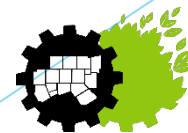


Water Resources Council (WRC): Special Session on the Dallas-Fort Worth Air Quality Improvement Plan

February 7, 2024



North Central Texas Council of Governments
Environment
& Development

www.nctcog.org/WaterResources

Procedures for Online Meeting

- Today's presentation will be posted on the WRC website at:

<https://www.nctcog.org/envir/committees/water-resources-council>

- Roll call today in lieu of sign-in sheet.
- Please keep your microphone on mute when not speaking.
- Please use the “raise hand” feature to ask a question or provide a comment. When called on, state your name and entity you are representing.
- Approval of action items will still be done by a voice vote. Please only vote if you are a member of the WRC.

Water Resources Council

1. Welcome and Introductions

- WRC attendance by roll call
- Welcome guests
- Thank you all for attending!

Presentation

2. Water, Wastewater, and Solid Waste Measures to add to the Dallas-Fort Worth Air Quality Improvement Plan

NCTCOG staff will present on Water, Wastewater, and Solid Waste measures to add to the Dallas-Fort Worth Air Quality Improvement Plan. This plan is being developed with Climate Pollution Reduction Planning Grant funds.

Priority Climate Action Plan

Outline for Plan available in **Microsoft Teams Channel**

Would like to include the following as an appendix:

- List of project scopes submitted by local governments
- List of local government/sustainability/climate/environmental/long-term plans that helped informed project scopes

Plan Element	Due March 1, 2024
Greenhouse Gas (GHG) Inventory	Required ✓
GHG Emissions Projects	Not Required ✗
GHG Reduction Targets	Not Required ✗
Quantified GHG Reduction Measures	Required (priority measures only) ✓
Benefits Analysis	Encouraged ✓
Low Income/Disadvantaged Communities Benefits Analysis	Required ✓
Review of Authority to Implement	Required ✓
Identify other Available Funding	Encouraged ✓
Workforce Planning Analysis	Encouraged ✗
Next Steps/Future Budget Needs	Not Required ✓



Quantification of Measures

Air Quality Benefits in Plan will include

- Annual Greenhouse Gas Reduction and Criteria Pollutants per Unit (*i.e. each mile of trail, each vehicle/equipment replacement, each grade separation*)
- Expected Greenhouse Gas Reduction Across Useful Life of Project

Calculations for Plan Based On:

- Existing Projects
- “Typical” Project (Use Averages and/or Ranges)
- Actual Projects Only When Unique

Conservative Calculations for Plan

Calculations used in Plan do not have to be the same calculations used in Implementation Grants application



CPRG Implementation Grants

Program Structure Incentivizes Collaborative Applications

- EPA will not award multiple grants for the same initiative in the same area

Proposed Approach

- Balance High Emissions Reductions with Regional Priorities per Local Government Interests and Surveys
- Balance Emissions Reductions between GHGs (EPA priority) and Criteria Pollutants (Regional Concern and Part of Low-Income/Disadvantaged Community Benefit Analysis)
- **Avoid Applying to the Same Tier as the State's Application** (www.tceq.texas.gov/agency/climate-pollution-reduction-grants)

Tier	Grant Ranges	Potential Transportation Allocation if Proportional to GHG Emissions Inventory	Anticipated Number of Grants to be Awarded
Tier A	\$200M - \$500M	\$86M - \$215M	4-10
Tier B	\$100M - \$199M	\$43M - \$85M	6-13
Tier C	\$50M - \$99M	\$22M - \$42M	6-12
Tier D	\$10M - \$49M	\$4.3M - \$21M	6-30
Tier E	\$2M - \$9.9M	\$1M - \$4.2M	10-50



Financial Mechanics for Implementation Grants

Utilize EPA Standard Advance Payment for Cash Flow ✓

- Confirmed option available for CPRG
- Anticipate 5-day cash on hand limitation

Require Cash Advance to NCTCOG to Enable Cash Flow

- Demonstrates partnership and commitment
- Enables larger grant request

Require Cost Share

- Not required, but increases competitiveness; Increase AQ benefit per federal dollar
- May not be feasible for all strategies
- May be challenge to ensure fair and equitable participation

Limit Funding Request to Smaller Grant Amount








Schedule

Milestone	Date
Regional Transportation Council Action on Transportation Measures for Plan	February 8, 2024
Executive Board Action on Plan	February 22, 2024
STTC Action on Transportation Elements for the Plan and Grant Application	February 23, 2024
Plan Due to EPA	March 1, 2024
Regional Transportation Council Action on Grant Application	March 14, 2024
Executive Board Action on Implementation Grant Application	March 28, 2024
Grant Applications Due to EPA	April 1, 2024
Anticipated Award of CPRG Grant	October 2024
Comprehensive Climate Action Plan Due to EPA	June 17, 2025










Proposed Water/Wastewater Measures – Plan Only

- ▶ Improve Effluent Reuse
- ▶ Improve Biosolids Management 
- ▶ Increase Water System Energy Efficiency  
- ▶ Increase Water Conservation 
- ▶ Explore Aquifer Storage & Recovery 


 *Direct Climate Change Benefits*
 *Direct Benefits for Nonattainment Issues*

 *Few Other Funding Options*
Strong Public/Stakeholder Input

Proposed Water/Wastewater Measures – Grants

- ▶ Implement iSWM™, LID, GSI, and other forms of Nature-Based Solutions  
- ▶ Update Stormwater, Wastewater Conveyance Infrastructure 
- ▶ Improve Treatment Processes 
- ▶ Address On-site Sanitary Sewage Systems 
- ▶ Work Force Development 
- ▶ Water Conservation 

 *Direct Climate Change Benefits*
 *Direct Benefits for Nonattainment Issues*

 *Few Other Funding Options*
 *Strong Public/Stakeholder Input*

Proposed Waste Management Measures – Plan Only


- ▶ Improve Regional Landfill Capacity   \$ 
- ▶ Update Policy Around Diverting Construction & Demolition Debris   \$
- ▶ Expand Regional Compost Facility Capacity for Organics   \$ 

 *Direct Climate Change Benefits*
 *Direct Benefits for Nonattainment Issues*

\$ *Few Other Funding Options*
 *Strong Public/Stakeholder Input*


Proposed Waste Management Measures – Grants

- ▶ Expand Local Compost Capabilities   
- ▶ Expand Regional Construction & Demolition Debris Capacity   
- ▶ Divert Organic Waste to Energy   
- ▶ Upgrade Recycling & Transfer Facilities    
- ▶ Improve Waste Collection   










 *Direct Climate Change Benefits*


 *Direct Benefits for Nonattainment Issues*

 *Few Other Funding Options*

 *Strong Public/Stakeholder Input*

Proposed "AGFOLU" Measures – Plan Only


- ▶ Green Space & Forestry Planning   
- ▶ Code & Zoning Updates  
- ▶ Neighborhood Agriculture Practices    

 *Direct Climate Change Benefits*












 *Direct Benefits for Nonattainment Issues*


AGFOLU = Agriculture, Forestry and Land Use

 *Few Other Funding Options*

 *Strong Public/Stakeholder Input*

Proposed "AGFOLU" Measures – Grants

- ▶ Expand Green Space (Riparian, Public ROW, Historic Cemeteries, and Park Space, Reserves, etc)   
- ▶ Urban Heat Island Mitigation 
- ▶ Implement Anaerobic Digester(s) to improve Manure Management   
- ▶ Rebate Program to Support Electric Landscape Equipment Transition    

 *Direct Climate Change Benefits*

 *Direct Benefits for Nonattainment Issues*

 *Few Other Funding Options*

 *Strong Public/Stakeholder Input*

AGFOLU = Agriculture, Forestry and Land Use



Questions?

For More Information

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Action Item

3. Water, Wastewater, and Solid Waste Measures.

The WRC will be asked to provide feedback on the Water, Wastewater, and Solid Waste measures to be added to the Dallas-Fort Worth Air Quality Improvement Plan. The council will vote on whether to approve these measures before they are presented to NCTCOG's Executive Board at its February meeting.

Other Business and Roundtable Discussion

9. Next Meeting

Wednesday, April 3, 2024. In-person at NCTCOG

10:30 a.m. - 12:30 p.m.

[Add to Calendar](#)

- Meeting Dates for the remainder of 2024:
 - Wednesday, July 10, 2024- Online; [Add to Calendar](#)
 - Wednesday, October 9, 2024- NCTCOG; [Add to Calendar](#)

10. Adjournment

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