

Flood Management Task Force

May 27, 2022



Welcome and Introductions

- Thanks for attending!
- Please introduce yourself in the chat box.
- Please mute your line.
- Unmute your line when you would like to speak during question and discussion time.
 - We will also watch the chat box for questions

Meeting Summary Approval

- The link to the [February meeting summary](#) is available in the chat.
- Please inform Jai-W Hayes-Jackson of any corrections or additions, at jhayes-jackson@nctcog.org.

FY2022 Trinity River Common Vision Work Program

NFIP/CDC Model Consolidation Team

- The USACE funded two ongoing studies related to CDC model consolidation.
 - Updating the newly georeferenced CDC model with approved but not yet constructed CDC project geometries from 2017 onward and future flows.
 - Draft model is being coordinated with FEMA Region 6.
 - Working collaboratively to generate a consolidated CDC/NFIP model.
 - Will share draft model for FMTF review and feedback soon.
 - Working to generate CDC future flows for the FEMA detailed study on the East Fork Trinity and the Trinity mainstem to ultimately extend the consolidated CDC/NFIP model.
 - Met with NCTCOG and anticipating receiving updated future land use data to inform subsequent hydraulic modeling
 - Discussed strategy with NCTCOG and FEMA Region 6.
 - Anticipate sharing with FMTF for review in 2023.
- The USACE set aside \$485,000 from the Floodplain Management Services (FPMS) fund to complete these scopes. Internal coordination at the USACE is occurring and additional data and information will continue to be shared with FMTF members.



FY2022 Trinity River Common Vision Work Program

Upper Trinity Storm Shift Silver Jackets Study Update

Summary:

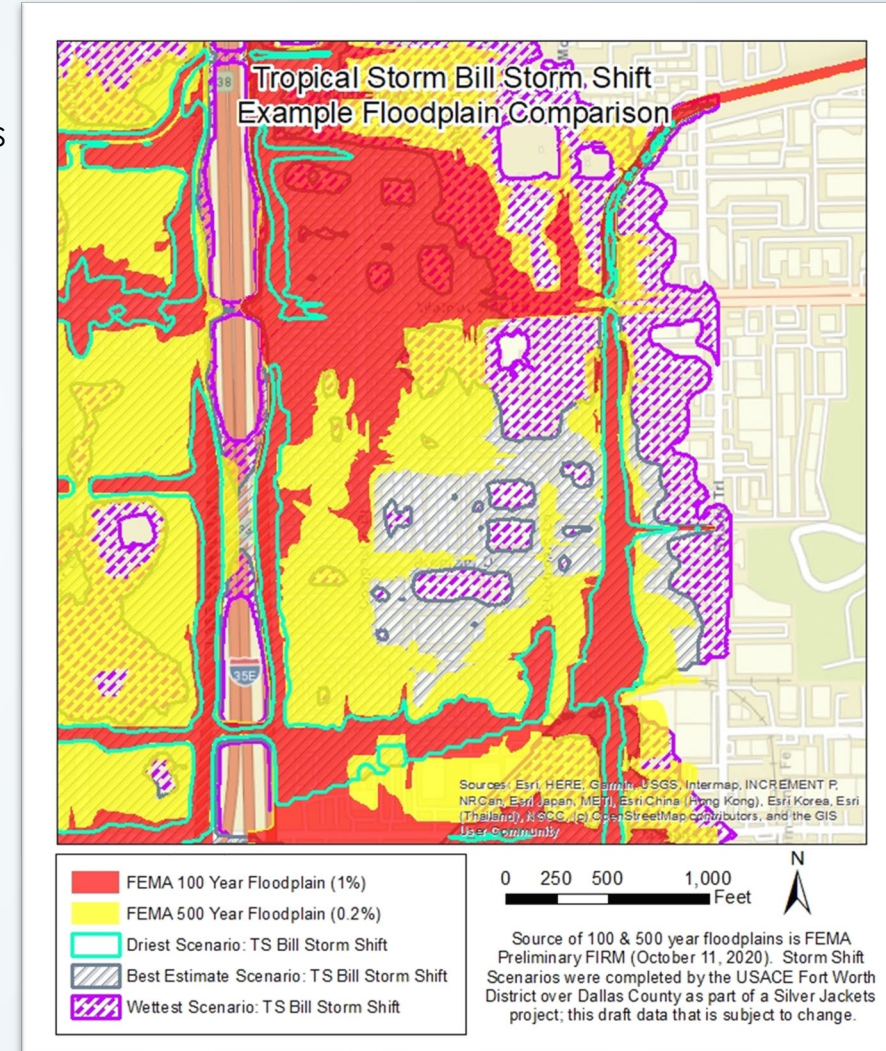
- \$100K Silver Jackets Project to shift storms that have occurred in/around North Texas and demonstrate their resulting floodplains and impacts if they had occurred in Dallas County
- Silver Jackets application identified NCTCOG, FEMA Region 6, Dallas County, and Texas General Land Office as partners & coordinating with additional stakeholders and partners
- Partnership and community collaboration is essential
 - Shared final study results with team members

Final Results:

- Final report, factsheet, and study data available on NCTCOG website:
 - <https://www.nctcog.org/envir/watershed-management/storm-shifting>
 - [Demo website and related resources](#)

Future Considerations:

- Presenting this concept and study at various professional events
- Texas Storm Study: USACE effort that will provide a list of storms (based on region) that can be used in storm shifting and to inform other projects
- Potential integration with planning & visualization tools such as CHARM (Community Health And Resource Management)
- To complete additional storm shifting studies, continue coordination, integrate with hydrology studies, and possible InFRM product
- Transportation and Stormwater Integration (TSI) project



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FY2022 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

- ▶ The NFIP-CDC Model Consolidation Team had meetings on March 25th, April 22nd and May 13th to continue work on the 5th edition update.
 - ▶ Completed final drafts of the following sections and forms: Section 1: Introduction and Section 2: CDC Regulation & Criteria, and the Application, Final Action, and Extension forms.
 - ▶ Currently finishing up these sections and forms: Section 3: The CDC Process, and Section 4: CDC Submittal Requirements, and the Verification form.
 - ▶ Completing revisions to the Appendices and FAQs
- ▶ The Team will meet next on June 24th to finish review of the Sections, Forms, and Appendices
- ▶ Upcoming meetings will discuss final compiled draft of manual
- ▶ Updates will be brought to the FMTF throughout the process and your feedback will be requested.



FY2022 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

- ▶ Main Updates and Revisions included in the new manual
 - ▶ Updating the CDC Process to include the NFIP-CDC Consolidated Model.
 - ▶ Inclusion of new Trinity River CDC website
 - ▶ CDC will be valid for two years instead of current five years and one year extensions given instead of three years
 - ▶ CDC Cost Recovery Fee renamed to CDC Application Fee
 - ▶ Addition of Model Maintenance Fee and CDC Verification Form following completion of project



FY2022 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

- Other Revisions:
 - **100-year flood** will now be called **CDC 1% annual chance exceedance flood** and **FEMA 1% annual chance flood**
 - **Grandfathered projects** will now be called **Specific Prior Development Projects** or **Legacy Projects**
 - **CDC Model** will become the **Consolidated NFIP-CDC Model** or just **NFIP-CDC Model**
 - **CDC Application Form** will consist of four parts: Submittal Checklist, Part 1- General Project Information, Part 2 – Hydrologic and Hydraulic Information, and Application Certification
- Approval from the FMTF members requested:
 - Team proposes limiting the number of extensions allowed before requiring a new CDC.
 - Recommend 3 1-year extensions which makes the maximum time a CDC can be valid at 5 years



FY2022 Trinity River Common Vision Work Program

CDC Manual Update to the 5th Edition

➤ Next Steps

- Team will complete final revisions by July
- Compile all sections into a draft of entire manual document
- Provide complete revised manual to FMTF before next quarterly meeting for review
- Address any comments and finalize the updated manual

➤ Additional News

- Team had a presentation at the ASFPM conference in May called “Continuing to Work Together to Simplify Permitting in the Trinity River Corridor” to provide updates on process since the 2020 presentation



FY2022 Trinity River Common Vision Work Program

OneRain Regional Flood Software

- Current Participants
 - City of Arlington
 - City of McKinney
 - City of Frisco
 - Tarrant Regional Water District
 - Dallas County Utility & Reclamation Dept
 - City of Grand Prairie
 - Town of Highland Park
 - City of Fort Worth (pending)
- You can find information on the contract through the North Texas SHARE website https://northtexasshare.org/SHARE_partners/onerain-flood-management/
- View the regional platform at www.FloodDataNTX.com



Regional Flood Warning Software Program

Cooperative regional solution to offer a cost-effective software package for all agencies to assist in flood warning and hydrology related challenges in the area.



Regional View

Understand approaching storms across the DFW area with access to the regional data set



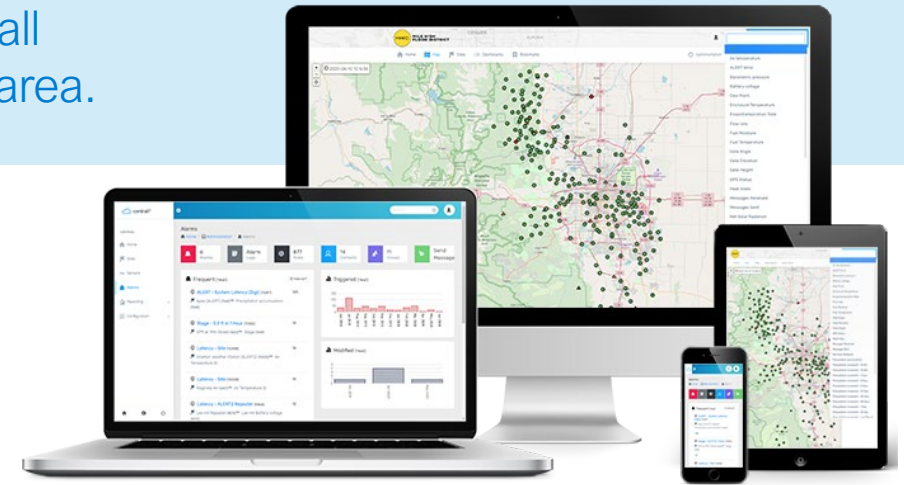
Impacts

Monitor the impacts on your agency with alarming, dashboards, and graphing of water and rainfall data



Branded Website

Provide your constituents with information through their own branded website that they can see and download data



FEATURES

- ✓ Collect, visualize & alarm on critical flood and rainfall data
- ✓ Use your own gauges or utilize the surrounding agencies' gauges
- ✓ See surrounding agency rainfall data
- ✓ View information on any device
- ✓ Easily share your data with the public
- ✓ Website branding to match your agency
- ✓ Flexible tiers and deployments for all needs

For more information:

Sue Swenor

sue@highsierraelectronics.com

North Texas
SHARE
Your Public Sector Solutions Center

OneRain
The Rainfall Company

FY2023 Trinity River Common Vision Draft Work Program Discussion

- A link to the Draft FY23 Work Program is available in the chat.
- Continuation of existing Ongoing Support Activities and Technical Activities
 - Participation in the Model Consolidation Committee will continue into early FY23
 - Updating the CDC Manual to the 5th Edition will continue into early FY23
- Annual Cost Shares
 - A 50% increase to Original Member cost shares has been proposed to match economic inflation since 2002.
 - Proposed future cost shares for East Fork and Denton Creek communities are shown.
- During the August meeting, the Flood Management Task Force will vote whether to recommend the Work Program for Steering Committee approval.

FY2022 Trinity River Common Vision Current FMTF Roster

► Current FY2022 Flood Management Task Force Participating Members

Arlington

Carrollton

Coppell

Dallas

Farmers Branch

Fort Worth

Grand Prairie

Irving

Lewisville

Seagoville

Dallas County

Denton County

Kaufman County

Tarrant County

Tarrant Regional Water District

Trinity River Authority

Amy Cannon, Sidney Kelly

Matthew Brennan, Jon Bunner

Kumar Gali

Kim Dewailly, Steve Parker, Tam Vu

Marc Bentley

Clair Davis, Lisa Biggs

Ryan Harrell, Noreen Housewright

Garry Fennell

Jeff Kelly

Mamata Bhandari

Lissa Shepard, Noe Villarreal

James Gossie

Kelley Chastain, Garrett Moore

Joseph Jackson

Zach Huff, Rachel Ickert, Craig Ottman

Glenn Clingenpeel, Webster Mangham

FY2023 Trinity River Common Vision Cost Share Discussion

Existing Cost Shares

COST SHARES FOR CURRENT COMMON VISION PARTICIPANTS		
Participant	Acres in Floodplain (FIRM)	Cost Share
Arlington	3,351	\$3,868.52
Carrollton	5,941	\$6,858.51
Coppell	1,490	\$1,720.11
Dallas	25,787	\$29,769.45
Farmers Branch	1,472	\$1,699.33
Fort Worth	16,261	\$18,772.29
Grand Prairie	8,498	\$9,810.40
Irving	7,757	\$8,954.96
Lewisville	3,072	\$3,546.43
Seagoville (<i>East Fork addition</i>)	2,776	\$3,192.00
Dallas County*		\$10,000.00
Tarrant County*		\$5,000.00
Kaufman County* (<i>East Fork addition</i>)		\$10,000.00 (as of FY23)
TRWD*		\$5,000.00
Subtotal Current Program		\$118,192.00

*“TRADITIONAL METHOD”
Approved by the
Trinity River Steering
Committee on July 19,
2001*

Area based on SPF 1995
Baseline to City Limits of
Dallas Analysis

\$25,000 of total is
provided to the USACE for
technical support services

*Counties and Special District cost share is not determined by floodplain acreage.

FY2022 Trinity River Common Vision Cost Share Discussion

Cost Shares Received as of May 20, 2022

Arlington	Irving
Coppell	Lewisville
Dallas	Seagoville
Fort Worth	Dallas County
Grand Prairie	Tarrant Regional Water District

Committed Total: **\$97,134.16 of \$125,692.00**

Percent of Budget Received: **77%**



Trinity Common Vision Program FY23 Proposed Cost Share Increase Scenarios

DRAFT

	Original Amount from 2001 - 2021	50%* Increase + New Contributions
Arlington	\$3,868.52	\$5,802.78
Carrollton	\$6,858.51	\$10,287.77
Coppell	\$1,720.11	\$2,580.17
Dallas	\$29,769.45	\$44,654.18
Farmers Branch	\$1,699.33	\$2,549.00
Fort Worth	\$18,772.29	\$28,158.44
Grand Prairie	\$9,810.40	\$14,715.60
Irving	\$8,954.96	\$13,432.44
Lewisville	\$3,546.43	\$5,319.65
Dallas County	\$5,000.00	\$10,000.00
Tarrant County	\$5,000.00	\$7,500.00
TRWD	\$5,000.00	\$7,500.00
Denton County		??
TRA		??

Total Program	\$100,000.00	\$152,500.00
Less USACE Contribution	\$25,000.00	\$25,000.00
Total NCTCOG	\$75,000.00	\$127,500.00

*<https://www.officialdata.org/us/inflation/2001?amount=1> --> Cumulative inflation from 2001 to 2021 was 52.00

FY2023 Trinity River Common Vision Draft Work Program

Proposal for Increasing Cost Shares for Original Program Members

NEW COST SHARES FOR CURRENT COMMON VISION PARTICIPANTS		
Participant	Acres in Floodplain (FIRM)	Cost Share
Arlington	3,351	\$5,802.78
Carrollton	5,941	\$10,287.77
Coppell	1,490	\$2,580.17
Dallas	25,787	\$44,654.18
Farmers Branch	1,472	\$2,549.00
Fort Worth	16,261	\$28,158.44
Grand Prairie	8,498	\$14,715.60
Irving	7,757	\$13,432.44
Lewisville	3,072	\$5,319.65
Seagoville (<i>East Fork addition</i>)	2,776	\$3,192.00
Dallas County*		\$10,000.00
Denton County*		\$5,000.00
Kaufman County* (<i>East Fork addition</i>)		\$10,000.00
Tarrant County*		\$7,500.00
TRWD*		\$7,500.00
TRA*		N/A
Subtotal Current Program		\$170,692.03

- ▶ Proposed Cost Shares will be presented to the Common Vision Steering Committee for the FY23 Work Program.
- ▶ A review of supporting materials (i.e. floodplain acreage) may be desired by some communities for verification/validation.

Other Program Related Efforts

Efforts Toward Integrated Transportation & Stormwater Planning

➤ What is the TSI project?

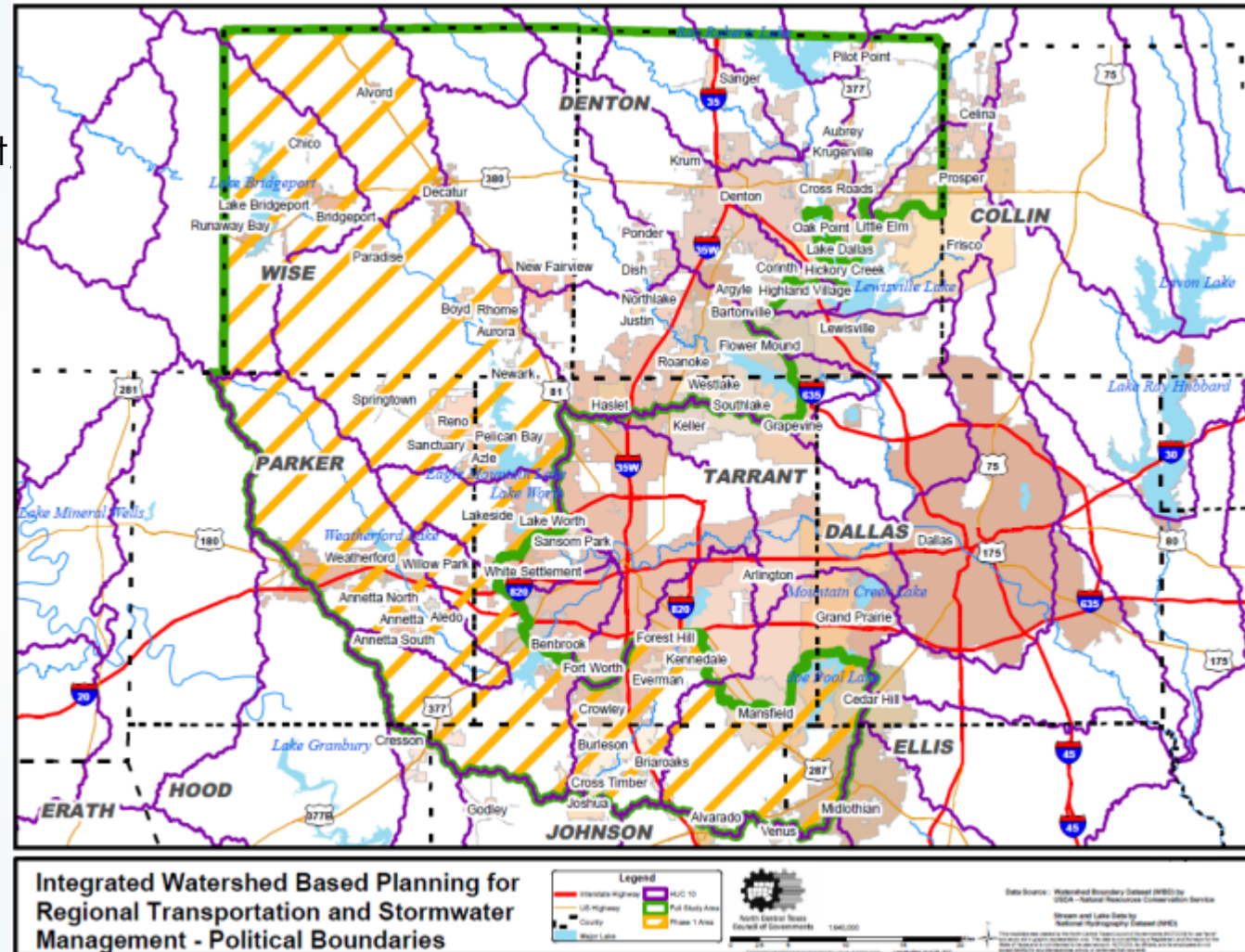
- Integration of regional stormwater management, urban development, transportation, and environmental planning: a collaborative effort with regional Transportation planners
- Proactive Prevention vs. Response

➤ Project Kickoff (Late Summer)

- Project lead and partner organization meetings ongoing to discuss kickoff
- NCTCOG is preparing community kickoff meetings for August 2022 in four subareas of the overall study area.

Project Website:

<https://www.nctcog.org/envir/watershed-management/upper-trinity-river-transportation-and-stormwater>



Phase One Project Area hatched in yellow - TWDB Commitment No. G1001314, North Central Texas COG Grant Agreement coverage area (remaining balance of Full Study Area to be undertaken with alternate funding sources/TxGLO provided to USACE)

Other Program Related Efforts

North Texas Floodplain Administrators/CRS Users Group

► Community Rating System Users Group

The last CRS Users Group Meeting was held March 22, 2022.

The next CRS Users Group/Elected Officials Meeting will be held this summer.

For questions about CRS Users Group, or to suggest future meeting topics, please contact Erin Blackman at Eblackman@nctcog.org or (817) 608-2360.

Keep up with NCTCOG E&D meetings and events here:

<https://nctcog.org/envir/events>

Other Program Related Efforts

Cooperative Technical Partnership (CTP) Program

► FY19 Flood Risk Projects

- **Harriet Creek (Denton County, 7 miles)** – Hydrologic and Hydraulic analysis is complete. Final mapping is in progress; TSDN is being prepared. **74% Complete**
- **Waxahachie Creek (Ellis County, Midlothian, Waxahachie; 19 miles)** - Hydrologic and Hydraulic analysis is complete. Final mapping is in progress; TSDN is being prepared. **77% Complete**

► FY20 Flood Risk and Outreach Projects

- **Catherine Branch (Denton County)** – Hydrologic and Hydraulic analysis QA/C underway. Preliminary mapping is in progress. **47% Complete**
- *In Progress:* Transportation and Stormwater Integrated Project Engagement – Outreach for community participation underway; community CHARM workshop to be held summer 2022.

► FY21 Flood Risk Projects

- Hog Branch (Denton County), East Fork (Lowery Crossing and McKinney), and Upper West Fork Discovery ILAs are underway.
- COMSCHARM Outreach Workshops (communities interesting in participating, in a work, please contact NCTCOG).



Other Program Related Efforts

integrated Stormwater Management (iSWM)

Integrated Stormwater Management (iSWM) Subcommittee

- Task Order 6 Update: The iSWM Subcommittee approved the following work scope for Task Order #6 :
 - Task 2 – Reorganize/Re-evaluate Site Development Controls (completed)
 - Task 3 – BMP Design and Maintenance Training (completed)
 - Task 4 – Technical Manual Updates (completed)
 - Task 5 – Guidance on Forebay Design (completed)
 - Task 6 – Hydrologic Mimicry Research (completed)
 - Task 7 – Technical Assistance for Case Studies – on hold for Outcome 17 assistance
 - Task 8 – Economic Benefits of iSWM Research (completed)
- The subcommittee discussed Outcome 17 (Water Quality) on the iSWM Tiered Implementation Form and created a volunteer group to review new language to clarify the documentation. The volunteer group met and requested that Halff Associates, as the consultant, come up with some language for the group to review. The proposed language is being reviewed by the volunteer group prior to bringing it forward to the subcommittee at their July meeting.
- Next Meeting: July 13, 2022 at 1:30 pm via Microsoft Teams



Other Program Related Efforts

Trinity River National Water Trail Task Force



- The Task Force met on May 16, 2022.
 - [View meeting materials here.](#)
 - Discussed launch sites under development, trail maintenance needs, Trail Ribbon Cutting Ceremonies, and NCTCOG's Regional Trail Branding & Wayfinding Project.
- The next Task Force meeting will be held in August 2022.



Corridor Development Certificate Applications

Progress Since Last FMTF Meeting (2/25/22):

- ▶ New CDC Applications
 - ▶ FW 030722-1
 - ▶ CAR 033122-1
 - ▶ GP 040122-1
- ▶ Technical Review Complete
 - ▶ DC 1220202-1 (Meets Criteria)
- ▶ Final Action Forms
 - ▶ DC12102021
 - ▶ GP 021122-1 (Exemption)
 - ▶ FW021622-1

During the Roundtable, please share any new CDC applications you anticipate being submitted soon.

Roundtable



Next FMTF Meeting Date

Friday, August 19, 2022

9:30 a.m.

Meeting Format is TBD.

Add to Calendar:

<https://www.addevent.com/event/jn13806511>

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