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Technical Advisory Committee

- Dawn Anderson - Chair
City of Evans
- Dennis Wagner - Vice Chair
Town of Windsor
- Jeff Bailey, City of Loveland
- Stephanie Brothers, Town of Berthoud
- Gary Carsten, Town of Eaton
- John Franklin, Town of Johnstown
- Eric Fuhrman, Town of Timnath
- Will Jones, City of Greeley/GET
- Tim Kemp, City of Fort Collins
- Suzette Mallette, Larimer County
- Jessica McKeown, Town of LaSalle
- Mitch Nelson, Town of Severance
- Elizabeth Relford, Weld County
- Karen Schneiders, CDOT
- CDPHE-APCD
- Town of Milliken

- David Averill, Transfort
- Janet Bedingfield, SRS
- Amanda Brimmer, RAQC
- Aaron Bustow, FHWA
- Ranae Tunison, FTA
- NoCo Bike & Ped Collaborative

MPO Transportation Staff

- Terri Blackmore, Executive Director
- Becky Karasko, Regional Transportation Planning Director
- Ryan Dusil, Transportation Planner
- Alex Gordon, Transportation Planner III / Mobility Coordinator
- Medora Kealy, Transportation Planner
- Sarah Martin, Transportation Planner

Next TAC Meeting:
 November 15, 2017
 1:00-3:30 p.m.

Town of Windsor Wi-Fi
 Username: Windsor Rec Center
 Public Wi-Fi
 Password: password

**NFRMPO TECHNICAL ADVISORY COMMITTEE
 MEETING AGENDA**

September 20, 2017
 Windsor Community Recreation Center
 250 N. 11th Street—Pine Room
 Windsor, Colorado

1:00 – 3:30 p.m.

1. Introductions
2. Public Comment (*2 minutes each*)
3. Approval of August 16, 2017 Meeting Minutes (*page 2*)

CONSENT AGENDA:
 No Items this month.

ACTION ITEMS:

- | | |
|--|-------------|
| 4. September TIP Amendment (<i>page 7</i>) | Kealy |
| 5. Weld County CNG Station Equipment Project Scope Change (<i>page 11</i>) | Jim Flesher |

OUTSIDE PARTNERS REPORTS (*verbal*):

6. NoCo Bike Ped Collaborative
7. Regional Transit Agencies
8. Senior Transportation
9. Regional Air Quality Council

PRESENTATION:

- | | |
|-------------------------------------|--------|
| 10. NFRMPO UrbanCanvas Model Update | Martin |
|-------------------------------------|--------|

REPORTS:

- | | |
|----------------|-----|
| 11. Roundtable | All |
|----------------|-----|

MEETING WRAP-UP:

12. Final Public Comment (*2 minutes each*)
13. Next Month’s Agenda Topic Suggestions

TAC MEMBERS: If you are unable to attend this meeting, please contact Becky Karasko at (970) 416-2257 or bkarasko@nfrmpo.org. Thank you.

**MEETING MINUTES of the
TECHNICAL ADVISORY COMMITTEE (TAC)
North Front Range Transportation and Air Quality Planning Council**

**Windsor Recreation Center - Pine Room
250 North 11th Street
Windsor, CO**

**August 16, 2017
1:03 p.m. - 2:52 p.m.**

TAC MEMBERS PRESENT:

Dawn Anderson, Chair - Evans
Dennis Wagner, Vice-Chair - Windsor
Jeff Bailey - Loveland
Janet Bedingfield - Senior Resource Services
Amanda Brimmer - RAQC
Stephanie Brothers - Berthoud
Eric Fuhrman - Timnath
Will Jones - Greeley/GET
Tim Kemp - Fort Collins
Janet Lundquist - Weld County
Rusty McDaniel - Larimer County, Alternate
Karen Schneiders - CDOT
Nick Wharton - Severance

NFRMPO STAFF:

Terri Blackmore
Ryan Dusil
Alex Gordon
Becky Karasko
Medora Kealy
Sarah Martin

TAC MEMBERS ABSENT:

Aaron Bustow - FHWA
Gary Carsten - Eaton
John Franklin - Johnstown
Wendy Heywood - LaSalle
Ranae Tunison - FTA
CDPHE - APCD
Town of Milliken

IN ATTENDANCE:

David Averill - Transfort
Alisa Babler - CDOT
Jim Eussen - CDOT
Marissa Gaughan - CDOT
Chris Johnson - Bike Fort Collins
Katrina Kloberdanz - CDOT
Mitch Nelson - Severance
Elizabeth Relford - Weld County
Kathy Seelhoff - CDOT

CALL TO ORDER

Chair Anderson called the meeting to order at 1:03 p.m.

PUBLIC COMMENT

There was no public comment.

APPROVAL OF THE JULY 19, 2017 TAC MINUTES

Lundquist moved to approve the July 19, 2017 TAC meeting minutes. Bailey seconded the motion and it was approved unanimously.

CONSENT AGENDA

No items this month.

ACTION ITEMS

FY2017 Program of Projects (POP) - Averill explained the FY2017 Program of Projects (POP), which includes projects within the Fort Collins Transportation Management Area (TMA) which use FTA §5307, §5310, and §5339 funds. §5307 funds operations, preventative maintenance, and the Dial-a-Ride program; §5310 funds the Dial-a-Taxi program and its expansion to Loveland; and §5339 funds capital needs. Averill reported Transfort held a public meeting on August 1, 2017. Averill stated the POP will be taken to the September Planning Council meeting for approval. Jones recommended

Planning Council approval of the FY2018 POP. Bailey seconded the motion and it was approved unanimously.

Annual TIP Review - Kealy stated the Transportation Improvement Program (TIP) Project Delay Procedure is included in the NFRMPO TIP to promote the timely use of federal funds. Kealy explained TAC can provide a one-year extension to delayed projects if CDOT can guarantee the funds in the next fiscal year. If a second one-year extension is needed, TAC can recommend Planning Council issue a second extension or recommended Planning Council remove the funds from that project and either return them to the pool or fund another project. Kealy collected project status information from TIP Project Sponsors with funding in FY2016 and FY2017, and the information is included in Table 1 in the TAC packet. Six projects have not gone to advertisement and are considered delayed. Jones asked for clarification on the Greeley 10th Street Phase 1 and Phase II projects, and Kealy responded the initial program year in the TIP may be switched. Kealy asked if TAC members consider the procedure to be valuable, since it has not been conducted since 2014. Schneiders stated the Annual TIP Review is valuable as a supplement to the quarterly Federal Inactives Report, and others agreed the Annual TIP Review is working well.

Blackmore asked about the status of the *Loveland CNG vehicle replacement* project. Bailey explained Loveland is currently undertaking a vehicle study, which should be complete by 2018, and vehicles could not be purchased until 2019 at the earliest. Blackmore asked if the funds should be moved to another project, and Bailey responded Loveland does not currently have another project and he would return the funds to the pool. Schneiders clarified this would not be a funding swap, but rather relinquishing the funds.

Averill stated Transfort only received one bid for their last RFP and needed to go back out for bid. Funding may not be spent for another 12 months as the bus is being built. Averill asked if that would cause any issues. Blackmore asked if the funding was flexed to FTA, and Averill responded Transfort is in the process. Kealy clarified the policy is concerned with the advertisement date.

Lundquist made a motion to recommend an automatic one-year extension to delayed projects included in Table 1 of the TAC packet, excluding the *Loveland CNG Vehicle Replacement* project. Bailey seconded the motion and it passed unanimously.

FY2018-19 UPWP Amendment - Blackmore stated the Local Transportation Plan task needed to be amended into the UPWP. The task will be budget neutral, but will ensure there is funding for a local plan consultant. No dollars were included because funding is being discussed at the Finance Committee meeting on August 17. Staff time is already included in the UPWP. Eaton, Severance, Timnath, Weld County, and Windsor are planning to study Harmony Road/WCR74 and develop an Access Control Plan. Wharton recommended Planning Council approval of the FY2018-19 UPWP Amendment. Lundquist seconded the motion and it passed unanimously.

OUTSIDE PARTNERS REPORTS (verbal)

Northern Colorado (NoCo) Bike & Ped Collaborative - Dusil stated the August NoCo Bike & Ped meeting included updates from CDOT on the North I-25 project design between Prospect Road and SH402, and a work session to discuss potential projects to use Transportation Enhancement (TE) and Transportation Alternatives Program (TAP) funding that will be returned to the NFRMPO. The Great Western Trail Authority, Fort Collins, and Windsor presented projects. Projects will be evaluated at the September NoCo meeting, and a recommendation to TAC will be made after. A workshop on winter trail maintenance is tentatively planned for November.

Regional Transit Items - Bailey reported the COLT contracted paratransit service plan will be presented to the Loveland City Council on September 19. Averill stated Transfort is moving forward with the new Colorado State University (CSU) Stadium transportation plan. GET will be providing vehicles and drivers to help provide service on CSU game days. Averill added 365-day Transfort service starts August 27. FLEX regional partners continue to meet to discuss funding for the FLEX to Boulder, which uses a CMAQ grant through the end of FY2018. Jones reported the GET Regional

Transportation Center opens on August 21, and a grand opening event will be held September 8 at 4:00 p.m. Minor route changes will occur. Jones stated GET ridership is up 13 percent year-over-year compared to 2016. Planning continues on the Regional Route Study, including discussing funding options. Schneiders reported CDOT is adding one roundtrip to Bustang's North Line beginning August 20 and two trips each on Saturday and Sunday. The Bustang RamsRoute and BroncosRide will also return this year.

Senior Transportation Items - Bedingfield reported Senior Resource Services continues to see increases in new clients, which are up 22 percent. A major issue is finding volunteer drivers, which creates particular challenges for the rural portions of Weld County. SRS is working with GET paratransit to help provide more rides.

Regional Air Quality Council (RAQC) - Brimmer stated there is clean data so far for 2017, meaning no monitor has gone above the ozone standard more than twice this year. This could potentially lead to two one-year extensions for possible attainment in 2019. Brimmer reported EPA rescinded the delay in new designations for the 2015 ozone standard, but the timeline for revocation of the old standard is not yet known. RAQC is looking into a Clean Air Act Section 179B demonstration which would use modeling to show the region would attain the ozone standard but for anthropogenic emissions from outside of the US. Brimmer stated there is an Air Quality Control Commission (AQCC) hearing on October 19-20 to discuss new oil and gas regulations. RAQC will be holding a Low-Emission, Lawn & Garden, Local Government Field Day event on October 17. Anderson asked about the NREL monitor, which had been above the standard in previous months. Brimmer stated a malfunction had increased readings at that monitor and it does not impact the clean data.

PRESENTATIONS

CDOT ADA Plan - Katrina Klobberdanz, CDOT Region 4, presented on CDOT's ADA Transition Plan. CDOT plans to have all ramps on CDOT facilities be ADA-accessible within five years. New standards and guidelines have been created, which will be used in new projects. The Colorado Transportation Commission has set aside \$85M statewide for these projects between FY2017 and FY2021. CDOT Region 4 is preparing a prioritization plan, which includes a scope of work, obtaining a Program Management Consultant Engineer, and advertising for non-project specific contracts for design. CDOT Region 4 has a goal to begin pre-construction activities for ramps in Tiers I and II during FY2017 and FY2018, with up to three small projects ready for advertisement by June 2018. There are 92 Tier I ramps and 461 Tier II ramps in the NFRMPO region. Jones asked what coordination CDOT had undertaken with local communities. Klobberdanz responded any local agency project would already include the new standards, but once the consultants are on board, Klobberdanz will meet with local communities. Kemp asked if he should continue to work with his current Local Agency Representative. Klobberdanz responded he should.

Safe Routes to School (SRTS) - Karasko introduced Chris Johnson, Bike Fort Collins, who discussed partnering with the NFRMPO to expand the Safe Routes to School program to the entire region at the August Planning Council meeting. The UPWP includes a task for the NFRMPO to write a SRTS grant on behalf of schools or school districts in the region. The SRTS Call for Projects is open and applications are due November 1. TAC members should reach out to Karasko or Dusil if interested in participating and to provide contacts at elementary schools and additional partners. Johnson stated Bike Fort Collins has underutilized resources that could be made available regionally. Bike Fort Collins, a 501(c)(3), applied for SRTS funding six years ago and hired staff to visit each elementary school in the Poudre School District on a three-year rotating schedule to teach students how to maintain bicycles, traffic safety, and other useful skills. There is currently a League of American Bicyclists League Cycling Instructor (LCI) Coach who can certify LCIs locally to visit other schools. Johnson stated it costs about \$8 per student to run the program. Johnson indicated Bike Fort Collins is working with University of Northern Colorado to do a before and after study of the impacts of the program. Averill stated Bike Fort Collins should work with the Fort Collins Police Department to work on consistent reporting of crashes, because it is currently hard to find good data. Lundquist indicated

Bella Romero Academy had reached out with interest in the program. Anderson stated Evans has a new Community Resource Officer who may be interested.

CDOT Safety Performance Measure Targets - Alisa Babler, CDOT, presented on the State's Safety Performance Measure Targets. CDOT is required to set targets for fatalities, fatality rate, serious injuries, serious injury rate, and non-motorized fatalities. The NFRMPO needs to decide if it will adopt CDOT's performance measure targets and methodology or if it will create its own by February 2018. Babler stated CDOT forecasted increases in all five measures, and is being proactive by setting targets that incorporate those forecasts. Averill asked if CDOT is studying causality of crashes. Babler responded CDOT analyzes the data provided. Information like distracted driving, impairment due to marijuana, and aggressive driving might be underreported. Karasko stated information from the presentation will be distributed. Karasko asked how long TAC would like to analyze the data. Lundquist requested more than one month. Karasko stated this could be brought back as a Discussion Item in November.

ROUNDTABLE

Karasko announced the October TAC meeting will be canceled. Congressman Polis' Senior Legislative Assistant will be hosting a listening session on August 18 in Windsor. NFRMPO staff is currently working on an INFRA grant application for North I-25 Segments 5 & 6. Paul Lee has left APCD, and Karasko will work with APCD staff to identify a new TAC representative.

Martin stated she will be contacting TAC members for Land Use Model inputs, including current zoning and future land use data.

Kemp stated the Long View Trail is on track to go to bid this month, with construction beginning in October and the opening in June 2018. Fort Collins continues to prepare for the first CSU football game. The underpass at West Elizabeth Street and Shields Street will open later this week. Currently, Fort Collins has \$6M for grade-separated bike and pedestrian projects. The City is undertaking a prioritization study, including updating mapping.

Kealy stated the notice to Project Sponsors for TIP roll forwards was sent out the week of August 7 and are due by August 25.

Bailey reported the Taft Avenue bridge replacement has the road down to one lane in each direction. Garfield Avenue north of US34/Eisenhower Boulevard will close for 60 days in both directions for complete reconstruction of the road. A project to replace ADA ramps in downtown Loveland is delayed due to issues with the lowest bidder.

Lundquist stated her last day working with Weld County is August 24.

Furhman reported the Harmony Road project in Timnath is opening today.

Schneiders stated I-25 at Crossroads Boulevard northbound traffic will shift to the new bridge this week.

Averill stated Transfort had received additional CDOT funding to operate FLEX to Boulder.

Anderson stated the 65th Avenue project is continuing. The City is preparing for the new Prairie Heights Middle School opening this month. Riverside Park is under construction, and a ground-breaking ceremony will be held the weekend of August 18. Evans will hold Evans Heritage Day on September 16.

MEETING WRAP-UP

Final Public Comment - There was no final public comment.

Next Month's Agenda Topic Suggestions - Karasko stated next month there will be a presentation on Urban Canvas Modeler, the Colorado Road Usage Charge Pilot Project and an action item for the September TIP Amendment. Averill suggested a presentation on the Bustang Outrider program.

Meeting adjourned at 2:52 p.m.

Meeting minutes submitted by:

Alex Gordon, NFRMPO Staff

The next meeting will be held at 1:00 p.m. on Wednesday, September 20, 2017 at the Windsor Recreation Center, Pine Room.

AGENDA ITEM SUMMARY (AIS)

North Front Range Transportation & Air Quality Technical Advisory Committee (TAC)



Meeting Date	Agenda Item	Submitted By			
September 20, 2017	September 2017 TIP Amendment	Medora Kealy			
Objective / Request Action					
To recommend Planning Council approval of the September 2017 TIP Amendment to the FY2018-FY2021 TIP.		<input type="checkbox"/> Report <input type="checkbox"/> Work Session <input type="checkbox"/> Discussion <input checked="" type="checkbox"/> Action			
Key Points					
<p>NFRMPO staff received six Amendment requests, including five project additions and one project revision for the September 2017 TIP Amendment cycle.</p> <p>CDOT R4 is requesting a revision to one project:</p> <ul style="list-style-type: none"> Revising the <i>North I-25: Design Build</i> project by replacing \$30M federal FR8 funds with \$30M state 7PX/228 (Senate Bill 228) funds, removing all \$3M federal RPP funds, reducing federal Surface Treatment funds by \$3,097k in FY20, and adding \$7,347k federal Permanent Water Quality funds. Although all RPP funds are being removed from this project (programmed in FY21), \$13M RPP funds for FY16 through FY20 were and are programmed in the <i>NFR I-25: Post EIS Design & ROW</i> project. CDOT will submit a modification request to program the \$3M FY21 RPP funds at a later date. <p>CDOT R4 is requesting the addition of one project:</p> <ul style="list-style-type: none"> Adding the <i>Region 4 ADA Pool</i> with \$8M State Highway Fund dollars for curb ramp upgrades. <p>Fort Collins is requesting the addition of four projects included in the 2017 Program of Projects (POP), approved by Planning Council at their September 7 meeting:</p> <ul style="list-style-type: none"> Adding the <i>Ridership Survey in Support of Operating Plan Update</i> project funded with \$40k FTA \$5307 funds and \$10k local funds. Adding the <i>E-Faring Project</i> funded with \$51k FTA \$5339 funds and \$13k local funds. Adding the <i>Pavers at MAX Stations</i> project with \$28k federal FTA \$5339 funds and \$7k local funds. Adding the <i>Facility Maintenance Concrete Repair at Transport Facilities</i> project funded with \$96k federal FTA \$5339 funds and \$24k local funds. 					
Table: Amendment Funding in Thousands					
Funding Source	Currently Programmed	Amendment Additions	Amendment Reductions	Amendment Net Change	Amendment Total
Federal	\$67,477	\$7,562	-\$36,097	-\$28,535	\$38,942
State	\$119,000	\$38,000	-	\$38,000	\$157,000
Local	\$94,625	\$54	-	\$54	\$94,679
Total	\$281,102	\$45,616	-\$36,097	\$9,519	\$290,621
Committee Discussion			This is the first time TAC will see the September 2017 TIP Amendment.		

Supporting Information

The 30-day Public Comment period for the September 2017 TIP Amendment begins on September 13 and concludes on October 12.

An environmental justice analysis is not required for the September 2017 TIP Amendment. The five project additions are not location-specific, and the project revision does not impact the scope of the project.

Funding Types and Uses

7PX/228 funds, available due to Senate Bill 228, are used to implement the Strategic Transportation Project Investment Program, with no more than 90 percent for highway purposes and no less than 10 percent for transit purposes or transit capital improvements.

The Permanent Water Quality program run by CDOT provides federal funds for stormwater projects that benefit water quality and treat runoff from CDOT's municipal separate storm sewer system (MS4) area.

The ADA Pool provides \$85M statewide between FY17 and FY21 for curb ramp projects on the state highway system.

FTA \$5307, the Urbanized Area Formula Funding Program, provides federal funds to urbanized areas and to Governors for transit capital and operating assistance in urbanized areas and for transportation-related planning.

FTA \$5339, the Bus and Bus Facilities Program, provides federal funds to states and direct recipients to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities including technological changes or innovations to modify low or no emission vehicles or facilities.

Advantages

TAC recommending approval by the NFRMPO Planning Council will ensure available funds are assigned to projects in a timely manner and the FY2018-2021 TIP remains fiscally constrained.

Disadvantages

None noted.

Analysis /Recommendation

Staff supports adding five projects and revising one project in the FY2018-2021 TIP.

Attachments

- September 2017 Policy Amendment Form

FY 2018 - FY 2021 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
North Front Range Transportation & Air Quality Planning Council
Policy Amendment #2017-A9

Submitted to: CDOT

Prepared by: Medora Kealy

DATE: 9/13/2017

Project Type	NFR TIP Number	Project Title/Location	Project Sponsor	Improvement Type	Source of Funds	Funding Type/ Program	FY 16-17 TIP TOTAL	FY 18	FY 19	FY 20	FY 21	FY 18-21 TIP TOTAL	FY 22	FY 23
Strategic														
PREVIOUS ENTRY SSP 4428	2017-032	North I-25: Design Build MP 253.7-270	CDOT Region 4	Highway Added Capacity Modify & Reconstruct	Federal	FR8	0	15,000	-	15,000	-	30,000	-	-
					Federal	TIGER	0	5,000	5,000	5,000	-	15,000	-	-
					Federal	ITS/RoadX	0	2,000	-	-	-	2,000	-	-
					Federal	RAMP/NHPP	3,167	250	-	-	-	250	-	-
					Federal	RAMP/NHPP	0	7,227	-	-	-	7,227	-	-
					Federal	RPP	0	-	-	-	3,000	3,000	-	-
					Federal	Surface Treatment/NHPP	0	-	-	10,000	-	10,000	-	-
					State	7PX/228	0	105,000	-	-	-	105,000	-	-
					State	7PX/228	0	5,000	-	-	-	5,000	-	-
					State	Strategic Projects - Transit	0	5,000	-	-	-	5,000	-	-
					State	FASTER Safety	0	-	-	4,000	-	4,000	-	-
					Local	Private	0	-	-	18,000	32,000	50,000	-	-
					Local	Local	4,875	14,000	12,000	18,500	-	44,500	-	-
					Local	Local	0	-	-	125	-	125	-	-
					Total		8,042	158,477	17,000	70,625	35,000	281,102	-	-

Project Description: One new express lane in each direction, replacement/rehabilitation of key bridges, ITS, transit & safety components, replacement of portions of existing facility, and interchange improvements

REVISED ENTRY SSP4428	2017-032	North I-25: Design Build MP 253.7-270	CDOT Region 4	Highway Added Capacity Modify & Reconstruct	Federal	FR8	0	-	-	-	-	0	-	-
					Federal	TIGER	0	5,000	5,000	5,000	-	15,000	-	-
					Federal	ITS/RoadX	0	2,000	-	-	-	2,000	-	-
					Federal	RAMP/NHPP	3,167	250	-	-	-	250	-	-
					Federal	RAMP/NHPP	0	7,227	-	-	-	7,227	-	-
					Federal	RPP	0	-	-	-	-	0	-	-
					Federal	Surface Treatment/NHPP	0	-	-	6,903	-	6,903	-	-
					Federal	Permanent Water Quality	0	2,000	2,000	3,347	-	7,347	-	-
					State	7PX/228	0	135,000	-	-	-	135,000	-	-
					State	7PX/228	0	5,000	-	-	-	5,000	-	-
					State	Strategic Projects - Transit	0	5,000	-	-	-	5,000	-	-
					State	FASTER Safety	0	-	-	4,000	-	4,000	-	-
					Local	Private	0	-	-	18,000	32,000	50,000	-	-
					Local	Local	4,875	14,000	12,000	18,500	-	44,500	-	-
					Local	Local	0	-	-	125	-	125	-	-
					Total		8,042	175,477	19,000	55,875	32,000	282,352	-	-

Project Description: One new express lane in each direction, replacement/rehabilitation of key bridges, ITS, transit & safety components, replacement of portions of existing facility, and interchange improvements

Reason: Removing all federal FR8 funds (\$15M in FY18 and \$15M in FY20), removing all federal RPP funds (\$3M in FY21), reducing federal Surface Treatment funds by \$3,097k in FY20, adding \$30M state 7PX/228 funds in FY18, and adding \$7,347k federal Permanent Water Quality funds (\$2M in FY18, \$2M in FY19, and \$3,347k in FY20).

Region 4 ADA Pool

NEW ENTRY SR47021	P-23	Region 4 ADA Pool	CDOT R4	Curb Ramp Upgrades	State	State Highway Fund	4,000	2,000	2,000	2,000	2,000	8,000	-	-
					Local		0	0	0	0	0	0	-	-
					Total		4,000	2,000	2,000	2,000	2,000	8,000	-	-

Project Description: Region 4 Curb ramp upgrades to ADA compliance.

Reason: Add funding to new Region 4 Pool. North Front Range projects will be added to the pool as they are awarded funding under this pool.

FTA 5307 - Urbanized Area Formula Program

NEW ENTRY	2018-18	Ridership Survey in Support of Operating Plan Update	Fort Collins	Planning	Federal	FTA5307	0	40	0	0	0	40	-	-
					Local		0	10	0	0	0	10	-	-
					Total		0	50	0	0	0	50	-	-

Project Description: Full system ridership survey to identify ridership demographics, passenger trip types, and origin/destination data.

Reason: New project

FY 2018 - FY 2021 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)
North Front Range Transportation & Air Quality Planning Council
Policy Amendment #2017-A9

Submitted to: CDOT

Prepared by: Medora Kealy

DATE: 9/13/2017

Project Type	NFR TIP Number	Project Title/Location	Project Sponsor	Improvement Type	Source of Funds	Funding Type/ Program	FY 16-17 TIP TOTAL	FY 18	FY 19	FY 20	FY 21	FY 18-21 TIP TOTAL	FY 22	FY 23
FTA 5339 - Bus and Bus Facilities Program														
NEW ENTRY	2018-19	E-Faring Project	Fort Collins	Capital Purchase	Federal	FTA5339	0	51	0	0	0	51	-	-
					Local		0	13	0	0	0	13	-	-
					Total		0	64	0	0	0	64	-	-
Project Description:		Design and implementation of electronic faring system for the Tranfort Fixed Route system.												
Reason:		New project												
NEW ENTRY	2018-20	Pavers at MAX Stations	Fort Collins	Capital Purchase	Federal	FTA5339	0	28	0	0	0	28	-	-
					Local		0	7	0	0	0	7	-	-
					Total		0	35	0	0	0	35	-	-
Project Description:		Replacement of damaged pavers at MAX stations.												
Reason:		New project												
NEW ENTRY	2018-21	Facility Maintenance - Concrete Repair at Transfort Facilities	Fort Collins	Capital Maintenance	Federal	FTA5339	0	96	0	0	0	96	-	-
					Local		0	24	0	0	0	24	-	-
					Total		0	120	0	0	0	120	-	-
Project Description:		Repair of damaged/worn concrete at Transfort facilities.												
Reason:		New project												

AGENDA ITEM SUMMARY (AIS)

North Front Range Transportation & Air Quality Technical Advisory Committee (TAC)



Meeting Date	Agenda Item	Submitted By
September 20, 2017	Weld County CNG Station Equipment Project Scope Change	Jim Flesher
Objective/Request Action		
To discuss and recommend action to the Planning Council for a scope change to Weld County CMAQ funds for CNG station expansion and alternative fuel vehicles		<input type="checkbox"/> Report <input type="checkbox"/> Work Session <input type="checkbox"/> Discussion <input checked="" type="checkbox"/> Action
Key Points		
<p>Weld County's original application included \$780,000 (\$645,762 federal) for expansion of the County's CNG station at 1113 H Street, Greeley, and \$5,310,000 for alternative fuel vehicles. Due largely to the project requiring a new high-pressure gas line to be installed by Atmos Energy to accommodate the heavy-duty fleet trucks, the low bid received was \$2,215,755. Therefore, Weld County is requesting a change of scope to move funds from the alternative fuel vehicles to allow the CNG station expansion to move forward.</p> <p>Even with reallocating the funding, the remainder of the award will still be used to purchase alternative fuel vehicles.</p>		
Committee Discussion		
This is the first time TAC has seen this item.		
Supporting Information		
<p>Total revised award through FY19 = \$6,025,257 (\$4,988,310 federal). Less \$2,215,755 for station expansion = \$3,809,502 for alternative fuel vehicles (\$3,153,887 federal). FY17 Funding: \$1,648,207 (includes \$228,288 already spent on alternative fuel vehicles) FY18 Funding: \$1,072,516 FY19 Funding: \$1,088,779</p>		
Advantages		
Approval of the scope change would allow Weld County to move forward with the expansion of the County's CNG station in a timely manner and continue purchasing alternative fuel vehicles. This will help the County achieve the goals set forth in the Smart Energy Plan and potentially improve air quality in the NFRMPO region.		
Disadvantages		
Without a scope change, Weld County would not be able to fully expand the County's CNG station in Greeley.		
Analysis/Recommendation		
Weld County staff requests TAC recommend Planning Council approval for the scope change.		
Attachments		
2014 Weld County CMAQ Application		

Rev. 9/17/2014

CMAQ Project Application Narrative



Applicant Information				
Project Sponsor Agency::	Agency Contact:	Telephone:	Email Address:	
Weld County	Janet Lundquist	970-304-6496	jlundquist@weldgov.com	
Project Name (160 character limit):		City:	State:	Zip Code:
Weld County Natural Gas Equipment (FY16-19)		Greeley	CO	80632
Additional Financial Sponsors (if applicable):				
<p>Please provide a short narrative describing the project so the scoring committee can determine if the Performance Measure selected is appropriate.</p> <p>Weld County will be converting light, medium, and heavy duty vehicles. The heavy duty vehicles will be dedicated natural gas vehicles. These newly converted vehicles will provide a dominant transportation function. Other vehicles that will be converted that are not considered to have a dominant transportation function will be converted with the incremental cost difference for the vehicle. In order to support the increased NGV fleet, the County will need to expand their existing fuel site in order to accommodate additional natural gas fleet vehicles.</p>				

CMAQ Project Application



Applicant Information

Project Sponsor Agency: Weld County	Agency Contact: Janet Lundquist	Telephone: 970-304-6496	Email Address: jlundquist@weldgov.com
Mailing Address: P.O Box 758		City: Greeley	State: CO
			Zip Code: 80632
Additional Financial Sponsors (if applicable):			

Project Description

Project Name (160 character limit): Weld County Natural Gas Equipment (FY16-19)	Jurisdiction(s): Weld County
Project Limits (to and from): N/A	Project Length (miles): N/A

Is this part of an ongoing project? If so, please describe.
Yes, this project is a continuation of the Weld County Smart Energy Plan

Project Description:

Weld County will be converting light, medium, and heavy duty vehicles. The heavy duty vehicles will be dedicated natural gas vehicles. These newly converted vehicles will provide a dominant transportation function. Other vehicles that will be converted that are not considered to have a dominant transportation function will be converted with the incremental cost difference for the vehicle. In order to support the increased NGV fleet, the County will need to expand their existing fuel site in order to accommodate additional natural gas fleet vehicles.

Project Planning

What 2040 Regionally Significant Corridor is the project on? (Please include corridor number and description)
N/A

How does the project fit with the 2035 NFRMPO Regional Transportation Plan Corridor Vision?
Converting vehicles to Natural Gas will create an air quality benefit for the North Front Range Region. This project is promoting an environmentally responsible transportation enhancement or improvement.

2040 Goals, Objectives, Performance Measures, and Targets

MPO Goal(s)	Performance Measure(s)	Project Impact
Economic Development/ Quality of Life	Air quality conformity tests program	Creates an air quality benefit for the NFR.

How does the project support the MPO Goal(s)? (Please attach all relevant data)

This project will promote the conversion of vehicles from traditional fuels like gasoline and diesel to an alternative fuel natural gas. This is in conformance with MAP-21 which promotes improving air quality and relieving traffic congestion by encourages diesel engine retrofits and other cost-effective emission reduction activities.

Funding			
	Source	Amount	Date Available
Federal Request	CMAQ	1,522,500	2016
	CMAQ	1,522,500	2017
	CMAQ	1,522,500	2018
	CMAQ	1,522,500	2019
Local Match			
Local Over Match			
Other Funding			
State Funding	CDOT		
Total Project Cost			
		6,090,000	
Total Secured Funding			
		894,198	
Total STP-Metro Funding Request			
		5,195,802	
Eligibility for CMAQ Funding			
Project must provide air emissions benefit (describe briefly):			
Natural Gas is the cleanest commercially available fuel for transportation. It reduces Nitrogen Oxides (Nox) up to 60%, Non-Methane Organic Gas (NMOG) up to 87%, Carbon Monoxide (CO) up to 97%, Carbon Dioxide (CO2) up to 25%, and eliminates particulate matter. By converting fleet vehicles and building natural gas stations this project is creating a major air quality benefit.			
Natural Gas Equipment Purchase			
Air Quality Benefits			
<i>MPO staff will work with individual applicants to determine the appropriate formulas to calculate Air Quality.</i>			
Short-Term (Year 1) Air Quality Benefit:			
See Worksheets			
Long-Term (Years 2 - 5) Air Quality Benefit:			
See Worksheets			
Cost Benefit (Total Reduced emissions/Federal Cost):			
See Worksheets			
Anticipated Project Milestone Dates			
			Month-Year (or N/A)
Completion of CDOT/Sponsor IGA (Intergovernmental Agreement) (Minimum of 6-8 months)			Jul-15
FIR (Field Inspection Review) (Minimum of 3-12 months)			N/A
FOR (Final Office Review) (Minimum of 3 months)			N/A
Utility Clearance (Minimum of 1 month)			N/A
Right-of-Way Clearance (Minimum of 12-18 months if acquiring)			N/A
Environmental Clearance (Minimum of 6-8 months)			N/A
Advertisement Date (Minimum of 3 months)			Oct-15

Detailed Project Estimate

Project Name: Weld County Natural Gas Equipment

Fleet Owner: Weld County Government

Item		Costs
<i>Total Cost for Equipment Purchase</i>		
10 Class 7 Vehicles	\$	2,300,000.00
10 Class 8 Vehicles	\$	2,300,000.00
5 Class 5 Vehicles	\$	200,000.00
5 Class 4 Vehicles	\$	200,000.00
2 Class 1 Vehicles	\$	70,000.00
3 Class 2 Vehicles	\$	120,000.00
3 Class 3 Vehicles	\$	120,000.00
Subtotal Equipment Purchase:	\$	5,310,000.00
Weld County Station Equipment	\$	780,000.00
<i>Total Project Costs</i>		
Total:	\$	6,090,000.00

Certification of Cost Estimate (Project costs estimates must be certified by the Natural Gas Program Leader.)

I, Elizabeth Relford,

(Name - Print)

certify that I have prepared/approved the cost estimate for this project.

Elizabeth Relford

Signature

11/10/14

Date

Project Name: CNG Fueling Facility Expansion
 Submitter: Janet Lundquist

Cost Effectiveness Calculation for Multiple Worksheet Projects (252 Day per Year)

Line No.	Description of Data Item/Formula	VOC	NOx
1	Short- Term Benefit (1 year)	-13,887.72	-13,887.72
1	Long-Term Benefit (2-5 years)	-55,550.88	-55,550.88
2	Total Federal Request	\$645,762.00	\$645,762.00
3	Emissions in KG/day (sum of all applicable worksheets)	-55.11	-55.11
4	Conversion to tons per day (L3*0.0011)	-0.060621	-0.060621
5	Emissions reduction over 5 years of the project (Kg/5 years) =L1*L3*252	-69438.6	-69438.6
6	Emissions reduction over 5 years of the project (Tons/5 years) = L1*L4*252	-76.38246	-76.38246
7	Cost per ton over 5 years (L2/L6)	\$8,454.32	\$8,454.32
8	Cost per Kg over 5 years (L2/L5)	\$9.30	\$9.30

Comments:

Project Name: CNG Vehicle Replacement
 Submitter: Janet Lundquist

Cost Effectiveness Calculation for Multiple Worksheet Projects (252 Day per Year)

Line No.	Description of Data Item/Formula	VOC	NOx
1	Short- Term Benefit (1 year)	-8721.72	-8721.72
1	Long-Term Benefit (2-5 years)	-34886.88	-34886.88
2	Total Federal Request	\$4,550,040.00	\$4,550,040.00
3	Emissions in KG/day (sum of all applicable worksheets)	-34.61	-34.61
4	Conversion to tons per day (L3*0.0011)	-0.038071	-0.038071
5	Emissions reduction over 5 years of the project (Kg/5 years) =L1*L3*252	-43608.6	-43608.6
6	Emissions reduction over 5 years of the project (Tons/5 years) = L1*L4*252	-47.96946	-47.96946
7	Cost per ton over 5 years (L2/L6)	\$94,852.85	\$94,852.85
8	Cost per Kg over 5 years (L2/L5)	\$104.34	\$104.34

Comments: