



ZERO EMISSIONS VEHICLE RULE FOR COLORADO -STATUS UPDATE

NFR MPO PLANNING COUNCIL MEETING

FEBRUARY 7, 2019

DOUG DECKER, CDPHE

PRESENTATION OVERVIEW

- Governor Polis Executive Order - January 17th
- Colorado SB 19-053 update
- Rule development timeline
- How a ZEV 'mandate' will work - Credits overview
- Unknowns and Assumptions
- ZEV Stakeholder process

ZEV EXECUTIVE ORDER

- Governor Polis Executive Order B2019-002 dated January 17:
 - *CDPHE shall develop a rule for a Colorado ZEV program,,, and propose that rule to the AQCC no later than May 2019, for possible adoption by October 30th*
 - *This timeline matches what AQCC promulgated following the November 2017 LEV hearing*
- *Also provides for Transportation Electrification workgroup, Maximizing VW settlement funds for electric infrastructure, CDOT to develop a ZEV and clean transportation plan*

SENATE BILL 2019 – 053 - SENATOR COOKE CALIFORNIA MOTOR VEHICLE EMISSIONS STANDARDS

- “Concerning a prohibition on the air quality control commission adopting air quality control standards for motor vehicles that are more stringent than the federal standards.”
- Heard In Senate Health and Human Services Committee today.....

ZEV RULE DEVELOPMENT TIMELINE

- Stakeholder meetings held September 20, October 19, November 30
- Stakeholder Survey posted January 25, ***Respond by Feb 15***
- **Tentative Dates:**
- Request for Hearing at AQCC, scheduled for May 9 in Denver
 - Prehearing process – circa June 10 - July 10 ??
- Rulemaking Hearing Aug 15-16
- Rule in effect ca October 1 ??

NOTE - all dates are tentative

HOW A ZEV 'MANDATE' WOULD WORK

- *The Customer retains their choice of vehicle*
- Vehicle Manufacturers must meet sales 'quotas' for ZEV's sold
- Based on credits established in the prior year
- Credits are based on battery range for ZEV's and Hybrids sold
 - Chevy Volt – Range \approx 85miles earns 1.3 credits
 - Tesla S - Range \approx 325 miles earns 4 credits (4 credits max)
- Large Volume Manufacturers need 4500 credits to be in compliance
- Credits can be bought and sold

-IT GETS COMPLICATED!

- Intermediate volume manufacturers meet different credit requirements
- Hybrid credits are limited – focus is on full ZEV credits
- Fuel cell and H₂ engine vehicles earn credits
- How to equitably establish Colorado-specific credits for startup (2023 MY)?
- Tracking and Enforcement
- ***Customers retain the choice of what vehicle best suits their needs***

UNKNOWNNS AND ASSUMPTIONS -

- Cost and rate of technology change for batteries
- Charging infrastructure
- Electrical generating and transmission capacity and upstream emissions
- ZEV incentives, gasoline prices and global/macro economics
- Customer acceptance and impacts on local economies and businesses

OPPORTUNITIES FOR STAKEHOLDER INVOLVEMENT

- Get on the Air Division website and complete the stakeholder survey-
 - https://docs.google.com/forms/d/e/1FAIpQLSdRCh_T5T42BylgPaRjZ8DyTT-xpPCD-xw5okR6grpZ_gv42A/viewform
- Next Stakeholder meeting – Wednesday March 27, 2019 3-5pm in Denver
- Applications for Party Status to the Hearing will be available from the Air Quality Control Commission website sometime after May 12 – assuming...

ADDITIONAL RESOURCES

- “The ZEV Tutorial” – hour-long webcast on how it all works – Highly recommended!
 - <https://www.arb.ca.gov/msprog/zevprog/zevtutorial/zevtutorial.htm>
- “Reckoning the Cost of California’s Electric Vehicle Regulation” Denver Post editorial February 3, 2019
 - <https://www.pressreader.com/usa/the-denver-post/20190203/282256666734378>
- Air Division webpage - <https://www.colorado.gov/pacific/cdphe/apcd>
- Air Commission Webpage - <https://www.colorado.gov/pacific/cdphe/aqcc>

CONCLUSIONS AND QUESTIONS

- Proposed Regulation is still in the early stages of development
- Please complete the Survey by February 15th – as a group or individually!!
- This is complex and will require many assumptions – the more input we can provide to the Air Commission, the better this will be for all Coloradoans across the state
- Questions??
- Thanks! Doug Decker – doug.decker@state.co.us

2019 Public Involvement Plan

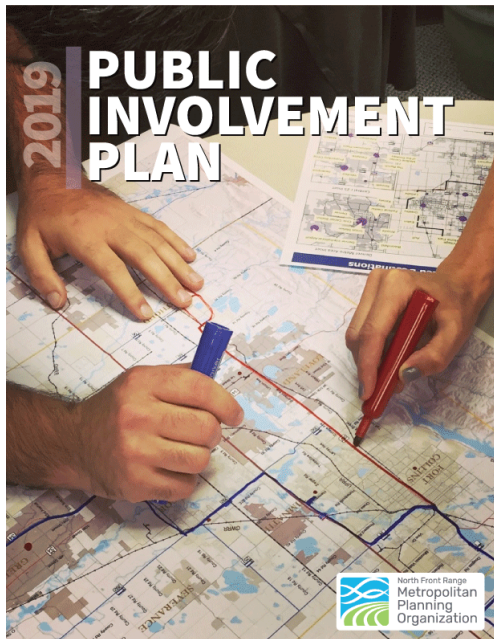
Planning Council



North Front Range
Metropolitan
Planning
Organization

February 7, 2019

Introduction and Purpose



- Federally-required plan
- Updated on same cycle as Regional Transportation Plan
- Covers all NFRMPO program, including VanGo™
- Identifies goals, desired outcomes, and strategies for implementing a public-facing transportation planning process

Goals and Desired Outcomes



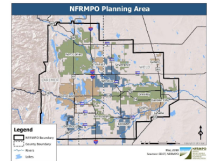
- Ensure all NFRMPO plans represent the input received from the public
- Maintain open dialogue
- Evaluate and adapt strategies
- Set NFRMPO and the public's expectations

Answer some of these questions:

- What does the NFRMPO expect to get from public input?
- What will the NFRMPO do with the information received during the public outreach process?
- What should the public expect from the NFRMPO?

2045 Regional Transit Element Survey

Instructions: Please respond to the following questions as accurately as possible. If responding on someone's behalf, you may complete a separate survey for yourself.



1) Please provide your home zip code.

2) Please mark the communities in which you work, shop, recreate, etc.

Community	Work	Shop	Recreate	Other
Barkham				
Edin				
Evans				
Fort Collins				
Garden City				
Golden				
Johnstown				
Lafayette				
Louisville				
Lyons				
Northglenn				
Timnath				
Windsor				
Unincorporated Larimer County				
Unincorporated Weld County				
Other				

3) Please mark your age bracket. () Under 18 () 18-25 () 26-59 () 60+

4) For the purposes of this survey, transit includes local buses like CLCT, GRT and Transdev; regional buses like FLEX and Busing; paratransit; and volunteer services like SARTP and Senior Resource Services (SRS). Based on this definition, have you ridden transit in the last six months?
a. Yes
b. No



2045 Regional
Transportation Plan
Audience



North Front Range
Metropolitan
Planning
Organization

Month, Day, Year

Strategies and Activities

Community Events



Partnerships



Print Media

ON THE MOVE
North Front Range Transportation News January-March 2019

Inside This Issue

- NFRMPO Council TAC Elections P1
- \$20M BUILD Grant Awarded P1-2
- Project Self-Sufficiency P5
- Project Update: North I-25 Leverage Development Project P3
- Swapping Tires Training H4
- Water Charging Tips P5
- 2018 Air Quality P6-7
- 2020 Access Registration Q1-Q1
- GoCar Leader's Mile P8-9
- 2019 Call for Projects Update P10
- Quarterly Member Profile: Town of Eaton P11
- Upcoming Events P12

NFRMPO Planning Council and TAC Elections

At their December 2018 meeting, the North Front Range Transportation & Air Quality Planning Council (NFRFTAQPC) elected new officers to serve during 2019. The Planning Council voted to elect Krista Melendez, Town of Windsor Mayor, as Planning Council Chair and Dave Clark, City of Loveland Councilmember, as Vice-Chair. Tom Donnelly, Larimer County Commissioner, will serve as Immediate Past-Chair. The Planning Council officers make up the Executive Committee and work cooperatively to set the Planning Council's meeting agendas.

The Technical Advisory Committee (TAC) also elected officers for 2019 at their December meeting. TAC re-elected Dave Klockman of Loveland as Chair and elected Mitch Nelson of Severance as Vice-Chair. Dawn Anderson of Weld County will continue to serve as Past Chair.

MPO Links

- Follow us on Twitter
- Look for updates on Facebook
- Read the NFRMPO Blog
- Ride with VanGo
- www.vangompo.org

\$20M BUILD Grant Awarded to North I-25

In July 2018, the NFRMPO submitted an application for the Better Utilizing Investments to Leverage Development (BUILD) Transportation Discretionary grant program to improve North I-25 Segment 6 (SH402 to SH56). An application for \$20M of the \$250M North Interstate 25 Phase 2 project was submitted.

On December 6, 2018, it was announced that the North Interstate 25 Phase 2 project had been awarded a \$20M BUILD Grant.

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Interactive Tools

NFRMPO
North Front Range Metropolitan Planning Organization

Map Home Mapped Comments General Comments

Where would you like our regional transit system to take you? What do you like about northern Colorado's public transportation system? What could be improved? Click on the layers below to see what transit systems already exist in your area. Add your comment to the map or see what your neighbors have said by clicking on the links below. If you would like to make a general comment, do it here. To give more feedback about northern Colorado's transit system, take our survey.

Add a comment by clicking on the location for your comment, then click the dropped pin.

Map Satellite

Map Layers Menu

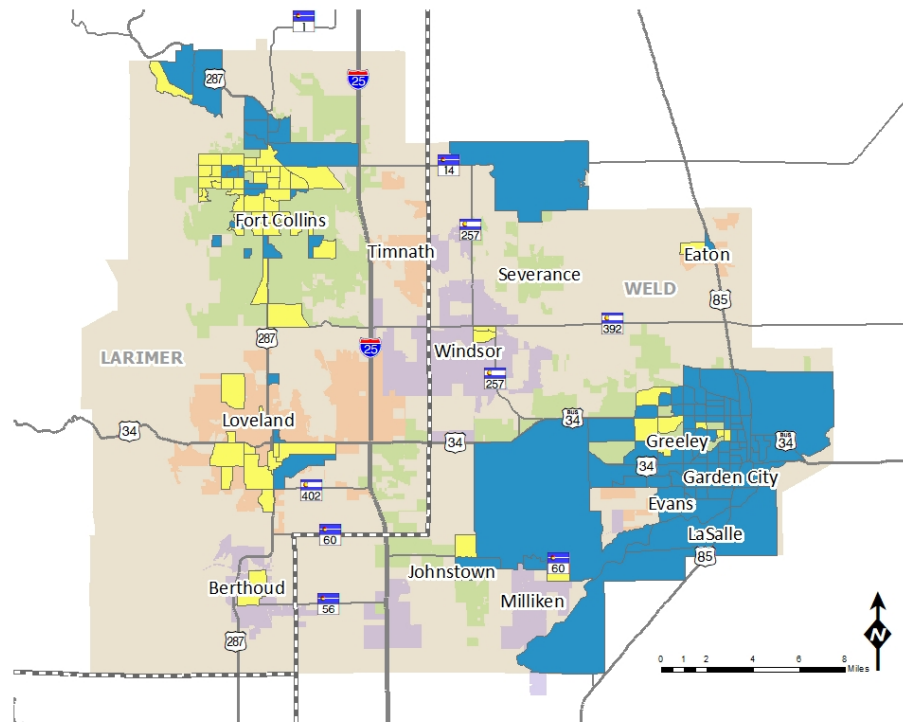
- Public Routes
- MTD Routes
- COG Routes
- Routely Data
- Search Locations

Evaluation



- ✓ Assess outreach efforts
- ✓ Public feedback
- ✓ Review effectiveness
- ✓ What worked and did not work?
- ✓ Evaluate trust and respect

EJ Analysis



Legend

- Low Income or Minority Population
- Low Income and Minority Population
- NFRMPO Boundary
- County Boundary

December 2018
Sources: CDOT, NFRMPO,
HUD, US Census Bureau



- Ensure low-income and minority populations receive meaningful outreach opportunities
- Ensure strategies will engage specific populations
- Will be updated and expanded over the next two years

Public Comments Period



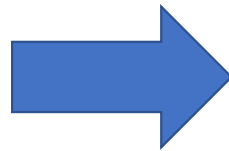
- **December 19, 2018 through February 2, 2019**

Example comments:

- Stream NFRMPO meetings to make them easier to attend
- VanGo™ vanpooler questions about tolling
- Include additional partners like CSU and UNC
- FHWA: Be more specific on strategies for Title VI populations, minor word changes

Next steps

- **TAC Recommendation:** February 20, 2019
- **Council Adoption:** March 7, 2019
- Title VI Plan and LEP Plan in spring 2019



Questions?



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North Front Range MPO Area - Project Status Updates (2/4/2019)

<u>Roadway / Segment</u>	<u>Status</u>
SH14	
SH14/US287 Flood Repair NW of Fort Collins	<i>Spring 2019 construction</i>
SH14 Safety work west of Ted's Place	<i>In design</i>
SH14 @ WCR33 Intersection Safety	<i>Advertise Spring 2019</i>
I-25	
Design /Build	<i>Construction is underway.</i>
Wellington to WYO Cable Rail	<i>Ad Spring 2019</i>
Vine Drive Bridge	<i>Advertise Feb 2019. Construct Mid 2019</i>
US34	
Big Thompson Canyon Flood Repair	<i>Roadway is open. Under construction</i>
PEL Study	<i>Final report pending</i>
34 Business Rt Overlay & Bridge Work (Flood)	<i>Construction complete</i>
SH60	
WCR 40 Intersection Improvements	<i>Construction is underway.</i>
SH257 (Flood) – Little Thompson Structures	<i>Construction complete</i>
Over the South Platte River	<i>Construction is underway.</i>
US287	
SH1 to LaPorte Bypass	<i>Construction continues.</i>
Foothills Parkway Intersection	<i>Early 2019 advertisement</i>
ADA Curb Ramp Program	
Greeley ADA Curb Ramps Phase 1	<i>Construction is wrapping up</i>
Loveland ADA Curb Ramps Phase 1	<i>Construct Spring 2019</i>



STAC Summary – January 25th, 2019

- 1) **Introductions & November/December 2018 Minutes** – Vince Rogalski (STAC Chair)
 - a) November/December STAC Minutes approved without changes.
- 2) **Transportation Commission Report** – Vince Rogalski (STAC Chair)
 - a) Transportation Commission:
 - i) The TC is preparing for the 2045 Statewide Transportation Plan (SWP) with revenue projections, including High, Medium, and Low scenarios discussed. Currently they are reviewing the formula programs and so far they have concurred with STAC recommendations for Metro Planning, STP-Metro, Transportation Alternatives Program (TAP) and Congestion Mitigation and Air Quality (CMAQ). FASTER Safety and Regional Priority Program (RPP) will be discussed at the next meeting.
 - ii) Members of the TC expressed appreciation for the collaboration and support of STAC.
 - b) High Performance Transportation Enterprise (HPTE):
 - i) The HPTE is continuing to repay CDOT for the loans that originally set it up. Most recently they completed a payment of \$250,000 and plan to continue repayment on a 6-month schedule.
 - c) STAC Discussion: Sean Conway informed the group that he would no longer represent the North Front Range MPO at STAC and introduced his replacements, Kristie Melendez and Dave Clark. Vince thanked Sean for his service to the STAC.
- 3) **TPR Reports** – TPR Representatives
- 4) **Federal and State Legislative Report** – Herman Stockinger & Andy Karsian (Office of Policy & Government Relations)
 - a) State:
 - i) On January 17th, Governor Polis issued Executive Order B 2019-002 “Supporting a Transition to Zero Emission Vehicles”, which included directives on the formation of a state agency working group on transportation electrification, changes to the state’s VW Settlement Beneficiary Mitigation Plan, rulemaking for a Colorado Zero Emission Vehicle program, and the development of a zero emission vehicle and clean transportation plan by CDOT. Staff are seeking clarification from the Governor’s Office on several points and will share more information with the STAC when available.
 - ii) CDOT staff is tracking a number of bills that may impact CDOT, including items related to distracted driving, managed lanes, property acquisition, and funding. Staff will update the STAC on these bills as more information becomes available in future months.
 - b) Federal: At the time of the STAC Meeting it was Day 34 of the federal shutdown and there was no end anticipated in the near future. However, later that afternoon a deal was reached to reopen the government.
 - c) STAC Discussion: Representatives inquired about the impacts on ZEVs on transportation revenues and sought clarification on the likelihood of a referred ballot measure on transportation.
- 5) **INFRA Discretionary Grants** – Debra Perkins-Smith (Division of Transportation Development) & Herman Stockinger (Office of Policy & Government Relations)
 - a) INFRA grants are intended to support economic vitality at a national and regional level, attract non-federal sources of investment, and deploy innovative technologies. There are \$902.5 million available nationwide.
 - b) CDOT (or any other entity) may submit no more than 3 applications. Required match is 40% but competitive applications will likely have a higher match level.
 - c) CDOT staff reviewed candidate projects for submission and, in consultation with STAC representatives, identified 3 to submit (plus 1 more to support).
 - i) US 287: Passing Lanes from OK State Line to Kit Carson



- ii) SH 13: Rifle North Safety and Mobility Improvements
 - iii) Statewide Smart Fiber Infrastructure
 - iv) Support Adams County's US 85 and 120th Ave: Bridge / Grade Separation project application
 - d) STAC Discussion: Representatives discussed the pros and cons of different potential project applications, discussed strategy around apply for "large" vs "small" projects, and prioritized which ones to recommend to the TC for CDOT submission.
 - e) STAC Action: The STAC voted unanimously to recommend CDOT applications for the US 287, SH 13, and Statewide Smart Fiber Infrastructure projects and support for Adams County's US 85 application.
- 6) **Colorado Aviation System Plan** – David Ulane (Aeronautics Division)
- a) The Colorado Aviation System Plan (CASP) is currently being developed. The last CASP was completed in 2011, then updated in 2015. The current version is based on FAA guidance and will consider new elements like multimodal connection, air quality, and other emerging issues.
 - i) It does not replace individual airport master plans – rather it is a top-down analysis and a resource for airports to access.
 - b) The CASP team is seeking STAC input in 3 specific areas: regional aviation issues and needs, regional environmental considerations, and intermodal considerations.
 - i) Planning to host a webinar on February 14th to solicit input.
 - ii) Staff are also happy to meet with STAC members individually if desired.
 - c) For more information, visit: <https://www.coloradoaviationsystem.com/>
 - d) STAC Discussion: Representatives discussed an innovative "virtual air traffic control" project at Northern Colorado Regional Airport and the implications of technology on aeronautics more generally. They also identified encroachment as a growing issue across the state, as well as freight movement and intermodal connections.
- 7) **SB 18-001 Multimodal Options Funds** – Debra Perkins-Smith (Division of Transportation Development) & David Krutsinger (Division of Transit & Rail)
- a) Amber Blake (SW), Heather Sloop (NW), and Elise Jones (DRCOG) were previously identified to participate on behalf of STAC in the Multimodal Options Fund committee designated by SB 1 to determine local allocation formulas. All the other participating groups have identified their representatives and the first meeting will occur soon.
- 8) **SB 267 Transit Project "Portfolio"** – David Krutsinger (Division of Transit & Rail)
- a) As a reminder, SB 267 is a loan instrument over 4 years and 10% of the funds generated are to be dedicated to transit. The first tranche of that funding is \$38 million, and \$9.5 million has already been released in a call for projects for rural transit projects. Today we'll focus on the remaining \$28.5 million.
 - b) DTR is looking to diversify the use of these funds beyond just Park & Rides, to include items like maintenance facilities for Bustang, and also seeking partnership projects.
 - c) Staff will return with potential projects for STAC consideration and comment at the March STAC Meeting.
- 9) **Bustang Fare Increase Proposal** – David Krutsinger & Mike Timlin (Division of Transit & Rail)
- a) Bustang ridership is continuing to increase, necessitating the dispatch of extra buses, particularly on the West line to Grand Junction.
 - b) Bustang is facing several cost factors that are impacting its overall budget:
 - i) Diesel fuel costs are up 22% from 2015, from an equivalent of \$.38 per revenue mile to \$.52 per revenue mile.
 - ii) There is also a shortage of CDL drivers, causing other organizations to increase salaries in order to attract and retain talent. CDOT has done the same in order to compete.
 - c) Staff are proposing to increase fares by \$1.00 per trip, with senior and disabled fares held harmless. Would like to hear any comments from the STAC on this proposal.



- d) STAC Discussion: STAC representatives inquired about current fares and suggested that increases should be proportional rather than a flat rate across the board.
- 10) **Bustang Outrider Phase III** – David Krutsinger & Mike Timlin (Division of Transit & Rail)
 - a) CDOT is considering the next logical expansion of the Bustang Outrider rural transit network. Staff analyzed 21 potential routes across the state and assessed them based on 4 criteria:
 - i) *Implementation Feasibility* – based on operational cost, existing service, previous planning efforts, and local support.
 - ii) *Social Equity* – Percent minority population, % below poverty line, % of households without vehicle access.
 - iii) *Geographic Equity* – distribution across all areas of the state.
 - iv) *Ridership Forecasts* – Based on population, employment, disadvantaged populations.
 - (1) Ridership forecast methodology was tested against actual ridership numbers on existing routes and found to be accurate.
 - b) Initial results have delineated the 21 routes but no conclusions will be drawn until CDOT completes regional outreach to identify top regional and state priorities.
 - c) STAC Discussion: Representatives discussed a number of potential routes and their initial scores for feasibility and ridership. Others encouraged staff not to unintentionally duplicate or compete with existing Medicaid transportation services and discourage the use of rural hospitals in favor of larger metropolitan facilities. Staff confirmed that no final conclusions have been drawn from the initial results and that routes considered unsuitable for rural Outrider service may be better suited for more commuter-focused Bustang service.
- 11) **Southwest Chief & Front Range Rail Commission** – David Krutsinger (Division of Transit & Rail)
 - a) This commission was funded through the state legislature and is currently in the process of staffing before putting out an RFP for research activities.
 - b) Exclusive focus on passenger service, with an 11-member board appointed by the Governor as well as participating agencies such as RTD.
 - c) The key questions to be answered are what markets need to be served and at what speeds.
 - d) Approximately \$25 million in federal dollars available to support this effort, which keeps it out of the FASTER Transit pot.
 - e) The national AMTRAK 2.0 concept is looking at potential routes that do not currently have passenger service, one of which is the Front Range.
 - f) STAC Discussion: Representatives inquired about AMTRAK’s proposal to limit or end Southwest Chief service and replace it with a “bus bridge”, and CDOT staff clarified that this is not currently on the table and that the recent CRISI grant will fund positive train control technology as far as La Junta, so even a future closure would likely continue service at least that far from Chicago.
- 12) **Other Business** – Vince Rogalski
 - a) In February, the Transportation Commission will meet the same week as STAC, on February 20th and 21st.
 - b) The next STAC Meeting will be held on Friday, February 22nd at CDOT HQ (2829 W. Howard Place, Denver CO 80204).
- 13) **Adjourn**