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# Texas Water Technology Roadmap Forum

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A Water Technology Roadmap Forum Facilitated through  
an Interdisciplinary and Multi-Stakeholder “Charrette”

Organized by:

**The Meadows Center for Water and the Environment &  
STAR Park at Texas State University**

**AccelerateH2O – Texas Water Technology Accelerator**

**The Water Institute of Texas**

**and**

**The National Science Foundation Research Coordination Network on Climate, Energy,  
Environment and Engagement in Semiarid Regions**

Underwriting Sponsor

**The Wells Fargo Foundation**

Co-Sponsors

**The Meadows Foundation**

**The Texas Research and Technology Foundation**

Location and Date:

**[The University of Texas at San Antonio \(UTSA\) – Downtown Campus](#)**

**Durango Building, Southwest Room**

**501 West Cesar Chavez Blvd., San Antonio, TX 78207**

**[Parking: Lot D3](#)**

**Coffee - registration - networking: 8:00 AM to 8:45 AM**

**Forum: 9:00 AM to 4:00 PM**

**February 25, 2015**

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# Texas Water Technology Roadmap Forum

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## Input Sheets

Please take time before the Forum to answer the following questions and complete the input sheets

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The following input sheets are for you to organize your thoughts prior to the forum. Each set of sheets corresponds to a charrette session listed on the agenda. Completing these input sheets ahead of time will allow you to participate most fully in the charrette. This input provides the basis of our discussions during the charrette and the successful completion of each session.

At the end of the forum we will collect the sheets to ensure your ideas are incorporated into the final forum product.

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Please bring completed sheets with you to the Forum

CHARRETTE INPUT SHEET NO. 1:  
Documenting Hats, Drivers, Expectations, and Initial Baselines

What "Hats" are you wearing today?

Please list all the different "hats" that you are wearing today for this forum. In other words, what roles will you play, what perspectives will you have, and/or what points of view will you represent, toward the topics that will be addressed at this forum?

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What "Drivers" brought you here today?

Please list all the different "drivers" that brought you here today for this forum. In other words, what prompted or motivated you to attend this forum?

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What "Expectations" do you have for this forum?

Please list all the different expectations you have for this forum. In other words, what specific outcomes or results do you want to accomplish that will make you satisfied or happy that you participated?

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I Like, Like...

Please take a moment to tell us what do you **like** most about the potential development of a **Texas Water Technologies Roadmap**. What do you like about it from your individual personal point of view? What do you like about it from your professional point of view? What do you like about it from the point of view of the organization you represent?

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“Genie Wishes” (Aspirations)

If you had a **“Genie in a Bottle.”** what **wishes at broad or specific levels would you make**, if you could, to ensure the full development of a **Texas Water Technologies Roadmap**? What would you wish from your individual personal point of view? What would you wish from your professional point of view? What would you wish from the point of view of the organization you represent?

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“Magic Wand” (Changes)

If you had **“Harry Potter’s Magic Wand.”** what **changes at broad or specific levels would you make**, if you could, to ensure the full development of a **Texas Water Technologies Roadmap**? What would you change from your professional point of view? What would you wish from the point of view of the organization you represent?

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CHARRETTE INPUT SHEET NO. 2:  
Input Sheet for Breakout Group Discussions Round 1

Breakout Group Discussion Topic (Please check one)

- |  |   |
|--|---|
| <input type="checkbox"/> Sources of Water                                  | <input type="checkbox"/> Transportation/Delivery of Water |
| <input type="checkbox"/> Use of Water (Agriculture, Industrial, and Other) | <input type="checkbox"/> Enabling Technologies            |

**EXISTING TECHNOLOGIES**

Please list as many ideas, suggestions, and recommendations as you can for the types of **existing technologies** related to this Breakout Group Discussion Topic that should be included within the development of a potential ***Texas Water Technologies Roadmap (TWTR)***.

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**EMERGING TECHNOLOGIES**

Please list as many ideas, suggestions, and recommendations as you can for the types of **emerging technologies** related to this Breakout Group Discussion Topic that should be included within the development of a potential ***TWTR***.

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**BREAKTHROUGH, REVOLUTIONARY, AND DISRUPTIVE TECHNOLOGIES**

Please list as many ideas, suggestions, and recommendations as you can for the types of **breakthrough, revolutionary, and disruptive technologies** related to this Breakout Group Discussion Topic that should be included within the development of a potential ***TWTR***.

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**OPPORTUNITIES** that a possible TWTR might attempt to **REALIZE**?  
Please list as many ideas, suggestions, and recommendations as you can for the types of **opportunities** that you would like to see addressed by the roadmap.

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**ASPIRATIONS** that a possible TWTR might attempt to **FULFILL**?  
Please list as many ideas, suggestions, and recommendations as you can for the types of **aspirations** that you would like to see addressed by the roadmap.

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**OTHER ISSUES**  
Please list as many ideas, suggestions, and recommendations as you can for any **other issues** that you would like to see addressed by the roadmap.

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CHARRETTE INPUT SHEET NO. 3:  
Input Sheet for Breakout Group Discussions Round 2

Breakout Group Discussion Topic (Please check one)

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|--|---|
| <input type="checkbox"/> Sources of Water                                  | <input type="checkbox"/> Transportation/Delivery of Water |
| <input type="checkbox"/> Use of Water (Agriculture, Industrial, and Other) | <input type="checkbox"/> Enabling Technologies            |

**EXISTING TECHNOLOGIES**

Please list as many ideas, suggestions, and recommendations as you can for the types of **existing technologies** related to this Breakout Group Discussion Topic that should be included within the development of a potential ***Texas Water Technologies Roadmap (TWTR)***.

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**EMERGING TECHNOLOGIES**

Please list as many ideas, suggestions, and recommendations as you can for the types of **emerging technologies** related to this Breakout Group Discussion Topic that should be included within the development of a potential ***TWTR***.

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**BREAKTHROUGH, REVOLUTIONARY, AND DISRUPTIVE TECHNOLOGIES**

Please list as many ideas, suggestions, and recommendations as you can for the types of **breakthrough, revolutionary, and disruptive technologies** related to this Breakout Group Discussion Topic that should be included within the development of a potential ***TWTR***.

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**OPPORTUNITIES** that a possible TWTR might attempt to **REALIZE**?  
Please list as many ideas, suggestions, and recommendations as you can for the types of **opportunities** that you would like to see addressed by the roadmap.

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**ASPIRATIONS** that a possible TWTR might attempt to **FULFILL**?  
Please list as many ideas, suggestions, and recommendations as you can for the types of **aspirations** that you would like to see addressed by the roadmap.

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**OTHER ISSUES**  
Please list as many ideas, suggestions, and recommendations as you can for any **other issues** that you would like to see addressed by the roadmap.

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When (i.e., target date for completion of the tasks)?

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Where (i.e., location for the execution of the tasks)?

Metrics (i.e., how will progress be measured)?

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**Assumptions and Expectations**

Please list any assumptions, and any expectations associated with the strategic goal and this tactical objective.

Assumptions: \_\_\_\_\_

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Expectations: \_\_\_\_\_

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**Wants, Needs, Do's, and Don'ts**

Please list any wants and needs, and any do's and don'ts associated with the strategic goal and this tactical objective.

Wants: \_\_\_\_\_

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Needs: \_\_\_\_\_

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Do's: \_\_\_\_\_

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Don'ts: \_\_\_\_\_

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[Note: Repeat steps B & C, as needed, for additional strategic goals and tactical objectives.]

**D. Commitments**

To ensure achieving the plan of action for the development of a potential **TWTR**, define the commitments that need to be made.

**Personal Commitments**

Please list at least one specific individual commitment to the development of a potential **TWTR**, which you are willing to make from a personal point of view.

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**Institutional Commitment**

Please list at least one specific institutional commitment to the development of a potential **TWTR**, which you are willing to make from an institutional point of view (i.e., the organization you represent).

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**Commitment from Others**

Please list at least one specific commitment to the development of a potential **TWTR**, which you would like to see from other individuals or organizations. Please name the individual or the organization, if any, that you would like to see make the commitment.

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CHARRETTE INPUT SHEET NO. 5:  
Reflections on, and Assessment of, the Forum

**"Bugs"**

Please list anything presented and/or discussed at this forum that may still bothers and/or annoys you.

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**"Rants"**

Please list anything presented and/or discussed at this forum that you hate (i.e., *really do not like at all*).

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**"Raves"**

Please list anything presented and/or discussed at this forum that you love (i.e., *really like a lot*).

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**"HUH...?'s"**

Please list any muddy points (i.e., anything that may not be clear) and/or specific questions that might

have been generated by the topics presented and discussed at this forum for which you would like to find an answer.

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**"AHA...!'s"**

Please list any specific *insights*, *revelations*, or *lessons learned* that might have been generated by the topics presented and discussed at this forum, which you will take away with you.

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**Grade**

On a scale of 1 to 10, with 1 being the worst and 10 being the best, what grade would you give to this forum?

<b>Worst</b>											<b>Best</b>
1	2	3	4	5	6	7	8	9	10		

**Perfection**

If the grade you gave is not 10, what could/should/might/must be done to make it a 10?

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