascades: No report.
- Citizen (Liza Hamada): No report.
- Citizen (Greg Bryant): No report.
- Bend MPO: No report.

7. Public Comment

None.

8. Next TAC Meeting

November 2, 2022, 10 a.m. (1st Wednesday). The agenda will include TAC review of Surface Transportation Block Grant applications and applicant presentations.

9. Adjourn

There being no further business, Mr. Deke adjourned the meeting at 11:28 a.m.

Carbon Reduction Program

Background

The new Carbon Reduction Program provides funds for projects that reduce greenhouse gas emissions from transportation. States, in coordination with metropolitan planning organizations (MPOs), shall develop a Carbon Reduction Strategy that supports reduction in transportation emissions, identifies projects and strategies, and is appropriate to state population density and context. The first Carbon Reduction Strategy is required within two years and updated every four years.

Eligible Activities

Eligible projects include:

- traffic monitoring, management, and control facilities;
- public transit projects; bike,
- pedestrian and non-motorized facilities;
- advanced transportation and congestion management technologies;
- infrastructure-based intelligent transportation systems;
- energy efficient street lighting and traffic control devices;
- managing or shifting demand, including congestion pricing, tolling and transportation demand management strategies;
- alternative fuel projects, including public charging, hydrogen, natural gas and propane fueling and zero-emission equipment and vehicle purchases;
- diesel retrofits; and
- projects that reduce truck impacts or port emissions, including port electrification.

Funding

Oregon will receive \$82 million over the five years of the IIJA. The federal share is 80 percent and 20 percent match is required.

Consistent with requirements in the IIJA, ODOT proposes dividing funds in three ways:

1. The three large metropolitan planning organizations (known as transportation management areas or TMAs), in the Portland, Eugene, and Salem areas, receive a statutory allocation of funding based on population (\$27.6 million over 5 years)
2. ODOT will award funds to smaller urban MPOs and rural areas (\$26 million over 5 years)
3. ODOT has discretion over funds that can be used in any area of the state (\$28.9 million over 5 years)

ODOT's Proposed Program Approach

Oregon's Statewide Transportation Strategy (STS), which was created in coordination with MPOs, other state agencies, local jurisdictions and a broad array of stakeholders, will serve as the base of the Carbon Reduction Strategy. It identifies Vehicles, Fuels, Pricing, Transportation Options, System Improvements and Land Use strategies to reduce greenhouse gas emissions from transportation. The STS will be adapted to meet the needs of the Carbon Reduction Strategy once

federal guidance is issued and in consultation with Oregon's MPOs and other key stakeholders. Additionally, ODOT will incorporate its Operations, Materials and Fuels Greenhouse Gas Reduction Recommendations as part of the Carbon Reduction Strategy.

Because funding for the Carbon Reduction Program is divided three ways, ODOT proposes that each allocation be uniquely managed, consistent with federal guidance and the Carbon Reduction Strategy, as follows:

- **TMA:** Money will be directly awarded to the TMAs and they will decide how to use their suballocated funds. ODOT may act as a convener among the TMAs and the state to coordinate investments within the respective allocations.
- **MPOs and Rural Areas:** ODOT will form an advisory group to develop a competitive grant program for these funds. Advisory group members will consist of representatives from MPOs, rural areas, and other local jurisdictions, in addition to advocacy/interest groups, technical experts, and community-based organizations to help inform project guidelines and selection.
- **ODOT:** ODOT will solicit feedback from the Advisory Committee described above on how to prioritize state Agency investments and will specify approaches in future iterations of the Carbon Reduction Strategy.