



ADVANCED  
MOBILITY  
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## AGENDA

**WORKING GROUP**  
Tuesday, April 6, 2021  
2:30 p.m.

### **Remote Meeting**

DRCOG is hosting this meeting remotely (no in-person option).

Please use this link to join:

[https://zoom.us/meeting/register/tJlIsduqorDkqH9O3vqByi8Ep-WG56GOjqU4u](https://zoom.us/join/zoom/register/tJlIsduqorDkqH9O3vqByi8Ep-WG56GOjqU4u)

- 1. Welcome and Introductions**
- 2. Executive Committee Report**  
Emily Lindsey, Denver Regional Council of Governments
- 3. Informational Briefings**  
*Civic Innovation Challenge Proposal*  
Carrie Makarewicz, University of Colorado Denver  
Elizabeth Walsh, University of Denver  
  
*CSU Mobility and Energy Project*  
<TENTATIVE>
- 4. AMP Focus Area Updates**
- 5. Partner Agency Updates**
- 6. Other Matters**
- 7. Next Meeting: May 4, 2021**



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**WORKING GROUP**  
**Tuesday, March 2, 2021**  
**2:30 p.m.**

**Denver Regional Council of Governments**  
**held remotely via GoToMeeting**

**MEETING SUMMARY**

**Attendees**

Jeff Becker, RTD  
Rachel Bolin, CDOT  
Angel Bond, Boulder County  
Jessica Carson, E-470 Public Highway Authority  
Rob Colosimo, HNTB  
Steve Cook, DRCOG  
Jay Decker, City and County of Denver  
Matt Duncan, City of Lakewood  
Kristina Evanoff, City of Westminster  
Bob Fifer, CDOT  
Amy Ford, ITS America  
Kyle French, CDOT  
Maxwell Gesten, CDOT  
William Haas, FHWA  
Nataly Handlos, RTD  
Sarah Harrison, CDOT  
Johanna Jamison, Colorado Smart Cities Alliance  
Kay Kelly, CDOT  
Michael King, CDOT  
Anne Kuechenmeister, Michael Baker Int'l  
Christina Lane, Jefferson County

Johanna Levene, NREL  
Emily Lindsey, DRCOG  
Greg MacKinnon, DRCOG  
Wes Marshall, UTAC Representative  
Lauren Masias, Denver Metro Chamber  
Brandon Najdovski, CDOT  
Lisa Nguyen, Denver International Airport  
Ashley Nylen, CDOT  
Ravi Palakurthy, RTD  
Richard Pilgrim, HDR  
Carson Priest, Smart Commute Metro North  
Jason Peuquet, Xcel Energy  
Tegan Rice, RTD  
Eric Sabina, CDOT  
Josh Schwenk, DRCOG  
Lauren Spath Luhring, NREL  
Robert Spotts, DRCOG  
Lisa Streisfeld, CDOT  
Ashley Summers, DRCOG  
Theresa Takushi, CDOT  
Melanie Ward, City of Centennial  
Brian Welch, RTD  
Tom Worker-Braddock, City of Aurora

**1. Welcome and Introductions**

Ashley Nylen welcomed attendees to the Advanced Mobility Partnership (AMP) Working Group and announced attendees.



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## 2. Transportation Electrification Briefings

### *Statewide Briefing*

Mike King from CDOT discussed the State of Colorado's transportation electrification efforts. He noted that the Transportation Commission recently officially adopted electrification goals into CDOT's internal performance metrics. He provided an overview of the state of the electric vehicle (EV) market in Colorado, and on the state's efforts on the Charge Ahead Colorado EV charging station grants. Mr. King noted the increasing coverage of the state highway network and scenic and rural byways system by new charging stations which was recently covered by the *New York Times*.<sup>1</sup> He provided information on the state Transit Zero Emission Vehicle (ZEV) Roadmap and funding programs for transit electrification including the Volkswagen Settlement fund and Federal Transit Administration (FTA) Section 5339(c) "Low/No" grants.<sup>2,3</sup> Finally, he noted some upcoming state efforts including the Clean Trucking Strategy, Colorado Low-Carbon Hydrogen Roadmap, EV Equity Study and Climate Equity Framework, as well as potential impacts to the Highway Users Tax Fund due to EV adoption.<sup>4</sup>

### *Xcel Energy Transportation Electrification Plan (TEP)*

Jason Peuquet from Xcel Energy discussed Xcel's EV strategy to overcome some barriers to EV adoption in their service area. Xcel's TEP includes more than 20 programs to improve the accessibility of EV charging infrastructure for customers. One program he highlighted was a managed charging program where vehicle charging would be promoted during non-peak energy use periods when electricity costs are lowest. He noted that Xcel's goal is 1.5 million EVs in use in their service area by 2030.

## 3. AMP Focus Area: Data and Data Sharing

### *Discovery and Survey Highlights*

Ashley Nylen from CDOT and Emily Lindsey from DRCOG presented on the draft *Discovery Report* which is available for comment through March 12. The *Discovery Report* includes initial work to determine the state of the practice in the region including reviewing existing regional data coalitions, existing data tools in the region, peer case studies and the results of initial stakeholder engagement. This report sets the groundwork for next steps including continued stakeholder engagement to refine the overall vision for the platform, a workshop to identify mobility data platform use cases, and an upcoming Federal Highway Administration (FHWA) Data Business Plan workshop.

## 4. Informational Briefing

### *CDOT Transit Emissions Dashboard*

Lisa Streisfeld from CDOT presented on a new CDOT project, the development of a Transit Emissions Dashboard, to track emissions data from Bustang and Outrider. Future

<sup>1</sup> <https://www.nytimes.com/2021/02/25/travel/sustainable-travel-environment-pandemic.html>

<sup>2</sup> <https://www.codot.gov/programs/planning/grants/vw-settlement-bus>

<sup>3</sup> <https://www.transit.dot.gov/funding/grants/lowno>

<sup>4</sup> <https://cdphe.colorado.gov/air-pollution/climate-change#equity>





phases might incorporate data from other transit agencies around the state. Data might include fleet conversion to ZEVs, ridership, transit vehicle miles traveled (VMT), statewide vehicle emissions, emissions per passenger mile traveled (PMT), and trend data for emissions reductions. The data would be available on a public-facing interactive dashboard. The goal is to demonstrate the impact of funding on emissions reduction and the state's efforts to meet their emissions reduction goals, and encourage the public to change behavior. Next steps include gathering additional ideas and dashboard examples from partner agencies and continued refinement of the proof of concept, with the finalization of the dashboard anticipated summer 2021. Ms. Streisfeld will return to the AMP Working Group as the project moves forward.

#### 5. Partner Agency Updates

Ms. Lindsey shared the recent release of DRCOG's *2050 Metro Vision Regional Transportation Plan* which is currently available for public comment.<sup>5</sup>

#### 6. Other Matters

Ms. Lindsey informed AMP members that the US District Court for the Central District of California recently granted a motion to dismiss a case challenging Los Angeles's use of Mobility Data Specification (MDS) data.<sup>6</sup> Ms. Nylén reminded AMP members that comments on the proposed revisions to the Manual on Uniform Traffic Control Devices (MUTCD) are due May 14, 2021.<sup>7</sup>

#### 7. Next Meeting and Adjournment

Ms. Nylén thanked everyone for participating in the meeting. The next meeting is April 6, 2021.

<sup>5</sup> <https://drcog.mysocialpinpoint.com/2050-rtp>

<sup>6</sup> <https://www.smartcitiesdive.com/news/federal-judge-dismisses-lawsuit-against-ladot-data-sharing-requirements/595817/>

<sup>7</sup> <https://cms8.fhwa.dot.gov/newsroom/fhwa-extends-comment-period-proposed-mutcd-updates-may-14>





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**DATE:** April 6, 2021  
**TO:** AMP Working Group  
**FROM:** Emily Lindsey, Transportation Technology Strategist, DRCOG  
**SUBJECT:** AMP Executive Committee Report  
**ACTION:** Information

### SUMMARY

The AMP Executive Committee meets quarterly to collaborate on transportation technology-related efforts in the Denver region and advise the AMP Working Group. At the AMP Executive Committee's March meeting, the group:

- Elected leadership of the Executive Committee – Debra Johnson, CEO and General Manager of RTD, will serve as the Chair and Doug Rex, Executive Director of DRCOG will serve as Vice Chair for the 2021 calendar year;
- Received a briefing that included an AMP Working Group overview and discussion of two specific topics: BRT in multijurisdictional environments and universal trip planning and payment efforts in the region;
- Received a briefing on the discovery phase of the Data and Data Sharing focus area including highlights from the Discovery Report, and;
- Reviewed progress made in the other two focus areas: Shared Mobility and System Operations.

The next AMP Executive Committee meeting is scheduled for June.

### ATTACHMENTS

N/A

### ADDITIONAL INFORMATION

For additional information, please contact Emily Lindsey, DRCOG at [elindsey@drcog.org](mailto:elindsey@drcog.org).



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**DATE:** April 6, 2021  
**TO:** AMP Working Group  
**FROM:** Emily Lindsey, Transportation Technology Strategist, DRCOG  
**SUBJECT:** Informational Briefing  
**ACTION:** Information

### SUMMARY

The AMP Working Group will have two informational briefings at the April meeting:

#### *Civic Innovation Challenge Proposal*

Carrie Makarewicz from University of Colorado Denver and Elizabeth Walsh from University of Denver will provide a briefing on a proposal for the National Science Foundation's Civic Innovation Challenge.<sup>1</sup> The project proposal was selected for Stage 1 funding to further develop a proposal in the communities and mobility track. The initial abstract can be seen here.<sup>2</sup>

#### *Tentative: CSU Mobility and Energy Project*

The AMP Working Group will tentatively be briefed on the CSU Mobility and Energy Project. Project information can be seen here.<sup>3</sup>

### ATTACHMENT(S)

N/A

### ADDITIONAL INFORMATION

For additional information on the Civic Innovation Challenge Proposal, please contact Carrie Makarewicz, Ph.D., Associate Professor, University of Colorado Denver at [carrie.makarewicz@ucdenver.edu](mailto:carrie.makarewicz@ucdenver.edu).

For additional information on the CSU Mobility and Energy Project, please contact Emily Lindsey, Transportation Technology Strategist, DRCOG at [elindsey@drcog.org](mailto:elindsey@drcog.org) and she will connect you with the project team.

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<sup>1</sup> <https://nscivinnovation.org>

<sup>2</sup> [https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=2043330&HistoricalAwards=false](https://www.nsf.gov/awardsearch/showAward?AWD_ID=2043330&HistoricalAwards=false)

<sup>3</sup> <https://denvermetrocleancities.org/programs/mobility-energy-improvements-from-vehicle-powertrain-control-and-traffic-management/>

