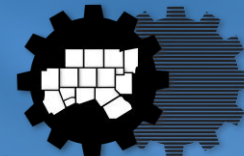


# Integrated Stormwater Management (iSWM) Subcommittee Meeting

Staff Planner: Casey Cannon

April 24, 2024



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# Agenda

## I. Welcome and Introductions

## II. Action Items

1. Approval of January 17, 2023, Meeting Summary.
2. Rolling nominations for leadership team.

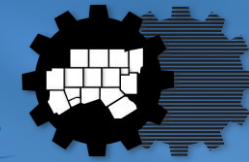
## III. Discussion Items

- I. FY24 Work Program Update
- II. FY25 Work Program Tasks

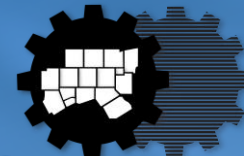
## IV. Information Items

1. Regional Public Works Program Update
2. NCTCOG TMDL Program Update
3. General Information Items & Roundtable
4. Schedule for the Next Meeting

## Adjournment



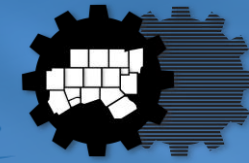
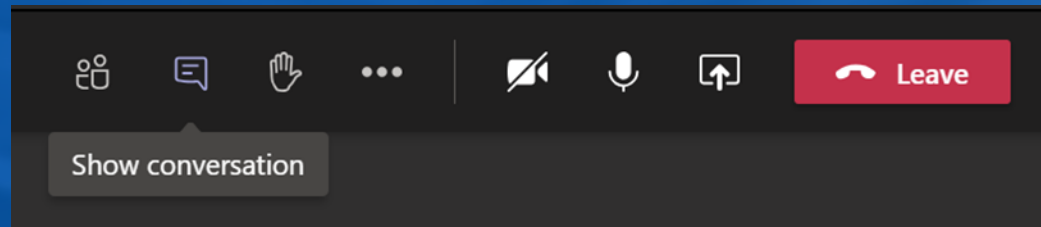
# Welcome & Introductions



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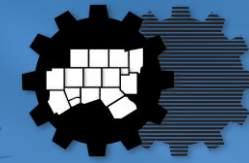
# Welcome and Introductions

- The meeting agenda, presentation and handouts are located on the [iSWM subcommittee webpage](#)
- Please use the chat function to add your name and organization for attendance



# Approval of January 17, 2024, Meeting Summary

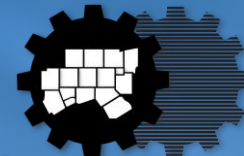
- The meeting summary is posted [online](#) for Subcommittee approval.



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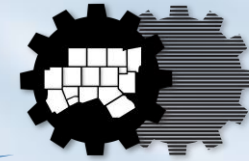
# Nominations for FY24 Leadership Team

- The Subcommittee will accept nominations for Chair & Vice-Chair Position

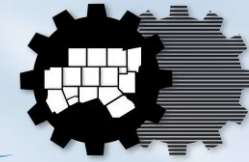


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# Discussion Items



# FY24 Task Update



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# FY24 Task List

| - | Task  | Category                  |
|---|---|---------------------------|
| 1 | <b>Review and Compile iSWM Manual Changes</b> – NCTCOG staff will review and compile all recent revisions of the iSWM Criteria Manual (2013) and iSWM Technical Manual (2015). This will be an official update of the documents.                          | Revised Technical Content |
| 2 | <b>iSWM BMP Training (1-2 Hour)</b> - Training communities on engineering design or maintenance of BMPs   | Outreach                  |
| 3 | <b>iSWM Implementation guidance for communities in the region</b> - Continued outreach and workshops for iSWM Implementation and/or technical implementation guidance.  | Outreach                  |
| 4 | <b>iSWM Promotional Presentation for Partnering Organizations</b> - Host event/training promoting iSWM and BMPs through industry and interest groups (i.e., ULI, TREC, AIA, APA, ASLA, USGBC, GDPC, CNU, DBA) and additional developer training/outreach. | Outreach                  |
| 5 | <b>Research “cumulative impacts” on small footprint developments.</b> – With developments of <1 acres, research the impervious cover threshold that creates an impact on drainage systems so that the cumulative effects should be considered.            |                           |
| 6 | <b>Engineering Best Practices for iSWM Submittals During City Development Review</b>  |                           |



# NCTCOG iSWM Task Order Updates

April 24, 2024



## TASKS

- Task 1 - As-needed support services
  - No assistance required of Halff at this time
- Task 2 - Development submittal and review process training
- Task 3 - Panel discussion of iSWM communities
- Task 4 - Present at up to 4 promotional events
- Task 5 - Research cumulative impacts on small footprint developments
- Task 6 - Engineering best practices for ISWM submittals
  - Summary and findings from Task 2

## TASK 2: TRAINING

- iSWM development submittal and review process training
  - Halff working with BHB to develop training materials
  - 2-hour presentation planned (initial draft sent on 4/23/2024)
  - Opportunities for detailed discussions in the future identified
  - NCTCOG most likely will host

## TASK 3: IMPLEMENTATION GUIDANCE

- Panel discussion of iSWM communities
  - Halff and NCTCOG have held several planning meetings with communities
  - The panel workshop is going to be 2 hours total, from start to finish.
  - The purpose of the panel is to discuss iSWM implementation: what works, what doesn't work, what we need for success, where we would like to go, what we would like to leave behind
  - Halff is going to give a presentation on iSWM/TriSWM
  - Panel participants will give short presentations
  - Panel participants will answer questions from attendees

## TASK 4: PROMOTIONAL PRESENTATIONS

- Present at up to 4 promotional events
  - Presented at ASCE/EWRI Technical Session on April 15, 2024
  - Presenting at TSPE Meeting June 13, 2024





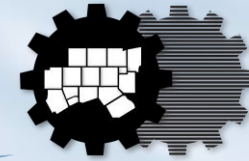
## TASK 5: RESEARCH CUMULATIVE IMPACTS

- **Research cumulative impacts on small footprint developments**
  - Will utilize existing XPSWMM models of the Linwood area developed as part of the City of Fort Worth's Cumulative Impacts Study in 2022.
  - Focusing on a typical block or neighborhood, evaluate impervious scenarios and subsequent impacts on hydrology & hydraulics
  - Memorandum summarizing findings of study

**QUESTIONS?**



# FY25 Work Program Discussion



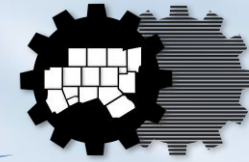
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# FY25 Potential Task Items

|    |   |  |
|----|---|--|
| 7  | <b>Stormwater Quality Monitoring of Existing iSWM BMPs</b> - Establish an annual iSWM BMP monitoring program for determining pollutant removal efficiency of existing local N. Texas structural BMPs installed according to the iSWM design criteria. Select a limited number of existing BMPs in the region and confirm that the device(s) were constructed to iSWM criteria. Then monitor stormwater runoff into the device and the resulting outflow from the device to determine the removal efficiency of selected pollutants. | New/Revised<br>Technical Content             |
| 8  | <b>Develop Technical Case Studies</b> - Case study for the engineering or the design and construction of selected BMP devices to be used as a demonstration project. Similar to SARA LID Training Program <a href="https://www.sariverauthority.org/public-services/low-impact-development/lid-training-program">https://www.sariverauthority.org/public-services/low-impact-development/lid-training-program</a> .   |  |
| 9  | <b>Website updates</b> - Add images and visual cues to help people navigate the website certification guidance page or other quality of life updates.   | Website update                               |
| 10 | <b>Guidance or training on temporary sediment basins.</b>   | Outreach<br>New/Revised<br>Technical Content |
| 11 | <b>Guidance on Pipe Utility Crossing</b> - Create general guidance describing BMPs and recommendations for pipe utility crossings.  | New/Revised<br>Technical Content             |
| 12 | <b>Expanded use of trees in detention ponds for dual purposes; water quality and carbon sequestration.</b>  | New/Revised<br>Technical Content             |



# Information Items

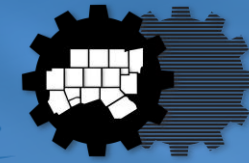


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# Public Works Program Update

- Virtual Public Works Council (PWC) meeting, May 16, 2024  
[www.nctcog.org/envir/committees/public-works-council](http://www.nctcog.org/envir/committees/public-works-council)
- Save the Date! 25<sup>th</sup> Annual Public Works Roundup, August 22, 2024, Hurst Conference Center  
<https://www.nctcog.org/envir/public-works/annual-public-works-roundup>
- Working with UTA students to develop an innovative outreach strategy for Public Works recruitment and retention
- Meeting with a subcommittee to review Public Works cost shares for FY26-FY30

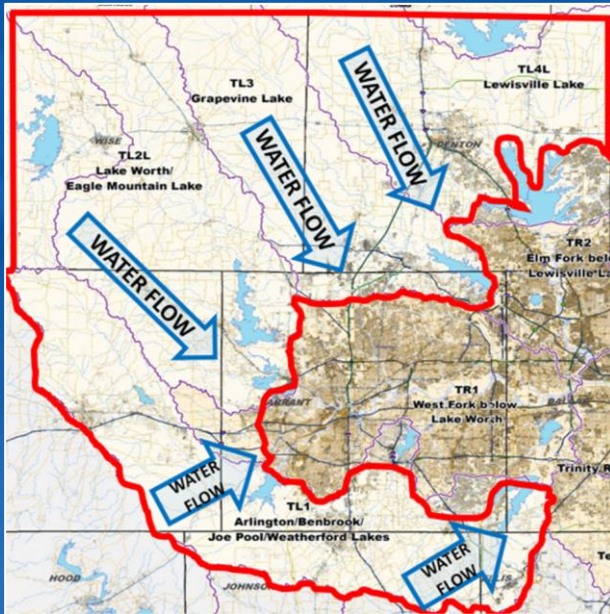
For more information on the Public Works program please contact Kate Zielke at [kzielke@nctcog.org](mailto:kzielke@nctcog.org) or (817) 695-9227



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# Transportation and Stormwater Infrastructure Project

Transportation planning  
+ stormwater planning  
+ environmental  
planning = strategies to  
reduce future flood risk  
[www.nctcog.org/tsi](http://www.nctcog.org/tsi)



## Upcoming Events

- Technical Advisory Group meeting – May 6, 10-11:30 a.m.
- GSI and Water Rights Workshop – late May or June
- Formation of developer/real estate advisory group

## Progress to Date

- Two rounds of meetings with stakeholders in the study area
- Three meetings with Technical Advisory Group
- Three meetings with Steering Committee
- Stakeholder engagement plan draft
- Coordination with Urban Land Institute
- 1D H&H pilot study

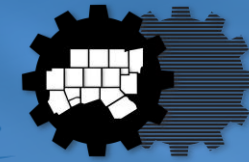


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# NCTCOG TMDL Program Update

- Upcoming Joint TMDL Stormwater & Wastewater Technical Subcommittee Meeting: May 9, 2024 at 9:30 AM via Microsoft Teams
- 2024 Workshops (dates and speakers TBD):
  - Bacterial Source Tracking
  - Avian Wildlife
  - Supplemental Environmental Projects
  - Roundtable on I-Plan Strategies and Goals in preparation for updating the I-Plan in FY2025

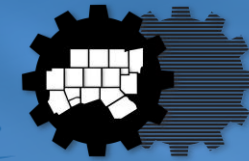
For more information on the TMDL program please contact Hannah Allen at [hallen@nctcog.org](mailto:hallen@nctcog.org) or (817) 695-9215



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# Upcoming Events, Conferences, and Opportunities

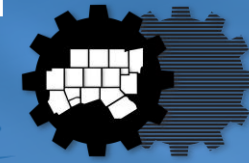
- TCEQ Environmental Trade Fair & Conference
  - Austin, TX
  - May 14 – 15, 2024
  - More information available [online](#).
  
- TFMA Technical Summit
  - Dallas, TX
  - August 27 – 30, 2024
  - More information available [online](#).



# Upcoming NCTCOG Meetings

- Next iSWM Meeting: July 17, 2024 at 1:30 PM
- Transportation and Stormwater Infrastructure study Technical Advisory Group meeting, May 6, 2024
- Public Works Council, May 16, 2024
- Regional Stormwater Management Coordinating Council, May 22, 2024

Environment & Development Committees Information  
Available at [nctcog.org/envir/committees](https://nctcog.org/envir/committees)



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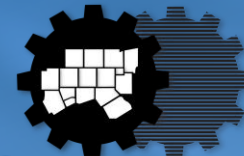


# Upcoming iSWM Agenda Topics

- FY25 Work Program Discussion
  - Will vote to finalize at July 17th In-Person Meeting



# Roundtable Discussion



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# Contact & Connect

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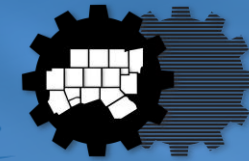
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