

2017 Summer Ozone Update

Briefing to the
North Front Range MPO Planning Council
July 6, 2017



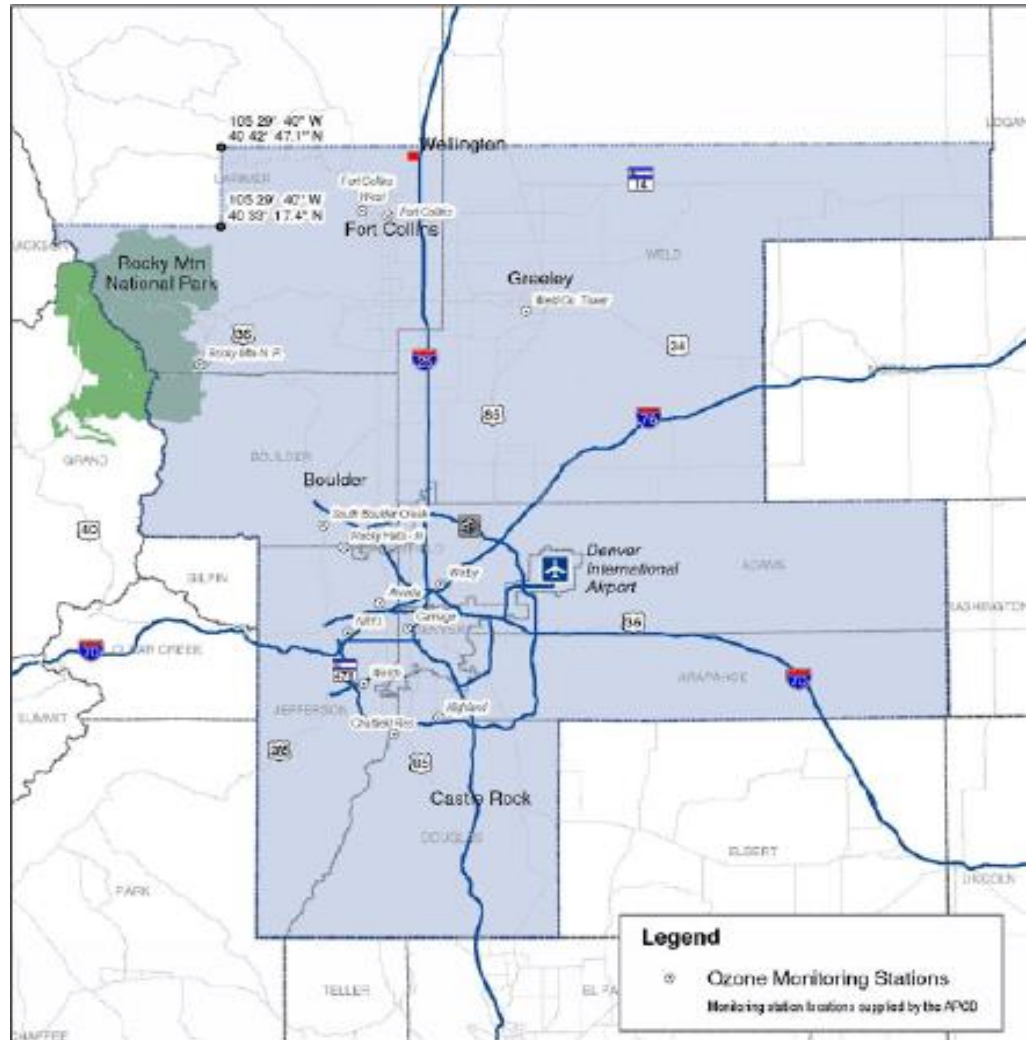
COLORADO

Air Pollution Control Division

Department of Public Health & Environment

APCD's Ozone Priorities

- ▶ Protect public health
- ▶ Attain air quality standards



National Ambient Air Quality Standards (NAAQS)

- ▶ 2008 standard
 - 75 ppb
 - Denver Metro/
NFR nonattainment
area
 - SIPs submitted to
EPA
 - Still working to
attain
- ▶ 2015 standard
 - 70 ppb
 - Nonattainment
area designations
in 2017 or 2018
 - No SIP yet

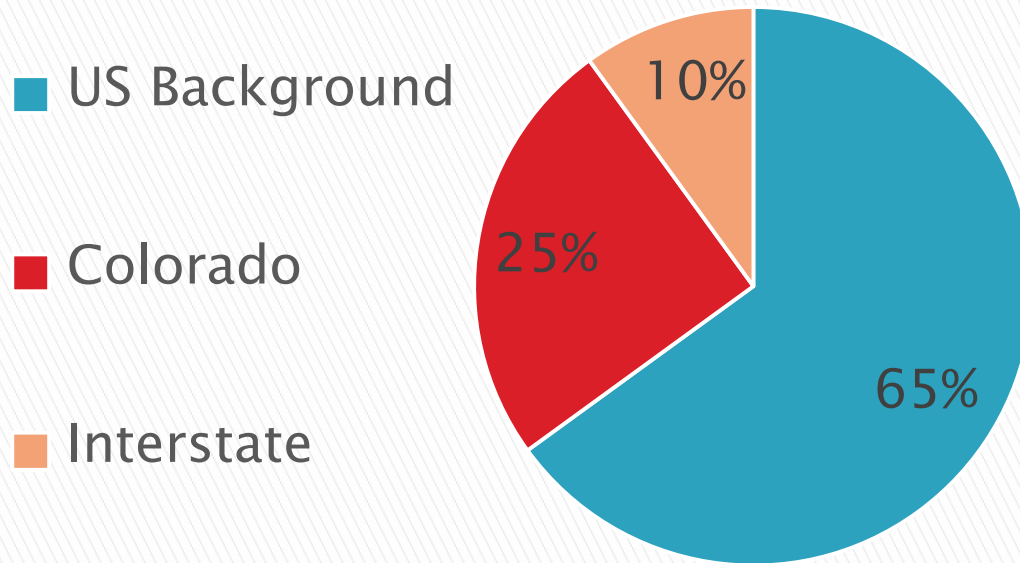
2017 Ozone Values

- ▶ Some unvalidated values above 75 ppb
 - 3 days at NREL
 - 2 days at Fort Collins West
 - 1 day at Chatfield
- ▶ EPA uses 3-year average of 4th highest day at each monitor



Background Concentrations and Transport

Contributors



▶ Clean Air Act allows relief for:

- Exceptional events
- International transport

What CDPHE is Doing

- ▶ 2016 SIP revision
- ▶ 2017 oil & gas standards
- ▶ 2018–19 major source RACT
- ▶ Voluntary measures

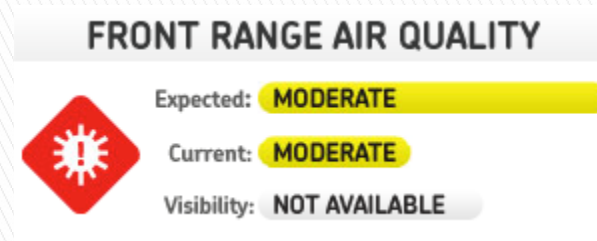


Federal Timelines

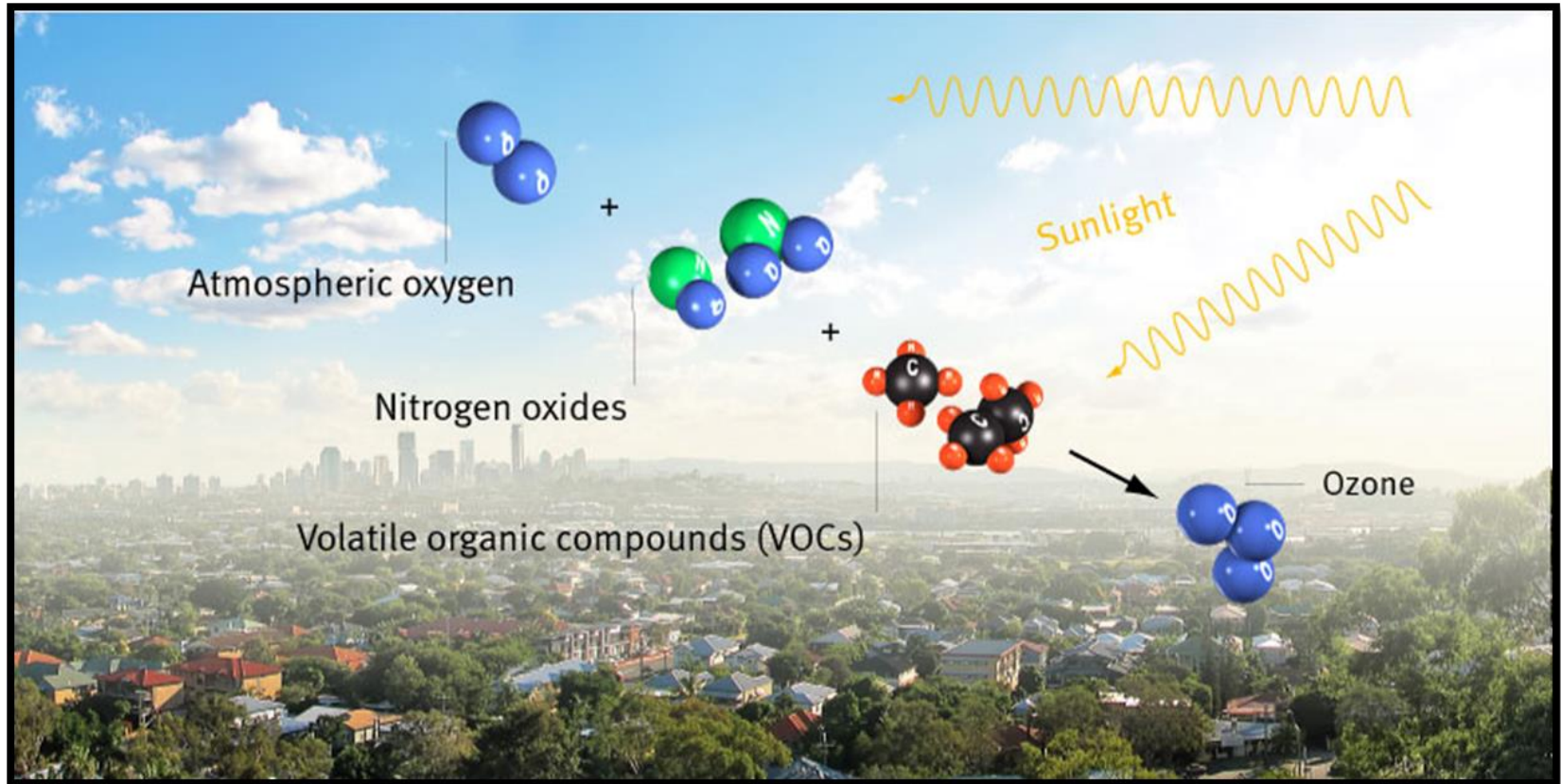
- ▶ 75 ppb attainment deadline is July 2018
 - If DMNFR does not attain, potential bump-up in Jan 2019
 - 1-year extension if 2017 is clean year
 - If attain, become maintenance area
- ▶ Timing of 70 ppb standard uncertain

NFR MPO is a Key Partner

- ▶ Transportation plans and TIPs
- ▶ Conformity determinations
- ▶ Transportation alternatives
- ▶ Nonmotorized Plan
- ▶ Public outreach



Questions?



July 6, 2017 Director's Report Addendum

Planning Council

- Please let Renae know if you do not need a mailed packet to reduce paper

Council/Board Presentations

- Please let me know if you would like me to make a presentation on the MPO to your board or council

VW Proposed Partial Consent Decree

- More information available at <http://bit.ly/2aswWj9>
- A presentation on the VW settlement is scheduled for the August Planning Council meeting when the Trustee should be approved

Fix N I-25

- The next N I-25 Coalition meeting is scheduled for July 5 at Southwest Weld from 6:30 - 8:00pm
- The next N I-25 Funding Subcommittee meeting is scheduled for July 7 from 11:30 to 1:00 pm at Perkins at Crossroads

VanGo™

- A purchase order was sent to Pedersen Toyota for 8 vans
- *Two vans will be delivered in early July*
- The VanGo™ program is maintaining 90 percent occupancy with many vans having 7 registered riders and total number of riders is also up
- *The MPO Civic will be sent to auction with the VanGo vans*

Oil and Gas Summit

- *The Executive Director will be attending the Energy Summit from August 22 through August 24*

Front Range Rail

- Becky Karasko will be the staff member for the NFRMPO on the FRR Commission
- *The Executive Director and the Regional Transportation Planning Director will be participating in a ride on the UPRR's Heritage Fleet traveling between Cheyenne, WY and Commerce City*

NoCo Bike and Ped Collaborative

- *The NoCo Bike and Ped Collaborative will be discussing the NFRMPO as a fiduciary at their July 12 Meeting*
- *The group will also begin to discuss projects to use Non-motorized funds being returned to the NFRMPO*

Staff

- Barbara Bills is now working part-time as the VanGo™ billing and administrative clerk

Bike/Pedestrian Counters

- The Town of Windsor completed their count program in early April but will be using them again in June
- For more information on the training or to reserve the counters, contact Ryan Dusil at 970-224-6191 or by email rdusil@nfrmpo.org

Mobility Committees

- The Larimer Senior Transportation Coalition meets August 3 from 1:30 -3:00 pm at Pathways Hospice
- The Larimer County Mobility Committee met August 17 from 1:30 -3:00 pm at the NFRMPO office and Weld Mobility Committee meets July 25 from 1:30-3:00 at the Greeley Chamber of Commerce
- The Mobility Program has initiated its outreach for the Coordinated Plan
- At the same time, the NFRMPO staff will have information on Air Quality and VanGo™
- The NFRMPO has communicated with 688 residents and visitors at Fort Collins Earth Day, Johnstown BBQ Day, Berthoud Day, FC Open Streets and Bike to Work Day

Completed Outreach		
Fort Collins Senior Advisory Board	Fort Collins	3/8/2017
Commission on Disabilities	Greeley	4/4/2017
Senior Advisory Board	Loveland	4/5/2017
Senior Transportation Coalition	Fort Collins	4/6/2017
Disabilities Advisory Commission	Loveland	4/10/2017
Arc of Weld County Community Transition Team	Greeley	4/12/2017
Commission on Disabilities	Fort Collins	4/13/2017
Transportation Advisory Board	Fort Collins	4/19/2017
Citizens Transportation Advisory Board	Greeley	4/24/2017
Fort Collins Earth Day	Fort Collins	4/22/2017
Johnstown BBQ Day	Johnstown	6/3/2017
Berthoud Day	Berthoud	6/3/2017
Fort Collins Open Streets	Fort Collins	6/4/2017

Planned Outreach		
Bike to work Day	Fort Collins, Loveland & Greeley	6/28/ 2017
Eaton Days	Eaton	7/8/2017
LaSalle Days	LaSalle	7/15/2017
Evans Heritage Day	Evans	9/16/2017
Beef N Bean Day	Milliken	8/12/2017
Severance Days	Severance	8/19/2017
Corn Roast Festival	Loveland	8/25/2017
		8/26/2017
Windsor Harvest Festival	Windsor	9/3/2017
		9/4/2017
Taste of Timnath	Timnath	10/7/2017

NFRMPO Documents available electronically or as printed copies

- To assist with public outreach, staff has designed and printed the following documents:
 - NFRMPO and VanGo™ Brochures
 - 2016 Annual Report
 - 2040 RTP Brochure updated
 - Mobility Postcards
 - Mobility Rider's Guide
 - Spanish Mobility Rider's Guide
 - Quarterly Newsletter
 - VanGo Dashboard



North Front Range MPO Area - Project Status Updates (3 July 2017)

<u>Roadway / Segment</u>	<u>Status</u>
SH14	
US287 PR at Ted's Place	<i>Advertisement let 22 June 2017</i>
US287 to I-25 Surface Treatment	<i>In Design</i>
I-25	
Crossroads Blvd Interchange / Bridges	<i>Construction is underway</i>
Truck Climbing Lane	<i>Construction is wrapping up</i>
Design /Build	<i>Final RFP out for Ad</i>
Fort Collins North Cable Rail	<i>In Design</i>
Ramp Metering- Harmony Rd SB SH392 NB/SB	<i>Signals installed and in flashing mode. Will be activated after adequate testing</i>
US34	
Big Thompson Canyon Flood Repair	<i>Road open for summer. Fall closure scheduled</i>
US34 Business in Greeley Surface Treatment	<i>In Design</i>
PEL Study	<i>Progressing</i>
SH60	
US287 to Milliken Resurfacing	<i>Construction is underway</i>
WCR 40 Intersection Improvements	<i>In Design</i>
SH257 PR (Milliken) – Little Thompson Structures	<i>Construction is underway</i>
US85	
Eaton to Ault- ADA ramps & Resurfacing	<i>Construction is underway</i>
US85 PEL Study	<i>Final signatures in progress</i>
US287	
SH1 to LaPorte Bypass	<i>Construction is underway</i>
Road damage near Larimer CR 17	<i>Construction is wrapping up</i>
SH392	
US85 Intersection	<i>Construction is underway</i>
SH402	
Larimer CR 9E	<i>Construction is complete</i>



STAC Summary – June 23rd, 2017

- 1) **Introductions & May Minutes** – *Vince Rogalski (STAC Chair)*
 - a) May 2017 STAC Minutes approved without changes.
- 2) **Transportation Commission Report** – *Vince Rogalski (STAC Chair)*
 - a) Transportation Commission (TC)
 - i) The TC took a road trip around the Denver Metro to view construction projects and the new CDOT HQ facility, scheduled for move-in by April 2018.
 - ii) The group discussed the best approach to using SB 267 in fair, statewide manner.
 - iii) TC members received updates on RoadX technology and the RUC Pilot results.
 - b) High Performance Transportation Enterprise (HPTE)
 - i) HPTE made its first \$750,852 loan repayment to the TC per the terms of its creation.
 - ii) Issued the first HPTE-initiated bonds for \$160 million toward the C-470 project.
 - iii) Colorado received the first TIFIA loan of the new administration in support of the C-470 project.
 - iv) Initial results of the new AVI transponder system for tolled express lanes have shown strong benefits for both motorists and HPTE.
- 3) **TPR Reports** – STAC Representatives
- 4) **Chief Engineer Report** – *Joshua Laipply (CDOT Chief Engineer)*
 - a) CDOT is working through US 85 railroad crossing issues in conjunction with Union Pacific and Weld County to make an expired lease permanent.
 - b) The ILEX project in Pueblo has been delayed by changes to the railroad right-of-way agreement and CDOT staff are employing a “Pueblo First” approach to minimize disruptions to the community.
 - c) Engineering staff are also discussing the best approach to using SB 267 funds – specifically how to fund CDOT’s \$50 million annual contribution and how to mitigate financial risk in future years.
- 5) **Federal and State Legislative Report** – *Herman Stockinger & Andy Karsian (CDOT Office of Policy & Government Relations)*
 - a) State
 - i) A number of Transportation Legislation Review Committee (TLRC) outreach events will occur during the summer, including four regional visits:
 - (1) July 24-26: Southwest
 - (2) August 14: Northeast
 - (3) August 26-30: Northwest
 - (4) October (date TBD): Southeast
 - ii) STAC and local agency participation in these events would help to highlight regional concerns and give legislators a better understanding of the planning process and its challenges.
 - b) STAC Discussion: CDOT Deputy Director Mike Lewis encouraged STAC members to participate in TLRC events and help explain transportation planning issues and processes to members of the legislature who may have little background or understanding of the topic.
- 6) **SB 267 Discussion** – *Herman Stockinger (CDOT Office of Policy & Government Relations)*
 - a) Three major points of conversation around SB 267 are:
 - i) How should CDOT fund its \$50 million annual contribution?
 - ii) How should CDOT mitigate the financial risk of the program if the \$91 million annual contribution from the General Fund disappears at some future date?



- iii) Should CDOT identify a full 4-years' worth of projects up-front, or break the project selection into two or more tranches to better adapt to changing needs and funding over the course of future years?
 - b) The projects in the Development Program have been updated for scope, schedule, and costs as part of the HB 1242 effort.
 - c) TC members believe that SB 267 funds should be treated as a statewide resource, rather than dividing them between urban and rural pots.
 - d) STAC Discussion: STAC members discussed the importance of communicating to legislators and the public that the \$1.8 billion figure associated with SB 267 is largely in the form of loans (rather than new revenues) and is not sufficient to meet the state's transportation needs. Some STAC members advocated an approach whereby asset management funding would be reduced in those regions of the state receiving larger SB 267-funded projects as a means of balancing the positives and negatives of the program. Others discussed the best use of the 10% transit set-aside, especially concerns about purchasing vehicles with a 15-year use life and a 20-year repayment period.
- 7) **RoadX Program Update** – *Peter Kozinski (CDOT RoadX Program Director)*
- a) An opportunity has presented itself to develop a Connected Vehicle Ecosystem in partnership with Panasonic.
 - b) NHTSA is mandating that all new vehicles be equipped to Dedicated Short-Range Communication (DSRC) systems that will allow for vehicle-to-vehicle and vehicle-to-infrastructure data-sharing within the next few years.
 - c) CDOT wants to develop a supporting infrastructure to maximize the benefits of this data for improved crash reduction, system efficiency, incident management, and environmental sustainability throughout the state transportation system. Estimated potential benefits include:
 - i) 8,400 additional crashes prevented per year
 - ii) \$78 million in financial benefit
 - iii) 42% reduction in freeway travel times
 - iv) 25% reduction in weather incident delays
 - d) Technology will not forego the need for traditional construction projects, but will help to ensure that they occur in the right locations, times, and scopes.
 - e) The ecosystem that CDOT proposes would be the first of its kind in the world, but Panasonic is uniquely suited to support this work and I-70's diverse landscape presents an ideal testing ground.
 - f) STAC Discussion: STAC members discussed their different expectations for the benefits of connected and autonomous vehicles, highlighted the importance of inter-state operability of new data systems, and discussed the need for continued discussion as transportation technologies advance in the coming years.
- 8) **Colorado Road Usage Charge (RUC)** – *Tim Kirby (CDOT Multimodal Planning Branch)*
- a) Colorado requires a new funding source due to increased vehicle efficiency, lack of gas tax increases, greater use of alternative fuels, growing population and VMT, and decreased purchasing power of existing dollars.
 - b) RUC is a utility-style system in which users are charged on a per-mile basis, mirroring their actual impact on the state transportation system.
 - c) A 4-month Statewide RUC Pilot was conducted between December 2016 and April 2017, reporting mileage and simulating payments for roughly 100 participants across every area of the state.
 - d) Key findings included:
 - i) There is a need for greater public education on transportation funding, and RUC in particular.



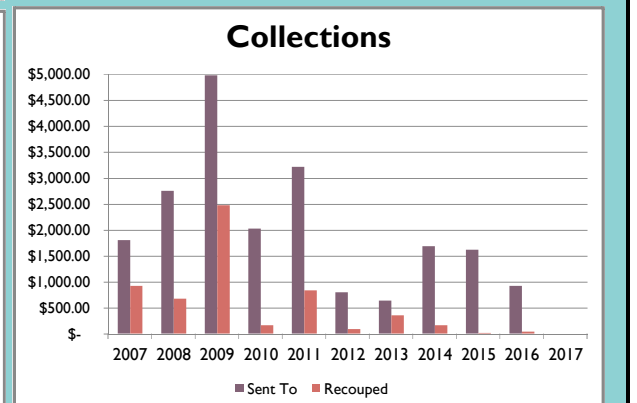
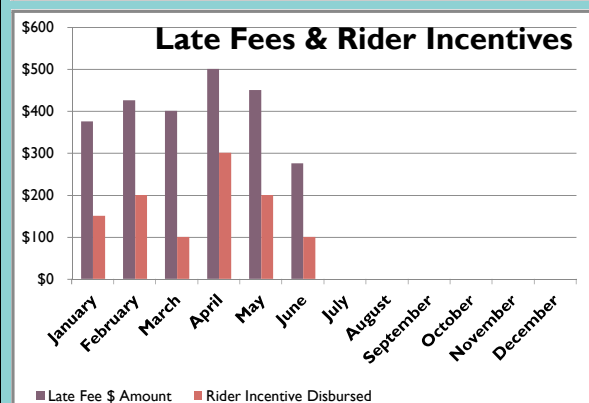
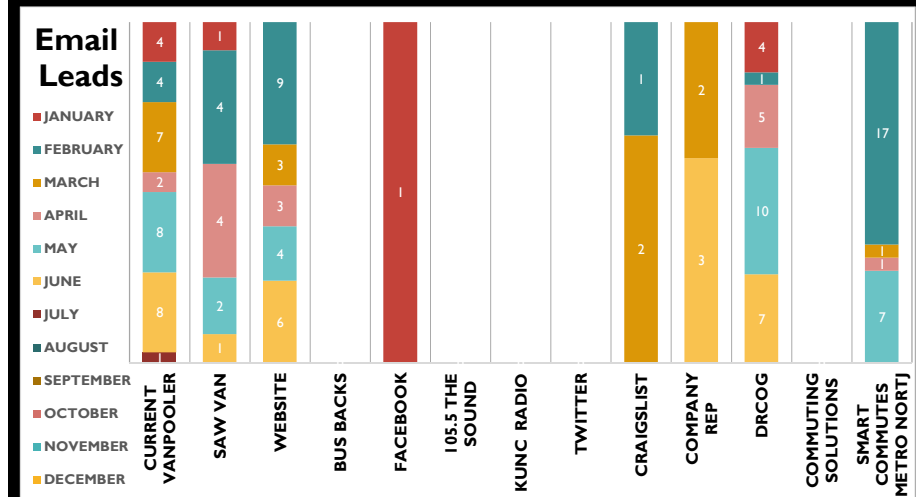
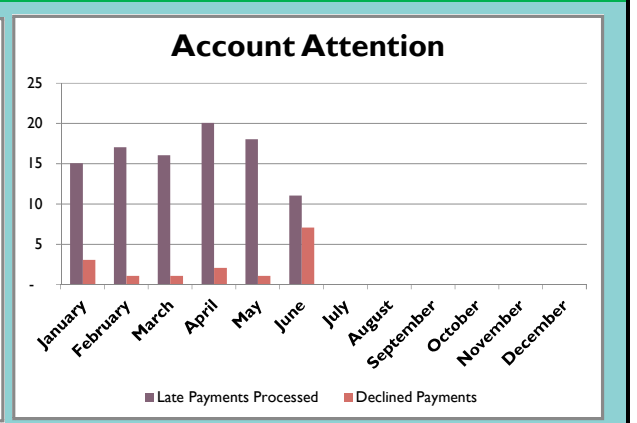
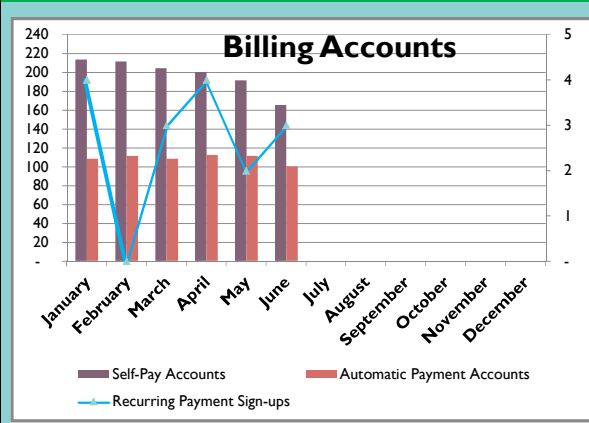
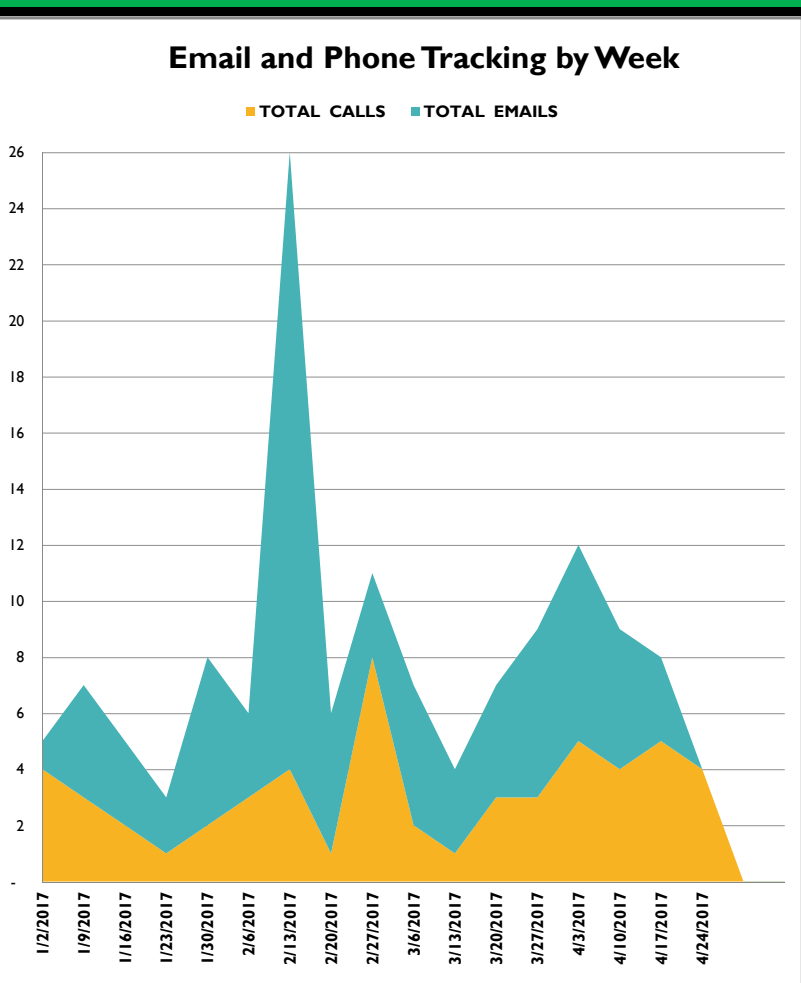
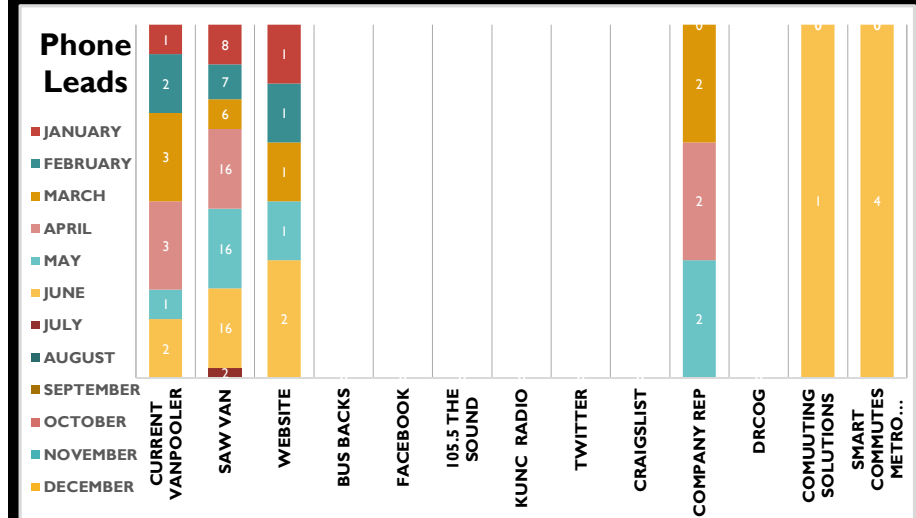
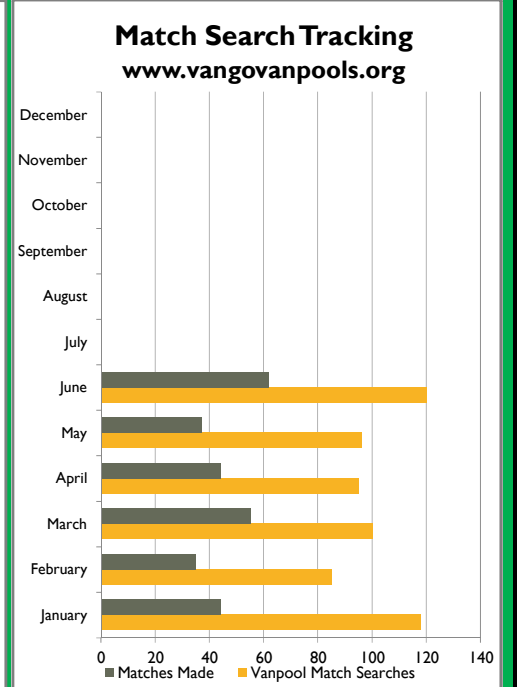
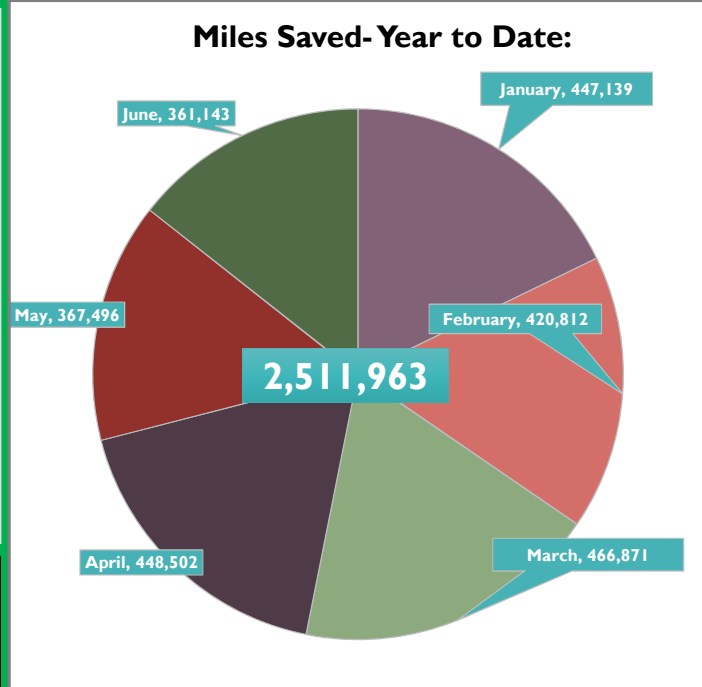
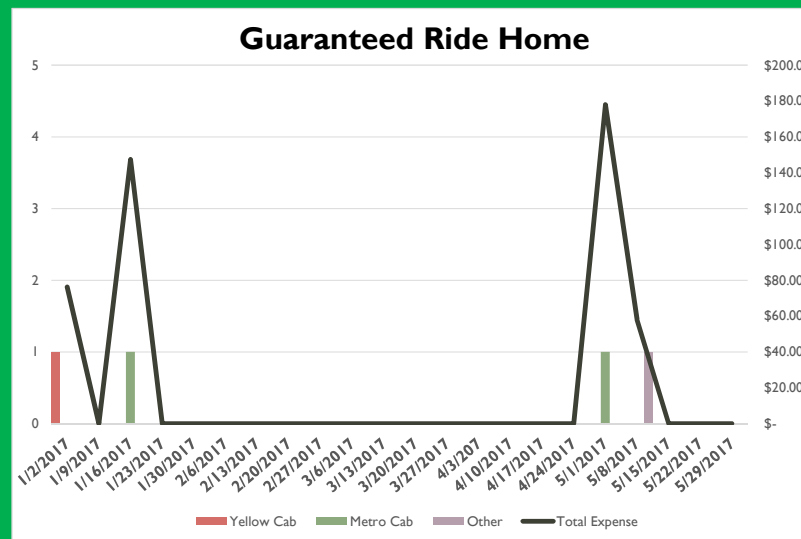
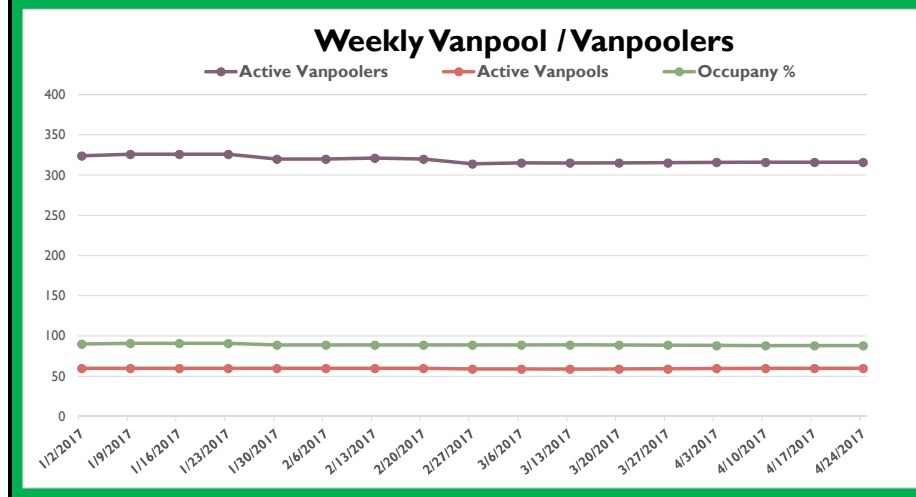
- ii) There was a high level of satisfaction among pilot participants and the appeal of RUC grew over the course of the pilot.
 - iii) Common participant concerns included data privacy, payment equity, and rural vs. urban benefits.
 - iv) Future issues to address include improved roadway ownership data, revenue collection methods, administration costs, barriers to public acceptance, and data privacy.
 - e) CDOT will coordinate with other state agencies (Department of Revenue and Office of Information Technology) while pursuing a second pilot in cooperation with the Farm Bureau and continuing focus group and education efforts.
 - f) STAC Discussion: STAC members who participated in the pilot expressed their satisfaction and positive experiences while others discussed potential challenges in determining appropriate approaches to travel on private roads and across state boundaries.
- 9) **Other Business** – *Vince Rogalski (STAC Chair)*
- a) CDOT’s Division of Transit & Rail (DTR) is seeking a STAC representative to participate in FTA 5310 application scoring, and Walt Boulden of the South Central TPR volunteered.
 - b) The next STAC Meeting will be held on July 28th at CDOT Headquarters in Denver.
- 10) **STAC Adjourns**

DRAFT

VanGo Metrics 2017

<http://nfrmpo.org/vango/>

VanGo is the nationally-recognized vanpool program of the North Front Range Metropolitan Planning Organization (NFRMPO). This dashboard (VanGo Metrics) provides a snapshot of the program "vitals"--1) Sales and Marketing, 2) Operations, and 3) Billing. The document will be updated online monthly to provide transparency regarding the operating efficiency of the program to the hundreds of vanpoolers it serves.



KEY Sales and Marketing (Black) VanGo Operations (Green) VanGo Billing (Teal) Phone - 1.800.332.0950 Website - www.vangovanpools.org / www.nfrmpo.org



**RESOLUTION NO. 2017 -14
OF THE NORTH FRONT RANGE TRANSPORTATION AND AIR QUALITY PLANNING COUNCIL
AUTHORIZING PAYMENT OF A PROFESSIONAL DEVELOPMENT PROGRAM USING LOCAL
FUNDS TO THE NORTH FRONT RANGE METROPOLITAN PLANNING ORGANIZATION**

WHEREAS, the North Front Range Metropolitan Planning Organization (MPO) Planning Council have supported professional development for the Executive Director and MPO staff;

WHEREAS, the Executive Committee has approved a coach for the Executive Director as part of their employment contract;

WHEREAS, the Executive Committee has met with the Coach and negotiated services for the entire MPO staff and the Executive Committee in addition to the Executive Director;

WHEREAS, the amount negotiated exceeds the amount previously approved by the Planning Council and the limit for federally funded services without using a competitive bidding process;

WHEREAS, the Executive Committee is recommending funding up to the total cost (\$61,480) that exceeds the funding limit allowed by the federal government without a competitive bid process using local funds; and

WHEREAS, up to the amount of \$61,480 will be funded with local funds and will be paid for out of the NFRMPO reserves extending the time to reach the six month reserve.

BE IT THEREFORE RESOLVED by the North Front Range Transportation & Air Quality Planning Council authorizes the Executive Committee and the Executive Director to enter into a contract with the Coach for professional development for the Executive Director, Executive Committee and the MPO staff for an amount not to exceed \$61,480 from the North Front Range Metropolitan Planning Organization Reserves.

Passed and adopted at the regular meeting of the North Front Range Transportation & Air Quality Planning Council held this 6th day of July, 2017.

Kevin Ross, Chair

ATTEST:

Terri Blackmore, Executive Director