



Control Number: 55421



Item Number: 26

RECEIVED
2023 SEP 27 PM 3:39
PUBLIC UTILITY COMMISSION
FILING CLERK

Texas Advanced Nuclear
Reactor Working Group
PUC Project #55421

Informational Discussion

Jimmy Glotfelty
Commissioner
Public Utility Commission of Texas



Texas Advanced Nuclear Reactor Working Group Project Goals:



- Study technological advances in nuclear energy production, particularly regarding the safety of all Texans.
- Map the State's role in deploying and using advanced nuclear reactors.
- Identify existing and potential federal and state incentives.
- Determine nuclear-specific changes needed in the ERCOT market.
- Identify any specific federal and state regulatory impediments to development.
- Consider possibilities for the State to streamline and accelerate permitting through the Nuclear Regulatory Commission.
- Encourage development of a robust supply chain.



Working Group Members - Sectors

| Sector | |
|-------------------|----------------------------------|
| Industrial | State Government |
| Electric System | Local Government |
| Higher Education | Supply Chain |
| Nuclear Knowledge | End Users – Chips – Data Centers |
| Construction | Financial |
| Nuclear Knowledge | Economic Development / Workforce |
| SMR Companies | Oil / Gas |



Working Group Structure



Preliminary Working Group Timeline



| | Sept / Oct | Nov / Dec | Jan / Feb | Mar / April | May / June | July / Aug | Sept / Oct | Nov / Dec |
|---------------------------------|------------|-----------|-----------|-------------|------------|------------|------------|-----------|
| Name Task Force Members | X | | | | | | | |
| First Meeting | X | | | | | | | |
| Review Workplan | X | | | | | | | |
| Develop Survey of Views | X | | | | | | | |
| Outline Work Tasks | X | X | | | | | | |
| Public Meetings | X | X | X | X | | | | |
| File Meeting Summaries | X | X | X | X | X | | | |
| Develop Draft Report | | | | | X | X | | |
| Finalize Recommendations | | | | | | X | X | |
| Public Meeting to Discuss Recs. | | | | | | | X | |
| Present Report to Governor | | | | | | | | X |



Preliminary Public Meeting Timeline

| Meetings | October | November | December | January | February | March | April |
|-------------------------------------|---------|----------|----------|---------|----------|-------|-------|
| SMR Company Presentations | X | | | | | | |
| Texas Supply Chain | X | | | | | | |
| Community Involvement | | X | | | | | |
| State Funding Ideas / Possibilities | | X | | | | | |
| University / R&D Role | | X | | | | | |
| High Technology use for Nuclear | | | X | | | | |
| Oil and Gas use for Nuclear | | | X | | | | |
| Industrial Uses for Nuclear | | | | X | | | |
| Discussion on Texas Sites | | | | X | | | |
| Environmental Discussion | | | | | X | | |
| State Law / ERCOT Changes | | | | | X | X | |
| Meeting with House and Senate | | | | | | X | |
| Discuss Federal Incentives | | | | | | | X |



General Thoughts on Meetings

| Initiative | To Do's |
|---|--|
| All Meetings Broadcast | Texas Admin is set up |
| All Presentations filed in Docket 55421 | On Going |
| All Meetings in Austin at PUC | Reserve Hearing room |
| Name Tags / Tents Needed | Support staff to help |
| Public Comment at all meetings | Yes, they are conversational workshops |
| Are there formal Invites / Agendas | They will be filed and sent to email group |

PUC Staff Support for the Working Group



- PUC Team
 - Jimmy Glotfelty
 - VA Stephens – Project Management
 - Ramya Ramaswamy – Market Analysis
 - Rich Parsons - Communications
 - Mike Hoke – Public Outreach
 - Jess Heck/Brooke Camet – Legislative Outreach



Initial Major Questions to Answer

Is Texas willing to put forth financial resources to attract a SMR? Is HB 5 enough? What other resources?

How do we incent industry to invest in SMR technologies?

Should the Texas electricity market be modified to promote SMR's and other dispatchable resources?

Will/could the Texas Power Program help attract SMR's?

Can Texas permit a site and transfer it at a later date?

Should the state consider using state or other public lands (ports/universities) for a site?

What financial resources are needed to attract the nuclear supply chain?

Should Texas develop a plan for 20 SMR's?

What must state agencies do to attract supply chain?

Should the state consider developing a new nuclear development agency? Precedent of Superconducting Super Collider.

How does Texas help bridge the valley between licensing and operation?

What can the Texas federal delegation do to help the state?

What are university roles? Can they build a new reactor?

What legislation is needed or modified for next session?