

iSWM Implementation Subcommittee Meeting

APRIL 11, 2018

Staff Contact: Derica Peters

Regulatory Updates



- Renewal of **the Small (Phase II) Municipal Separate Storm Sewer System (MS4) General Permit, TXR040000**. Expires on December 13, 2018. The public will have an additional opportunity to submit comments during the formal public comment period which is tentatively scheduled for **April 2018**.
- TCEQ expects new permit to be ready by **November 2018**.
- **Construction General Permit (CGP), TXR150000 RENEWED.**
PLEASE NOTE: Permittees with current (active) authorizations have a 90 days grace period to renew their existing authorization before the grace period ends on June 3, 2018. Renewal applications can be submitted online via STEERS/ePermits or paper form.

Public Works Update

- **Standard Drawings Subcommittee:** *If there is any interest in contributing to the Standard Drawings updates to please contact Kate.*
- **Public Works Roundup: **May 23rd** 9:00am Grapevine Convention Center**

Topics will include:

- Master Drainage Planning
- Safely Improving Traffic Flows
- Asphalt Pavement: Management and Rehabilitation of Pavement
- Texas State Flood Assessment Update
- Addressing Erosion: Urban Stream Corridors
- Work Zone Traffic Control and Planning
- New Inspector Plan Review
- iSWM

Tentative:

- Construction Best Management Practices for Site Design
- Senate Bill 1004 Small Cell Implementation in Local Governments
- Low Impact Development (LID)/Green Infrastructure in North Texas
- Stormwater Best Management Practices (BMPs)



iSWM Current Work Scope

- Downstream Assessment: provide summary of findings in memorandum
- integrated Site Design Practices Criteria – sample ordinance language for incorporation of Site Design Practices into City Codes. See Matrix.
- Lessons Learned & Rules of Thumb: Workshop to be held April 27th and guidance materials provided on website

iSWM Training

Upcoming:

iSWM Workshop: Rules of Thumb for Engineers

This workshop will address rules of thumb and lessons learned for applying iSWM engineering principles. The training will discuss common points of interest for site design including H&H, water quality, streambank protection, erosion control, and downstream assessment. Agenda pending.

April 27th: 2:00pm Halff Offices in Richardson

*Reminder – pass on registration email to local engineers!

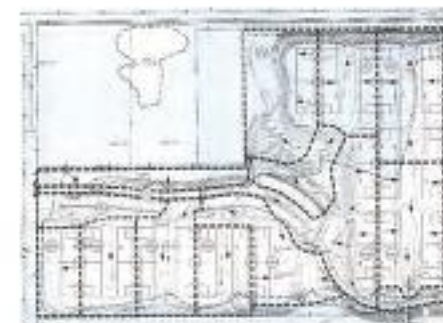
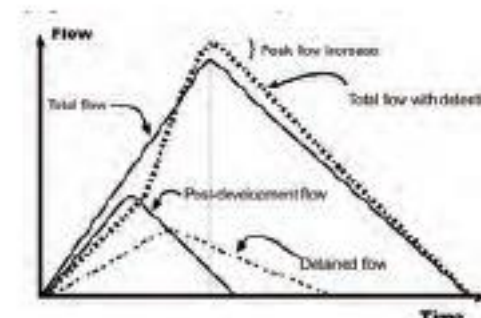


integrated Stormwater Management 

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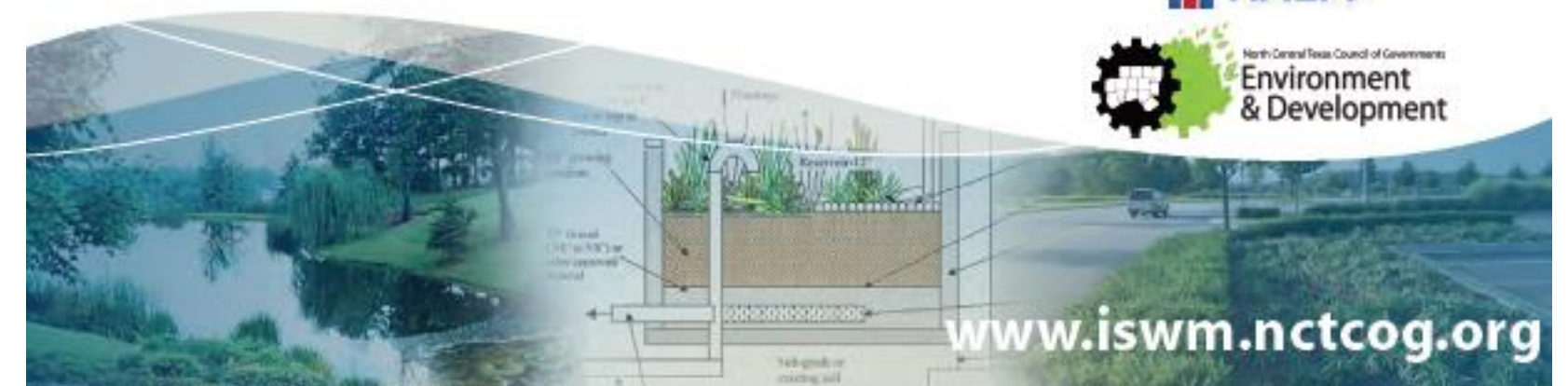


April 27th 2pm-4pm

Halff Offices - Rio Grande Room
1201 N. Bowser Rd. Richardson, TX

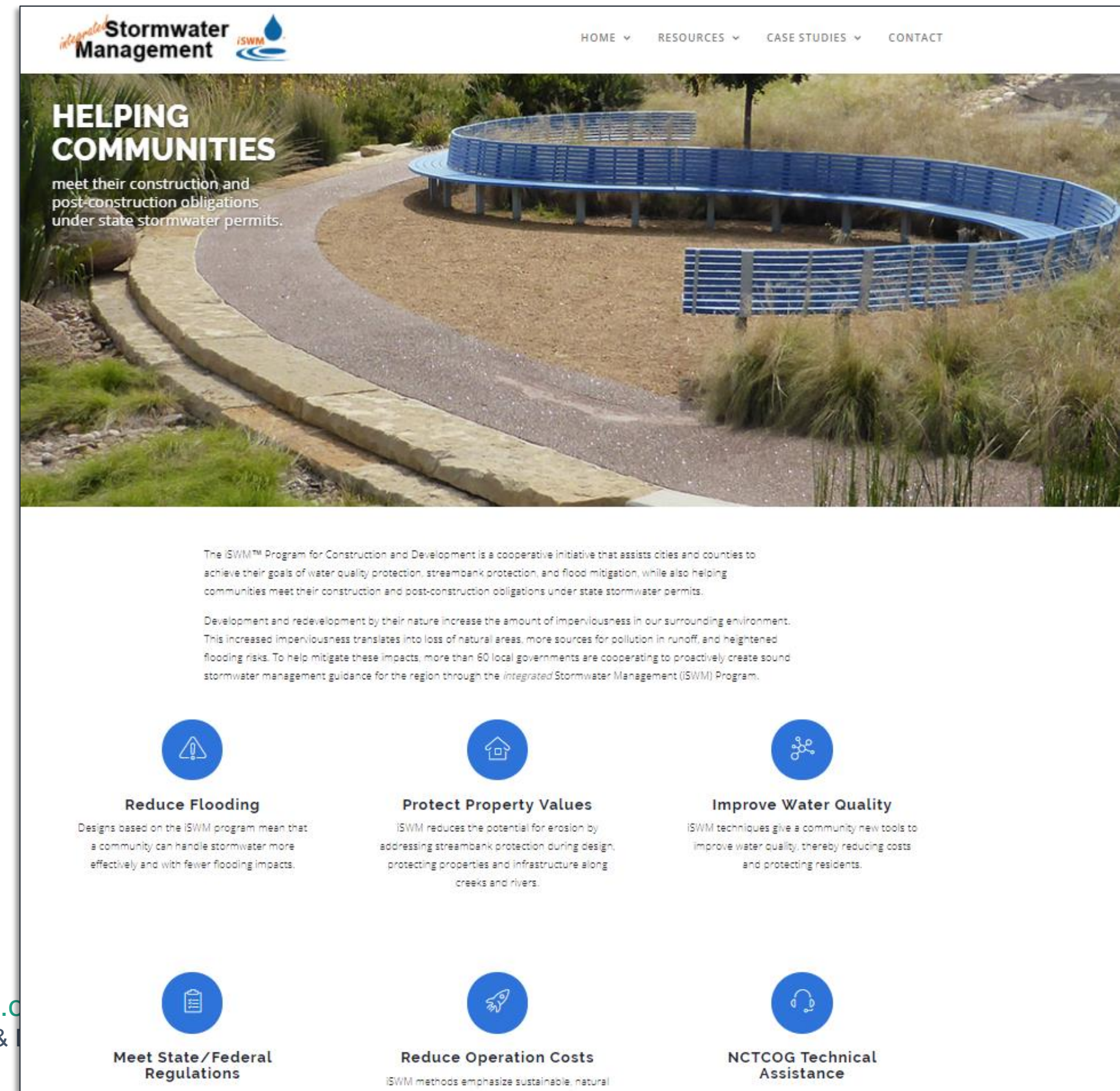
Register now:
www.nctcog.org/envir/

Questions? Contact Derica Peters at
817-695-9217 dpeters@nctcog.org



iSWM Webpage Update

- See draft website update
- Send all feedback to Derica by April 23rd
- New website to be shown revealed at Public Works Roundup May 23rd



Final Vote on Task Order #2 – Halff

- 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.**

Final Vote on Task Order #2 – Halff

- Today: Final vote on Task Order
- Next: Task Order goes to Public Works Council for formal approval in May
- Work Authorization is signed in May

*Do we have a motion to approve the
Task Order #2?*

Permittee Responsible Mitigation (PRM) Database

- Web-based map and database
- Developers/mitigation bankers seeking opportunity to improve streams, wetland, and aquatic/riparian conditions in lieu of mitigation bank credits

Steps:

1. Cities (or private property owners) with impaired* streams and wetland will input information into map
2. Responsible party that is seeking off-site mitigation opportunity (mitigation banker/developer/consulting engineer) searches for projects in their HUC-8 watershed & ecoregion
3. View any inputs and photos input by city
4. Performs preliminary review “TXRAM” to see if project will lead to appropriate “lift”
5. Developer then goes through USACE permitting process

Permittee Responsible Mitigation (PRM)

1. Contact Info
2. Location marked on map
3. Google Maps location
4. Land use type
5. Desktop Analysis - Delineation of Waters of the U.S.
 - Has a desktop delineation been performed?
 - If Yes –Waters of the U.S.?
6. Property Ownership:
 - Property owner
 - Any and all known easements, encumbrances, liens, and/or mortgages
7. Photos of location
8. Aquatic asset type: stream segment, riparian area, wetland (option to check all 3)
9. Stream type and function (provide definition of each from USACE)
 - Intermittent, perennial, ephemeral
10. Opportunity for creating ecological lift (ecological benefit of restoration or enhancement work):
 - Stream channel work
 - Stream riparian work
 - Wetland restoration
 - Wetland enhancement

Post-Construction Stormwater Management

Challenges

1. -Adopting a post-construction ordinance
2. -Enforcing Operations and Maintenance Plans
3. -Training inspectors on BMPs

Proposed Resources

- Develop Ordinance Template – to be reviewed and endorsed RSWMCC**
- Utilize existing iSWM resources and checklists
- Compile Inspection checklists & forms in a webpage: O&M Plans, Inspection Forms, BMP Maintenance Guidance, Communications Materials
- Continue to host **training** – proposed Fall 2018: Pollution Prevention During Construction, bioswale training, Dr. Hunt and Dr. Lord Post-Construction Maintenance Training, TX AgriLife and Dr. Jabber
- Halff and TetraTech compilation of post-construction strategies

Upcoming NCTCOG Training & Meetings

State Flood Assessment - North Central Texas Meeting

April 17th 10:00 am NCTCOG Offices

iSWM Implementation Workshop

April 27th 2:00pm Halff Offices

Next iSWM Meeting

July 11 , 2018 NCTCOG offices



www.nctcog.org
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Other Updates

Three goals drive the effort to create the first **State Flood Assessment**, a forthcoming report by the Texas Water Development Board:

1. assess risks and roles;
2. estimate flood mitigation costs;
3. determine the future of flood planning in Texas.

More info can be found at : www.texasfloodassessment.com

Regional Workshop

April 17th – 10:00am – 12:00pm – NCTCOG Offices

The workshop agenda will include: • opening remarks; • an overview of the flood assessment timeline and highlights of early survey results; and • workstations to gather feedback and engage floodplain administrators on the topics of flood risk assessment, flood mitigation, and the future of flood planning in Texas. -To **RSVP** go to: www.texasfloodassessment.com/calendar/

TWDB contact: Mindy Conyers, Ph.D., State Flood Plan Coordinator

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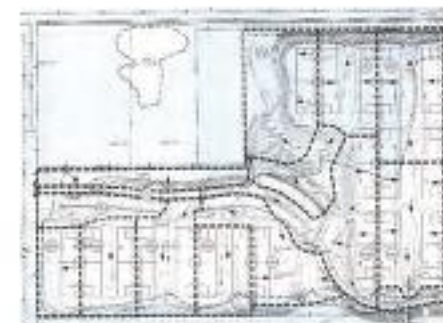
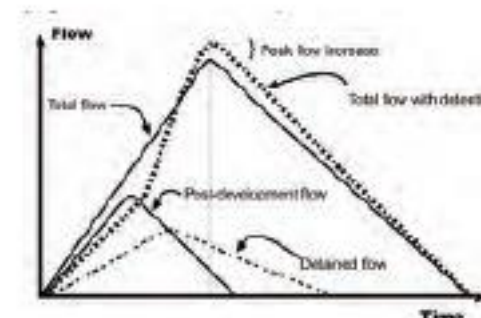


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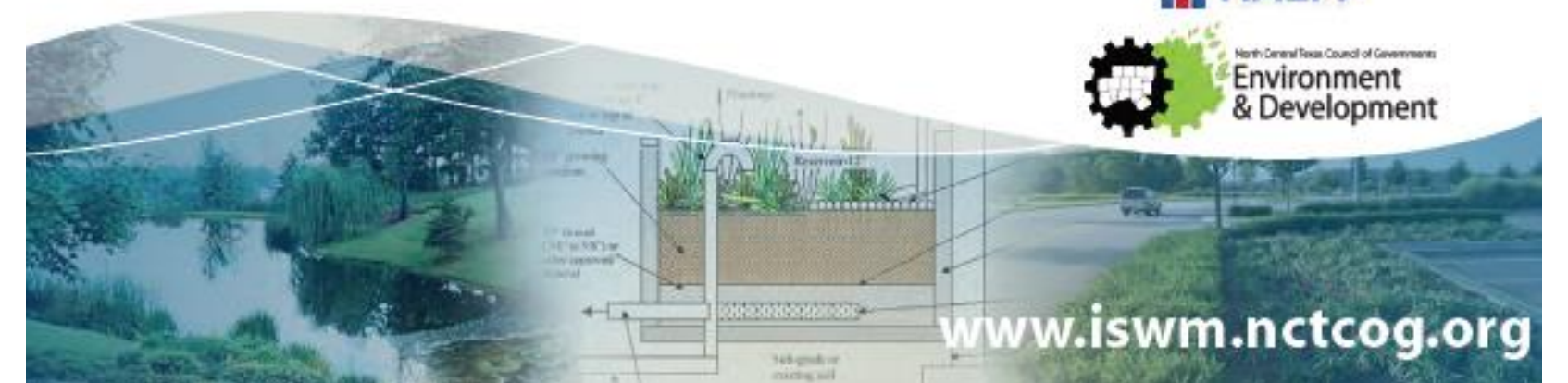


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Upcoming Events and Conferences

Texas Water

San Antonio - April 23-26, 2018

TCEQ Environmental Trade Fair and Conference (ETFC)

Austin - May 15-16, 2018

StormCon

Denver, CO - August 13-15, 2018

EPA Region 6 Stormwater Conference

Albuquerque, NM – August 19-23, 2018



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Roundtable Discussion

NOW, IT'S YOUR TURN...

