

# Public Works Council

---

MAY 10, 2018

# Action Items

---

2. **Meeting Summary.** The February 8, 2018 [meeting summary](#) is available online for review. Vote for approval
3. **iSWM Task Order #2.** The Council will vote to approve the iSWM Subcommittee's second task order for Half Associates, Inc.

iSWM Subcommittee & Halff Associates  
Scope of Services – Task Order 2

1. **Project Management and Meeting Attendance**
2. **Additional specifications and details for site development controls** – There is hesitation that developers and contractors in the region will not know how to install the site development controls. The schematics in the manual are a good start but many want the specifications and details to the level of the NCTCOG Construction Standard Details book.
3. **Provide additional detail and standards for proprietary devices** – Provide information on the specifications that should be considered for approval of a proprietary device and acceptable minimums that they should achieve.
4. **Add more detail on maintenance and inspection** – Still a need in the region for more information on maintenance costs and variability. Could research long standing applications and gather maintenance data/records/costs/methods. We could include some best practices in developing and tracking a cities maintenance and inspection program. Could also look outside of Texas for more long standing applications.
5. **Miscellaneous Technical Assistance:**
  - Assistance preparing educational materials including but not limited to : Pollution Prevention During Construction Class.
  - Coordinate with companion efforts when and if possible to help with efforts such as design parameters, as well as gather data on methods to set up a public/private partnership and other means for regional detention.
  - Assist NCTCOG staff in creating survey to learn about current activities and standards that are being applied. Also, help in creating a watershed based inventory of iSWM principals being utilized by communities in the NCTCOG region.
  - Attend up 3 Outreach Meetings and 1 technical assistance meeting.

# FY 2018 Public Works – Work Program Update

---

## 1. Public Works Trainings

*\*Still looking for instructors (Construction Contracts and Young Inspector Training)*

## 2. Public Works Construction Standards – Standard Drawings Update

*\*Prioritized 6 iSWM Schematics to add/update*

*\*Will send out survey to iSWM and Stormwater Committees for additional input*

*\*Next Meeting: June 4, 2018, 10 AM, Regional Forum Room, NCTCOG Offices*

# integrated Stormwater Management (iSWM) Updates

## 1. Halff Associates have completed Task Order #1.

- Downstream Assessment: summary of findings provided in memorandum.
- integrated Site Design Practices Criteria – sample ordinance language for incorporation of Site Design Practices into City Codes provided in a categorized matrix.
- *iSWM Workshop: Lessons Learned & Rules of Thumb for Engineers.*

This workshop addressed rules of thumb and lessons learned for applying iSWM engineering principles. Common points of interest for site design including H&H, water quality, streambank protection, erosion control, and downstream assessment. This workshop was hosted April 27<sup>th</sup>. Presentation available online.

## 2. The cities of Stephenville and Irving have applied for and are undergoing review for iSWM Certification.

## 3. New website to be revealed at Public Works Roundup!



**Stormwater Management** 

### iSWM Workshop

This workshop will address the rules of thumb and lessons-learned for applying iSWM engineering principles. The training will discuss common points of interest for site design including:

- hydrology and hydraulics
- water quality
- streambank protection
- erosion control
- downstream assessment

**April 27th 2pm-4pm**  
Halff Offices - Rio Grande Room  
1201 N. Bowser Rd. Richardson, TX

Register now:  
[www.nctcog.org/envir/](http://www.nctcog.org/envir/)

Questions? Contact Derica Peters at  
817-695-9217 [dpeters@nctcog.org](mailto:dpeters@nctcog.org)

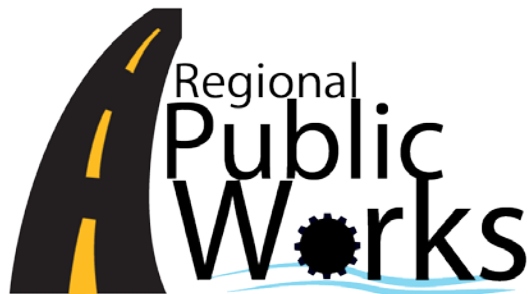
 **HALFF**  
Environmental & Development

[www.iswm.nctcog.org](http://www.iswm.nctcog.org)

The graphic includes a diagram of a hydrograph showing peak flow and time to peak, and a site plan diagram showing stormwater management features like detention basins and streambank protection.

# 19<sup>th</sup> Annual Public Works Roundup!

**Date:** May 23<sup>rd</sup>  
**Location:** Grapevine Convention Center  
**Registration:** 190 individuals  
**Sponsorship:** \$7,750; 21 sponsors



Tables (11 total)
Terracon Consultants, Inc.
Walter P Moore
Tetra Tech
Teague Nail and Perkins, Inc.
Construction EcoServices
Dynatest North America, Inc.
Baird, Hampton, and Brown, Inc.
SWCA Environmental Consultants
Bowman Consulting Group
Criado and Associates
TPWA (non-sponsor table)

# Tentative Draft Agenda

## Morning Presentations

- 8:30 – 9:00 a.m. **Registration, Networking, Vendor Tables  
Light Breakfast**
- 9:00 – 9:10 a.m. **Welcome/Agenda Overview**  
Bryan Beck, City of Grapevine Public Works Director  
Kate Powers, NCTCOG
- 9:10 – 9:30 a.m. **State Flood Assessment**  
Jessica Baker, Halff Associates
- 9:30 – 10:00 a.m. **Urbanized Stream Corridor: Community Approach to Address  
Erosion**  
Romin Khavari, City of Grand Prairie & Stephan Crawford, Halff Associates
- 10:00 – 10:30 a.m. **Low Impact Development Construction & Maintenance**  
Anthony Kendrick, Construction EcoServices
- 10:30 – 10:45 a.m. **Break**
- 10:45 – 11:45 a.m. **Master Drainage**  
Jennifer Dyke, Fort Worth  
Steve Galloway, Kimley-Horn & Matt DuBois, City of Frisco  
Chad Marbut, City of Weatherford, & Shannon Nave, Baird, Hampton, & Brown
- 11:45 – 1:10 p.m. **Lunch, Networking, and Demonstration Visits**

## Afternoon Presentations

- 1:10 – 1:35 p.m. **Asphalt Pavement: Management & Rehabilitation**  
Dr. Romanoschi and Dr. Ghassan Khankarli, University of Texas –  
Arlington, & Manny Palacios, City of Weatherford
- 1:35 – 2:05 p.m. **Work Zone Traffic Control**  
John Stanley, City of Mesquite, & Ryan Delmotte, Kimley-Horn
- 2:05 – 2:45 p.m. **S.B. 1004 Small Cell Implementation Panel**  
Representatives from Sprint, T-Mobile, Mobilitie, and ExteNet
- 2:45 – 3:00 p.m. **Break, Vendor Tables  
Light Snack**
- 3:00 – 3:25 p.m. **Construction Best Management Practices for Site Design**  
Shawn Poe, City of Rowlett
- 3:25 – 3:45 p.m. **iSWM Update**  
Derica Peters, NCTCOG & Ben Pylant, Halff Associates
- 3:45 – 4:00 p.m. **NCTCOG Public Works Program Update**  
Kate Powers, Environment and Development Planner, NCTCOG
- 4:00 pm **Adjourn**

# Public Works Council Member Reappointments

NCTCOG is now accepting Member Designation/ Reappointment Forms for the FY 2019 Regional Public Works Program!

**Please complete and submit  
FY 2019 Reappointment Forms by  
Friday, July 20, 2018  
to Crysta Guzman,  
[cguzman@nctcog.org](mailto:cguzman@nctcog.org)**



Current Member	City/County/Firm	Represents
Vacant	Vacant	East Subregion
Mike Brownlee	City of Corinth	Denton/Lake Cities; Council Vice Chair
Lyndon Cox	Terracon Consultants	Texas Council of Engineering Labs/Geoprosessionals Serving
John Crawford	City of Carrollton	"
Mike Curtis	City of North Richland Hills	Mid-Cities Subregion
David Disheroon	Johnson County	Southwest Subregion
Fred Ehler	Denton County	"
Alan Fourmentin	City of Celina	Northeast Subregion
Haytham Hassan	City of Dallas	"
Mark Hines	Collin County	"
David Hunter	City of Denton	"
Jeffrey James	City of White Settlement	Northwest Tarrant Subregion
John Kasavich	City of Fort Worth	"
Paul Knippel	City of Frisco	"
Wayne Lee	City of Irving	"
John Mears	Dallas County	"
Manny Palacios Jr.	City of Weatherford	West Subregion; Council Chair
Walter "Buzz" Pishkur	City of Arlington	"
Michael Polocek	City of Garland	"
Paul Sparkman	City of McKinney	"
Robert Woodbury	City of Cedar Hill	Southwest Dallas Subregion



**DRAFT**

# FY 2019 Public Works – Work Program Update

---

Basic level support activities anticipated for continuation:

1. Continued support of general Public Works Activities
2. Ongoing support of Public Works Construction Standards Update
3. Continued support of the SPROW Subcommittee
4. Continued promotion of the iSWM Program
5. Hydrologic and Flooding Technical Assistance
6. Regional Training and Presentation Opportunities

**DRAFT**

## FY 2019 Public Works – Work Program Update

---

### Additional program activities for FY 2019:

- A. Public Works Construction Standard Drawings Update
- B. Public Works Training Site
- C. Continuation of Cooperative Purchase of Public Works materials
- D. Develop Partnerships with Regional Associations for exploration of training opportunities
- E. Trainings for Contractors or Inspectors
- F. Developing a Low Impact Development (LID) Competition.

# Work Program Survey Results

---

# Work Program Survey Results

---

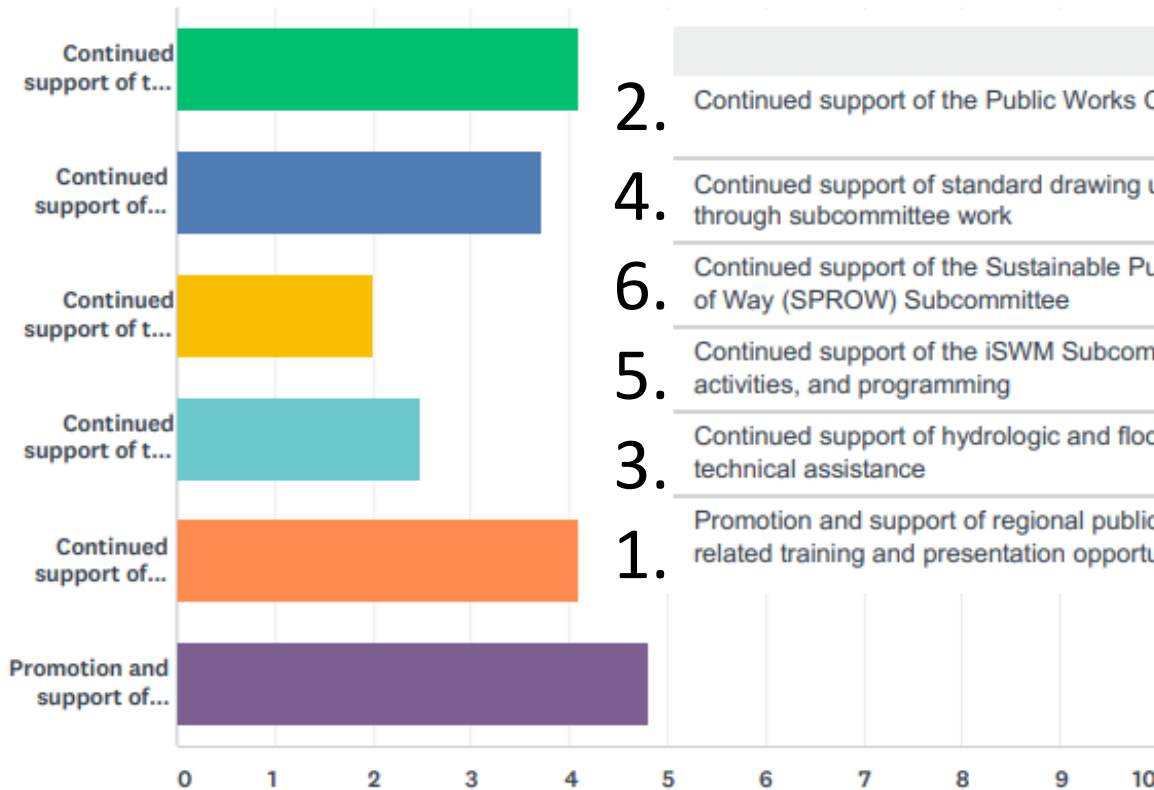
## 11 RESPONSES

- City of Mesquite (2)
- Dallas Water Utilities
- City of White Settlement
- BHB for Town of Edgecliff Village
- City of Grand Prairie
- City of Plano
- City of Fort Worth
- City of Irving
- Benbrook
- City of Ennis

# Prioritize the following Public Works Program tasks.

Answered: 11 Skipped: 0

1 = Highest Priority; 6 = Lowest Priority

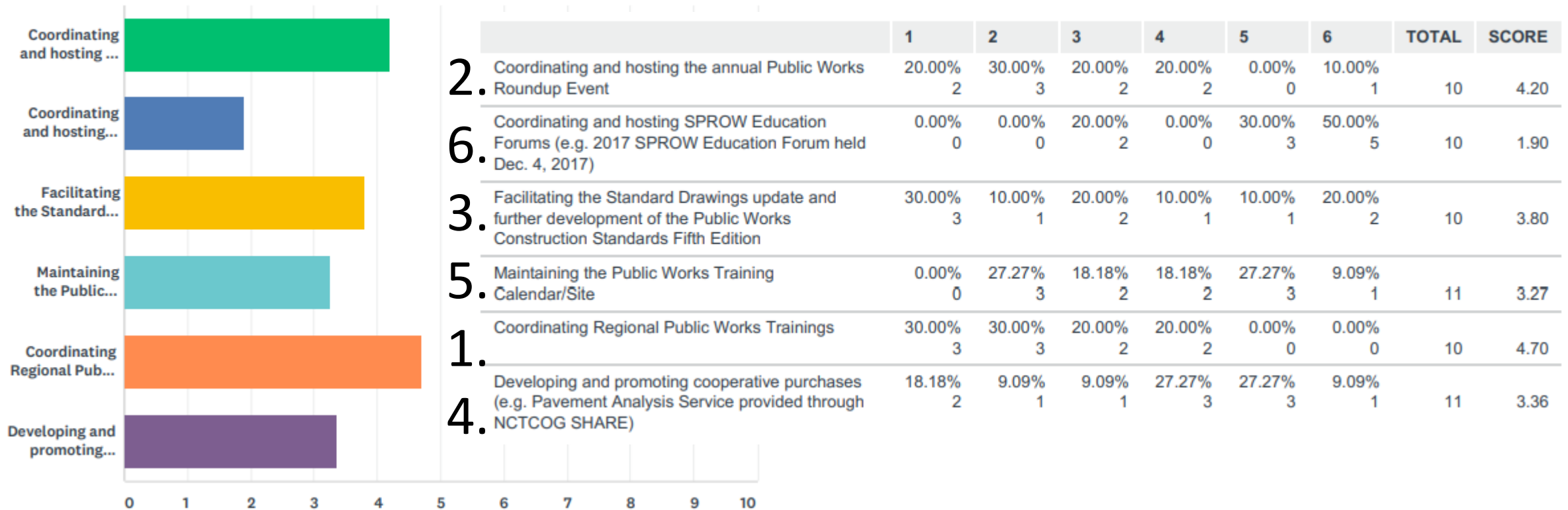


	1	2	3	4	5	6	TOTAL	SCORE
2. Continued support of the Public Works Council	20.00% 2	10.00% 1	50.00% 5	0.00% 0	20.00% 2	0.00% 0	10	4.10
4. Continued support of standard drawing updates through subcommittee work	18.18% 2	27.27% 3	9.09% 1	18.18% 2	9.09% 1	18.18% 2	11	3.73
6. Continued support of the Sustainable Public Rights of Way (SPROW) Subcommittee	0.00% 0	0.00% 0	0.00% 0	40.00% 4	20.00% 2	40.00% 4	10	2.00
5. Continued support of the iSWM Subcommittee, activities, and programming	10.00% 1	0.00% 0	10.00% 1	20.00% 2	30.00% 3	30.00% 3	10	2.50
3. Continued support of hydrologic and flooding technical assistance	9.09% 1	36.36% 4	27.27% 3	18.18% 2	0.00% 0	9.09% 1	11	4.09
1. Promotion and support of regional public works related training and presentation opportunities	45.45% 5	27.27% 3	9.09% 1	0.00% 0	18.18% 2	0.00% 0	11	4.82

# Prioritize the following Public Works Program tasks.

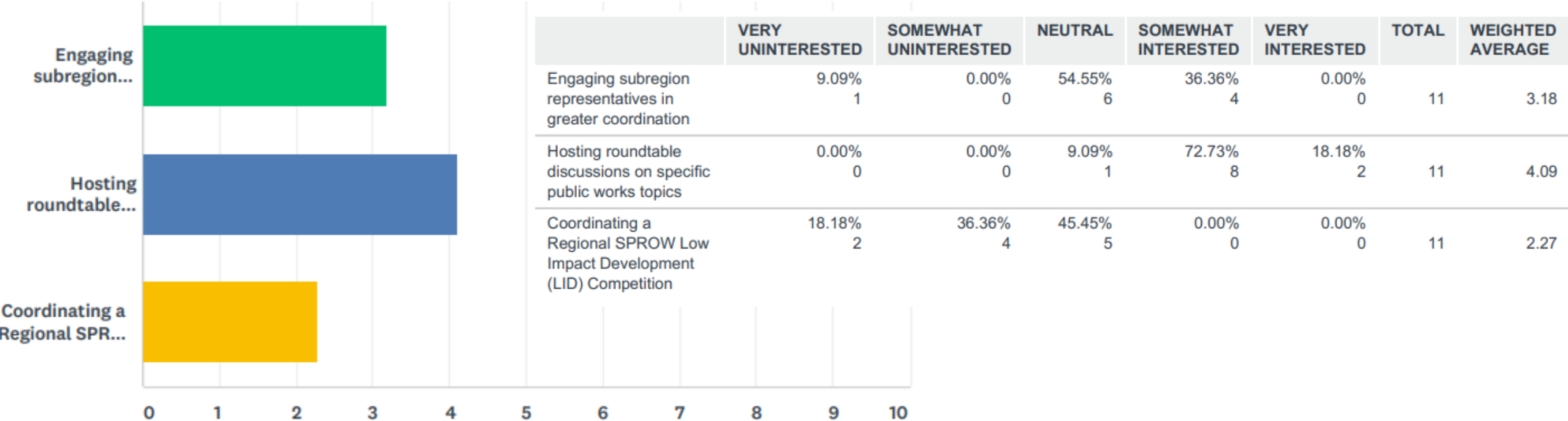
Answered: 11 Skipped: 0

1 = Highest Priority; 6 = Lowest Priority



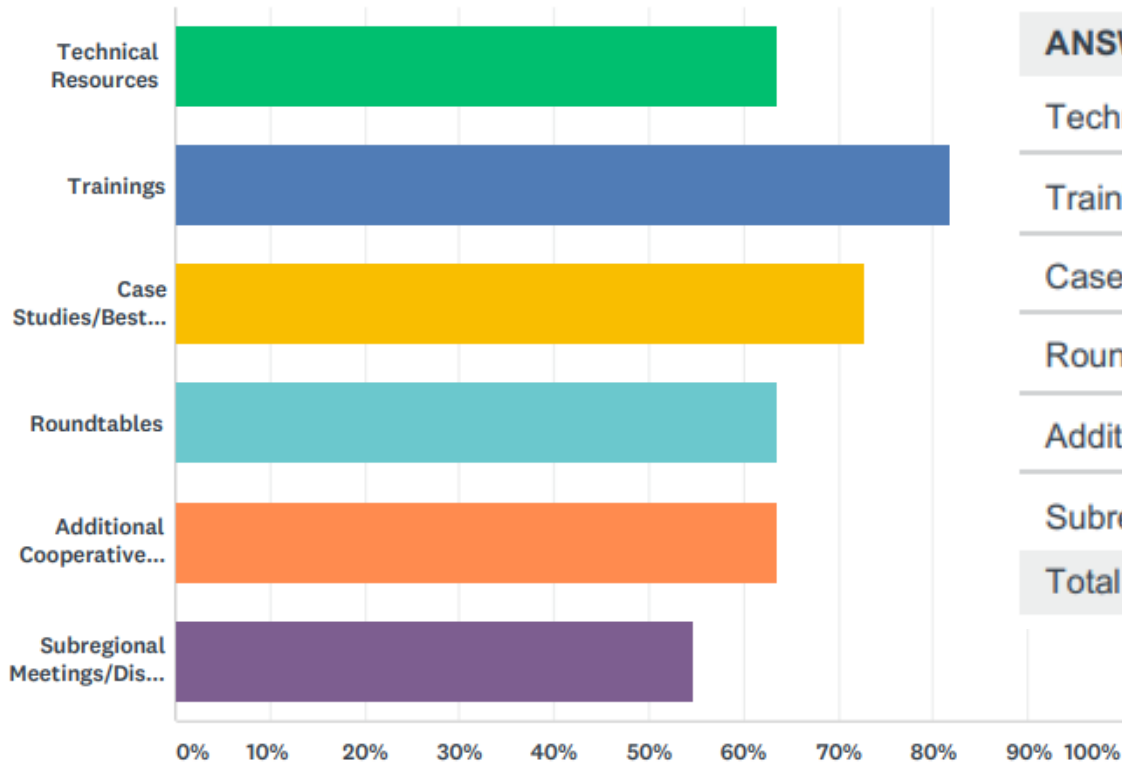
# Please let us know your interest in the following potential regional activities.

Answered: 11 Skipped: 0



# Which of the following activities would your community find valuable should resources and interest support their development?

Answered: 11 Skipped: 0



ANSWER CHOICES	RESPONSES
Technical Resources	63.64% 7
Trainings	81.82% 9
Case Studies/Best Practices Resources	72.73% 8
Roundtables	63.64% 7
Additional Cooperative Purchase Opportunities	63.64% 7
Subregional Meetings/Discussion Opportunities	54.55% 6
Total Respondents: 11	



# Comments on the activities selected:

- **Water and Sewer training** is always welcome. For Technical how to use leak correlators or leak locators.
- The City of Dallas maintains a large set of drawing standards. Dallas will likely ignore any efforts by NCTCOG to create new drawing standards. I have enjoyed the various training NCTCOG puts out - both in a general and a very specific way. Some topics are more interesting than others, but generally, I have enjoyed various programs. **Topics on iSWM, Storm Water Management, Pavement Replacement, and aging utility infrastructure are of interest.**
- Continued training opportunities for Public Works; opportunities to learn about and participate in **regional cooperative/funding opportunities**
- **Asset management resources/training, capital improvement planning & financing**
- **Asset management**, effective management of/partnerships with private development for public infrastructure improvement (**P3** stuff), addressing **urban flooding/erosion**,
- **Construction inspection training.** Maintaining updated Public Works **Construction Specifications** and details. **Case studies** of construction methods that work well or don't work well.
- **Best practices for road maintenance, water quality issues, and storm water**

# Feedback

---

Please provide NCTCOG staff with any edits or additions to the FY 2019 Work Program for the Public Works Regional Program.

Comments by the Council will be integrated into the document, and the FY 2019 Work Plan will be presented for approval at the next PWC meeting August 16.

# Water System Smart Meter Discussion – Survey Results

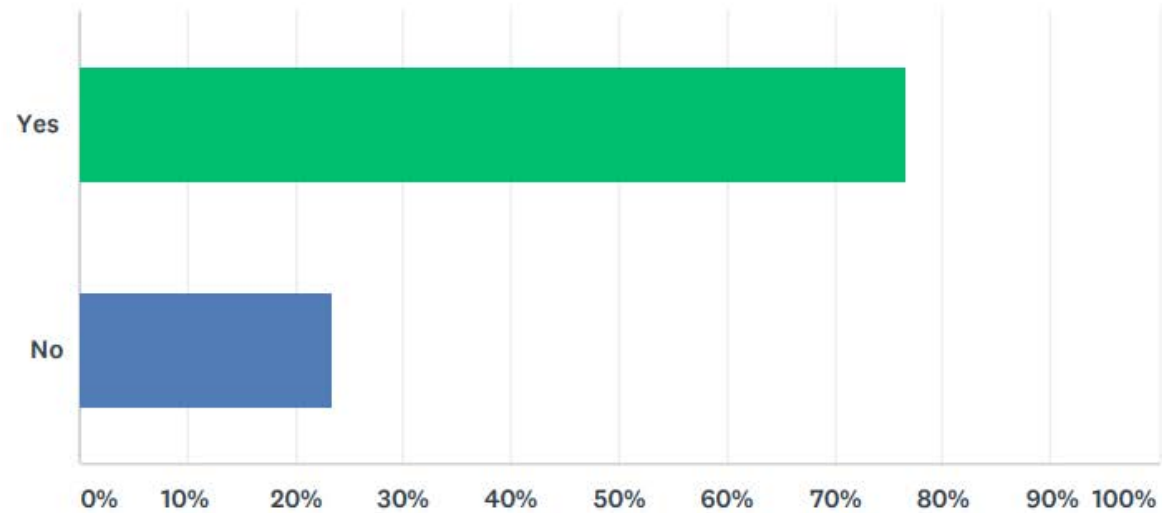
---

## **17 RESPONSES**

- City of Fort Worth
- Dallas Co. Park Cities MUD
- Corinth
- City of Grand Prairie
- City of Dallas - Dallas Water Utilities
- City of Duncanville
- DCFWSD 7 (Lantana)
- City of Haltom City
- City of Haslet
- City of Ennis
- City of White Settlement
- City of Denton
- City of Plano
- Upper Trinity Regional Water District
- City of Lancaster
- City of Blue Ridge
- Johnson County Special Utility District

# Are you considering updating/upgrading your water meter system?

Answered: 17 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	76.47%	13
No	23.53%	4
TOTAL		17

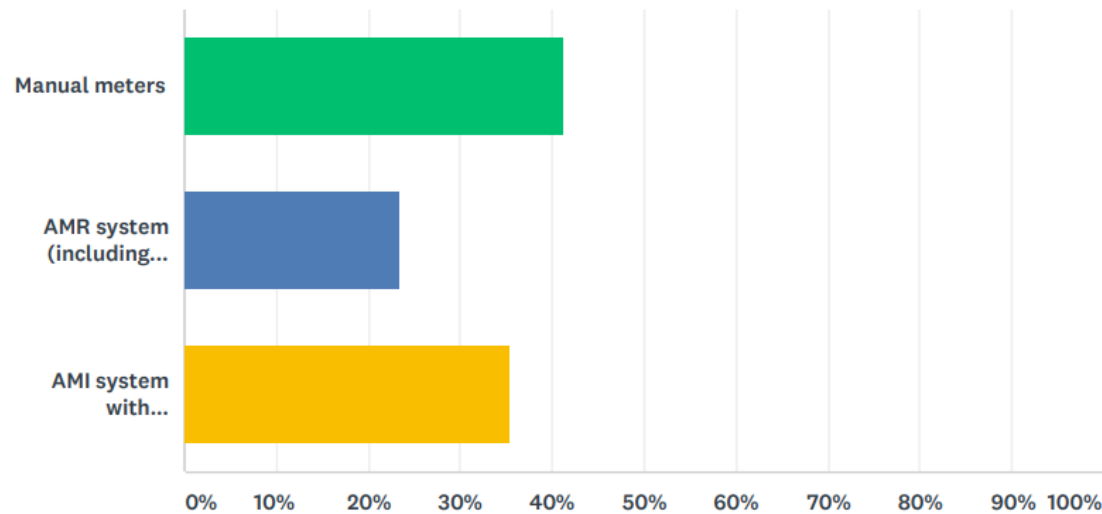
# If so, what purchasing mechanisms are you currently considering for upgrades?

---

- We are nearly complete with our AMI upgrades. We did an RFP in 2015.
- Currently exploring AMI initiatives for water meter infrastructure.
- Wireless Reads
- We are in the process of upgrading to the AMI system indicated in Question #4 below.
- Open bid
- Bid RFP
- Competitive proposal solicitation with an evaluation rating system.
- open bids
- AMI
- Certificate of Obligation
- Currently under contract. advertised RFQ, quals based selection, SWIFT funded. considered ESPC, determined that mechanism to be too costly
- Actually, we are not installing Smart meters but our 2 customers are - Highland Park and University Park. We funded this project for them - over \$3M. They took bids.
- We are working with RG3 to install smart water meters. We have Incode for our utility software.
- RFP's . Working with a consultant: SL-Serco. (same as FTW is using)

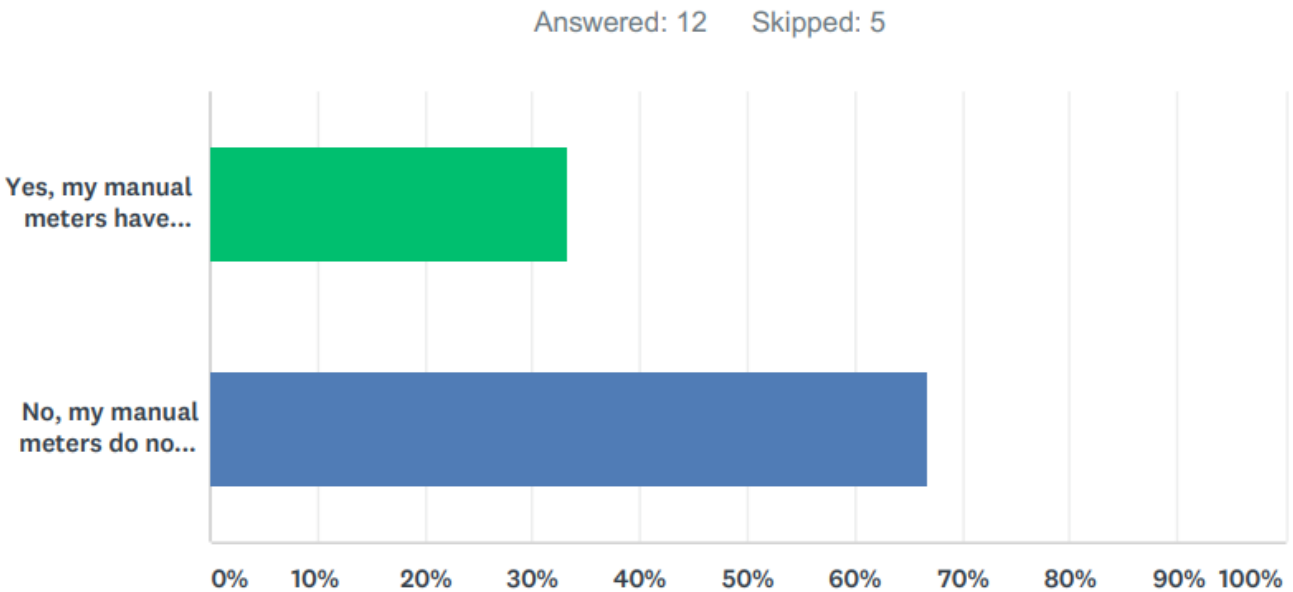
# Are you currently using manual meters, advanced metering infrastructure (AMI), or automatic meter reading (AMR)?

Answered: 17 Skipped: 0



ANSWER CHOICES	RESPONSES
Manual meters	41.18% 7
AMR system (including proximity read - walk or drive)	23.53% 4
AMI system with communication network (automatically feeds into a central internal software system with billing capabilities)	35.29% 6
TOTAL	17

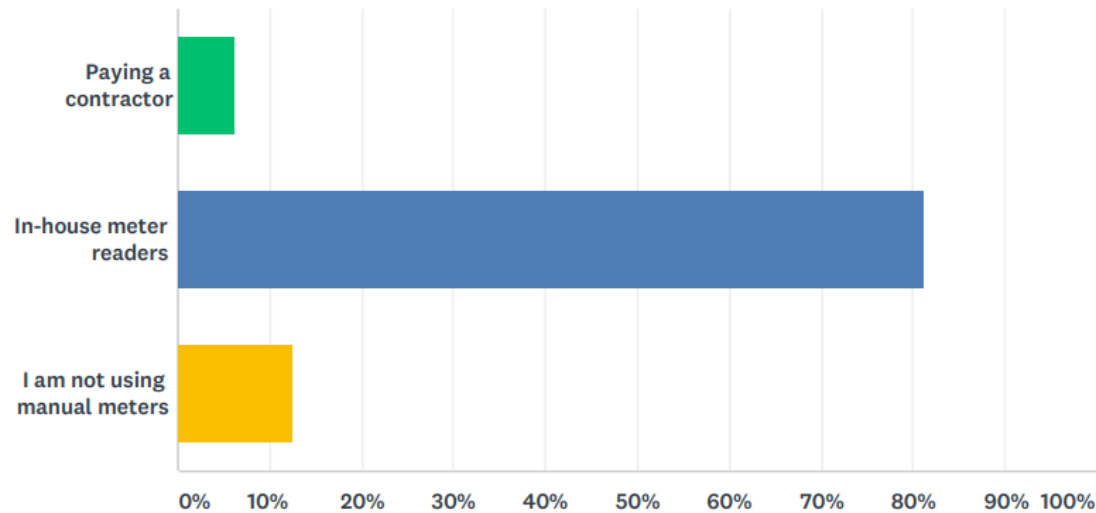
# If you are using manual meters, do your manual meters have AMR/AMI compatible registers?



ANSWER CHOICES	RESPONSES	
Yes, my manual meters have AMR/AMI compatible registers	33.33%	4
No, my manual meters do not have AMR/AMI compatible registers	66.67%	8
TOTAL		12

# Are you paying a contractor to read your manual meters, or do you use in-house meter readers?

Answered: 16 Skipped: 1

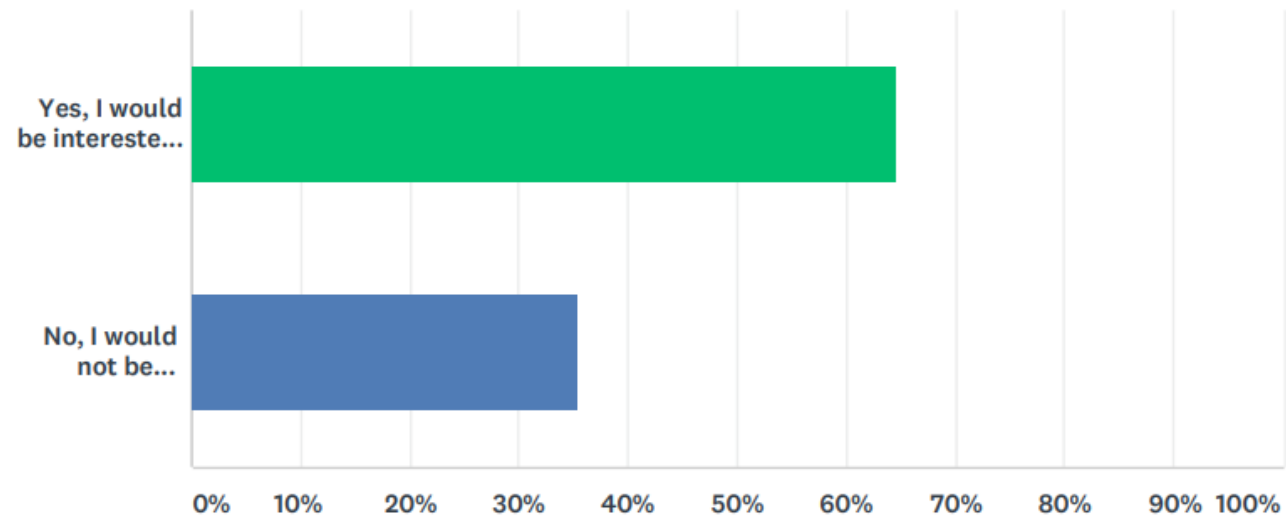


ANSWER CHOICES	RESPONSES
Paying a contractor	6.25% 1
In-house meter readers	81.25% 13
I am not using manual meters	12.50% 2
TOTAL	16



# Would you be interested in purchasing water system smart meters through a regional NCTCOG cooperative services procurement offering?

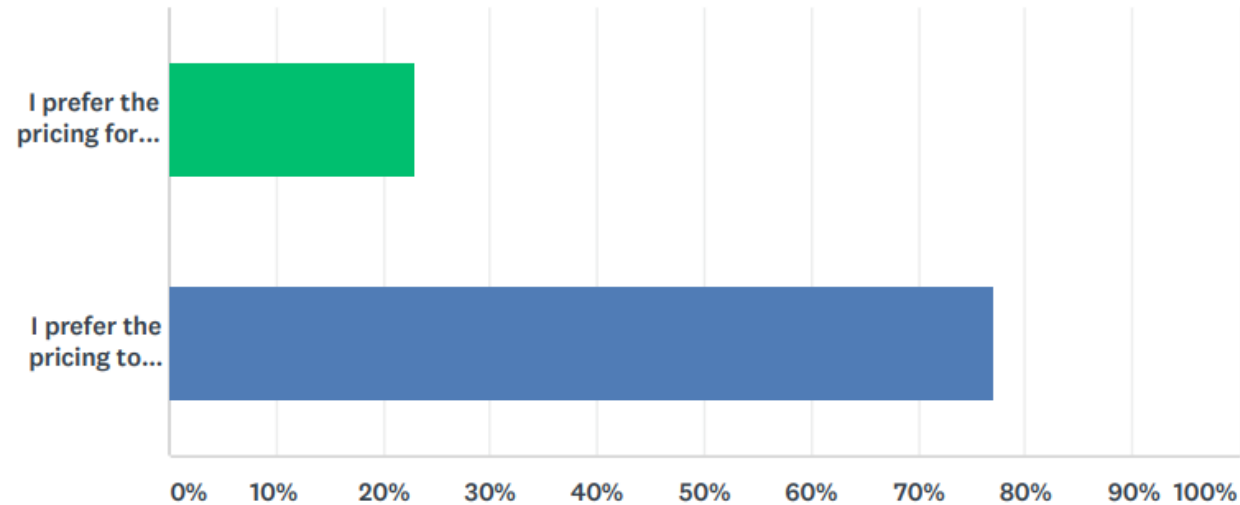
Answered: 17 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes, I would be interested in this cooperative service	64.71%	11
No, I would not be interested in this cooperative service	35.29%	6
TOTAL		17

# If you are interested, would you prefer the pricing for equipment only or pricing to include installation?

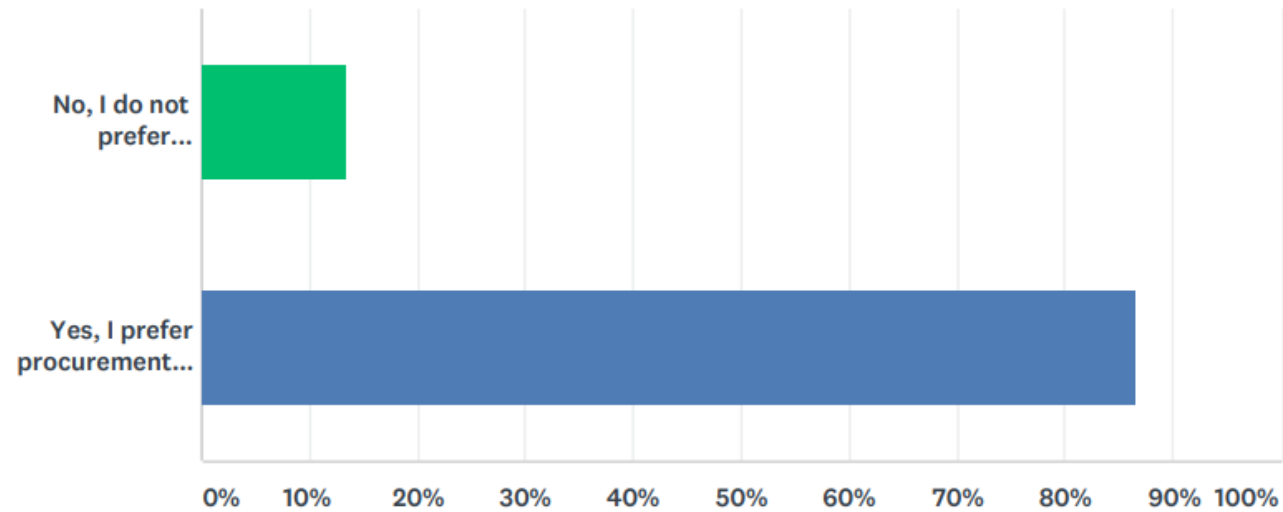
Answered: 13 Skipped: 4



ANSWER CHOICES	RESPONSES	
I prefer the pricing for equipment only	23.08%	3
I prefer the pricing to include installation	76.92%	10
TOTAL		13

# If you are interested, would you prefer procurement offerings include warranties?

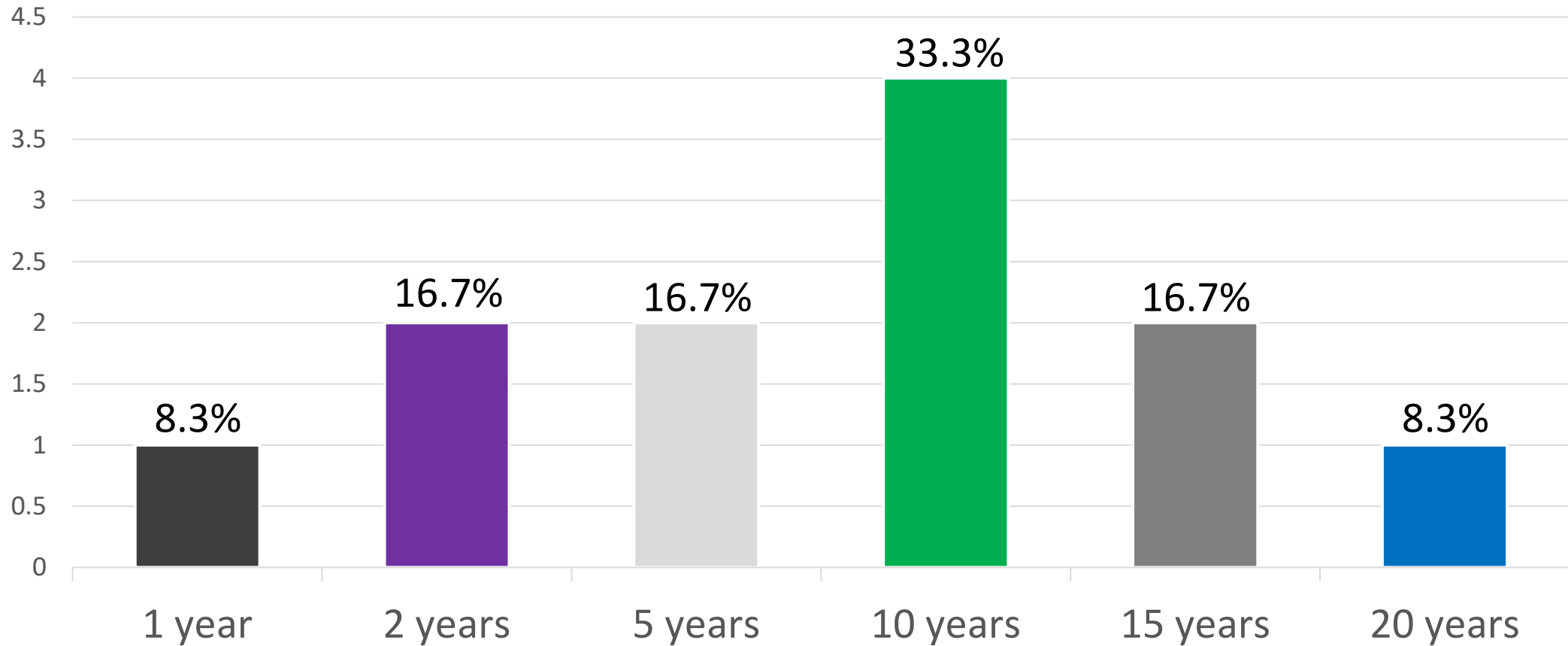
Answered: 15 Skipped: 2



ANSWER CHOICES	RESPONSES	
No, I do not prefer procurement offerings come with a warranty.	13.33%	2
Yes, I prefer procurement offerings come with a warranty. (Please leave suggested warranty length below.)	86.67%	13
<b>TOTAL</b>		<b>15</b>

# What length of warranty would you prefer?

---



Please list any preferred non-standard functionality needs or specifics that you like to see included in our Request for Proposals (to differentiate our offering from standard BuyBoard style purchasing options).

---

- Not sure how to answer many of these questions. Our AMI meter installations (contracted installers) will be done by the end of May. Our network - including remediation - will be done by June. Our Customer Portal will be launched in July.
- **Biggest concerns relate to battery life and manufacturer warranties, life expectancies and failure rate data.**
- Purchase and install of retro fit registers only vs complete meters
- Nothing outside standard.
- **I am concerned about the ability of our software to provide the billing capability** so that customers are able to access the data on either an hourly basis or 15 minute increments.
- **Ability to order equipment with different meter reading resolutions** (different cities bill differently). integrations with billing will require some collaboration for meter swap fields
- FYI: JCSUD has gone through the procurement phase via soliciting proposals. We are negotiating contract with Ferguson (supplier) /Mueller (equip)

# Feedback

---

Please provide NCTCOG staff with any comments or questions you may have regarding NCTCOG's SHARE cooperative services smart water meter initiative.

# Additional Program Updates

---

# Cooperative Technical Partnership Program

---

## FY16 Projects

Kickoff meetings for flood risk identification projects in Cleburne and Tarrant County were held in February, and projects are underway.

East Fork Trinity Discovery is underway. Pre-Discovery webinars for East Fork watershed communities are tentatively scheduled for late June.

## FY17 Projects

Task Order for FY17 projects was executed with Halff Associates earlier this month.

Kickoff meetings will be scheduled for this summer.

Flood Risk Identification projects in Weatherford (Town Creek) and Benbrook (Stream CF-5).

## FY 18

Final Business Plan submitted to FEMA March 30<sup>th</sup>. Awaiting feedback from FEMA before the grant application process begins.

Flood Risk Identification project on Marys Creek in Parker County

Flood Risk Identification project on Wichita Chase Creek in Flower Mound



# Community Rating System Users Group

---

Next CRS Users Group meeting will be

May 22<sup>nd</sup>, from 12 p.m. to 2 p.m.

Deidra Mares, the ISO specialist for the area, will be the speaker. She will discuss the ISO review process for current CRS communities and the benefits of the program and expectations for non-CRS communities.

# Public Works Emergency Response Team (PWERT) Update

## Contact Information:

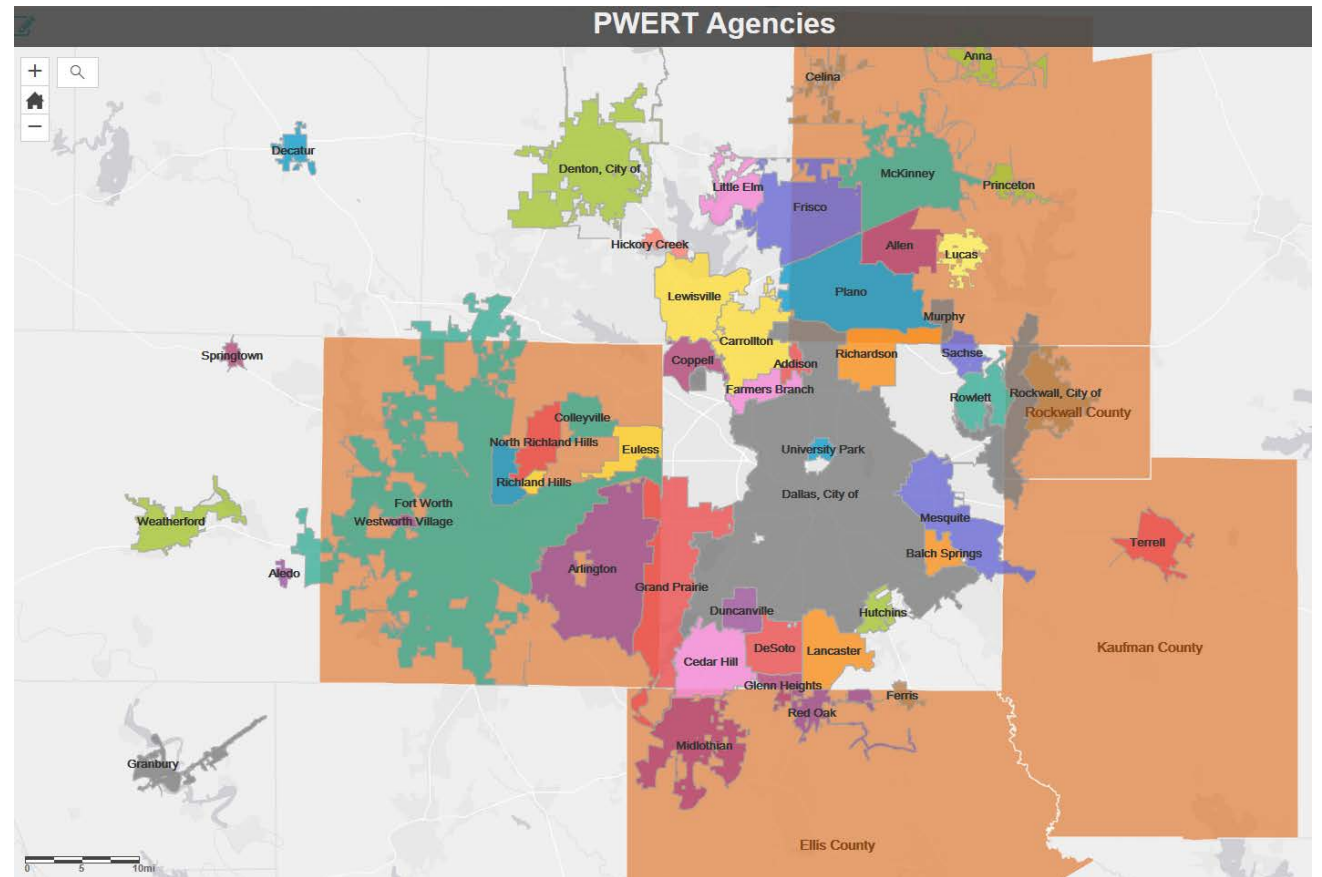
Manny Palacios Jr., Chair  
[mpalacios@weatherfordtx.gov](mailto:mpalacios@weatherfordtx.gov)

Mistie Gardner, Vice Chair  
[mistie.gardner@cor.gov](mailto:mistie.gardner@cor.gov)

Jessica Mason, NCTCOG Rep  
[JMason@nctcog.org](mailto:JMason@nctcog.org)

## **Next PWERT Meeting:**

**June 14, 2018, 9:30-11:00 am**  
**NCTCOG, Metroplex Conference Room**



# North Central Branch AMERICAN PUBLIC WORKS ASSOCIATION

---

JAY VONAHSEN

NCT BRANCH VICE PRESIDENT /  
TPWA STATE CHAPTER TREASURER

MAY 10, 2018



# Next North Central Branch General Meeting and Luncheon

---

June 12, 2018

Botanical Gardens – Fort Worth, TX

*Adelaide Polk Fuller Garden*



Source: <http://www.fwb.org/gardens/#/fuller-garden/>

# Upcoming TPWA NCT Branch Events

Date	Venue	Location
May 11, 2018	Bass Fishing Tournament	Lake Fork (SE of Greenville, TX)
May 20 – 26, 2018	National Public Works Week	Nationwide
June 12, 2018	General Meeting	Fort Worth
August 21, 2018	General Meeting	Carrollton
October 1, 2018	Golf Tournament	Prairie Lakes Grand Prairie, TX
November 15, 2018	One Day Seminar	Richardson
December 11, 2018	Annual Meeting	TBD

# Public Works Institute of Texas (PWITX)

---



The Public Works Institute of Texas (PWITX) continues an award winning tradition of providing members of the Texas Chapter of the American Public Works Association (APWA) with the highest quality in educational and professional development opportunities.

<http://www.pwtx.org/>

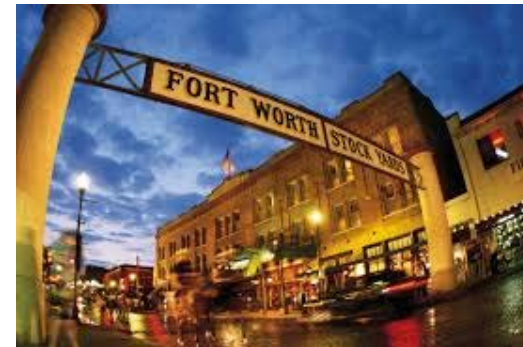


# SAVE THE DATE

---

## 2018 TPWA Annual Conference

Fort Worth, Texas  
at the Convention Center  
June 27, 2018 - June 29, 2018



# Flood Safe Texas – Collaborative and Modern Approaches Workshop

---

**Wednesday, June 27, 2018**

1:00 PM – 5:00 PM

2018 TPWA Annual Conference in **Fort Worth, TX**

## Topics:

- NOAA Atlas 14, impact and integration of new rainfall estimates
- US Army Corps of Engineers automated flood event inundation maps
- NCTCOG's efforts in developing a consolidated regional early flood warning system in the DFW area



# Future Agenda Items & Roundtable Discussion

---

- Upcoming Congestion Management Process (CMP) Update (Thomas Bamonte, NCTCOG)

NOW, IT'S YOUR TURN...

# Next PWC Meeting

---

*The next Public Works Roundup meeting is scheduled for:*

Thursday, **August 16**, 2018, at 9:30 a.m.

NCTCOG's Pitstick Executive Board Room

# Public Works Staff

---

**TAMARA COOK, AICP**



SENIOR PROGRAM MANAGER

[TCOOK@NCTCOG.ORG](mailto:TCOOK@NCTCOG.ORG)

(817) 695-9221

**EDITH MARVIN, PE, CFM**



DIRECTOR

[EMARVIN@NCTCOG.ORG](mailto:EMARVIN@NCTCOG.ORG)

(817) 695-9211

**MIA BROWN, CFM**



CRS, CTP

[MBBROWN@NCTCOG.ORG](mailto:MBBROWN@NCTCOG.ORG)

(817) 695-9227

**DERICA PETERS, CFM**



iSWM, DEVELOPMENT EXCELLENCE

[DPETERS@NCTCOG.ORG](mailto:DPETERS@NCTCOG.ORG)

(817) 695-9217

**KATE POWERS**



PUBLIC WORKS, TxCDBG

[KPOWERS@NCTCOG.ORG](mailto:KPOWERS@NCTCOG.ORG)

(817) 695-9213

**KATHLEEN MYERS**



PUBLIC WORKS, SPROW

[KMYERS@NCTCOG.ORG](mailto:KMYERS@NCTCOG.ORG)

(817) 695-9107



@NCTCOGENV



@NCTCOGENV