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## **Mapping Committee Meeting Minutes for March 25, 2022**

Attendees:

**PUC** - Thomas Gleeson, Cindy Guerrero, David Smeltzer, Tom Hunter, Alison Smith, Therese Harris, Rama Singh Rastogi, Komal Patel, Gary Horton, Brady Cox, Shawn Hazard, Chuck Bondurant, Ramya Ramaswamy, Harika Basaran, Gina Smith, Rich Parsons, Iliana DelaFuente

**RRC** – Wei Wang, R J DeSilva, Jason Clark, Edgar Chavez

**TDEM** –Michael Ouimet

**ERCOT** –Bill Blevins

### **Report from Thomas Gleeson, Executive Director, PUC**

- Significant progress has been made on the supply chain map. Gary Horton will have a draft map by next meeting
- Reach out to legislative offices to see the work that has been done so far

### **Project Team Updates**

#### **Communications Team – Rich Parsons**

No update

#### **Critical Facilities Team – David Smeltzer**

No update

#### **Database Team – Gina Smith**

No update

#### **Report Team – Tom Hunter**

No update

#### **Weatherization Team – Harika Basaran**

New rule to be adopted end of October

#### **Mapping Team – Therese Harris**

Significant progress had been made on the electricity supply chain map. Updates continue to be made both in mapping electric infrastructure and in mapping natural gas infrastructure critical to the supply of natural gas to natural gas dependent generating facilities.

#### **Ongoing PUCT work includes:**

1. Data preparation (comparing data from multiple sources and compiling it, into a single, reliable dataset for preparation for inclusion in the electricity supply chain

map). Recent focus has been on multiple levels of emergency contact information (24X7, primary and secondary contact names, phone numbers, and email addresses).

2. Building the geodatabase maintained by the PUCT to include the physical location of generating facilities, substations, and electric transmission and distribution lines which end users will be able to view on a map, and the necessary attribute data to ensure that the electricity supply chain map can be easily used and understood by the end users in emergencies.
3. Refine data. Generation facilities, transmission, and substation information was received from EPE and ETI to confirm and add to information from third party sources.
4. GIS staff has made steady progress incorporating the distribution level data needed to connect the critical infrastructure sources to the electricity supply chain into the map. Preparation and cleanup of the data is underway.
5. Work continues to add layers to the online map viewer. Layers include TDEM region and district layers, transmission lines, substations, electric generating facilities, distribution line data, electric service area boundaries, radar imagery and USA weather watches and warnings. The RRC provided natural gas pipelines, natural gas compressor stations, natural gas processing plants, and underground storage information the second week of April.

#### **Ongoing RRC work includes:**

1. Multiple data requests to inform identification of critical infrastructure sources that are a part of the electricity supply chain.
2. Work continues to connect identified critical infrastructure sources to natural gas dependent generating facilities in the ERCOT power region.
3. Build data tables for the infrastructure sources to be included in the geodatabase maintained by the PUCT.
4. Work to complete multiple critical natural gas facility layers for example, saltwater disposal wells, and oil leases, and gas wells.

**ERCOT** - ERCOT provided 24/7 contact information for the transmission system. This information is being incorporated into the PUCT's geodatabase and will be shown on the map viewer.

**TDEM** – Representatives from PUCT and RRC mapping team continue to meet with TDEM staff, Michael Ouimet, and the PUCT's representative to the SOC, Shawn Hazard, to gauge their feedback on the draft map from an end user perspective. The goal is to ensure that the map meets the needs of the end user during emergencies.

#### **Activities for Q2 2022**

1. Continue to build out the geodatabase. Continue work to identify and fill gaps in geodatabase.
2. Continue to share datasets between RRC, PUCT, ERCOT, and TDEM. This is a current work activity.

3. Continue the conversation with TDEM, PUCT, and RRC staff that are activated to the SOC during emergencies to determine what information is essential to include in the attribute tables of the critical infrastructure in the electricity supply chain. Incorporate feedback into the electricity supply chain map. Meetings in March and April have provided actionable feedback.
4. Refine data. Information was sought from SPP to confirm generation and transmission information in SPP's Texas territory. Waiting provision of requested information.
5. After natural gas pipeline operator and natural gas supplier information is received from RRC to augment information provided by ERCOT, this information will be added to the attribute table for natural gas generation facilities.
6. As critical infrastructure sources continue to be identified by RRC, the mapping team will continue to request specific distribution level data related to the identified critical infrastructure sources from the utilities.
7. Continue to connect critical infrastructure sources identified by the RRC to the electricity supply chain via the relevant electric distribution level infrastructure information collected from electric utilities.
8. Testing of draft map.

## **Observations**

The RRC continues to identify the critical infrastructure sources (natural gas production wells, natural gas processing facilities, compressor stations etc.) that are a part of the electricity supply chain. While these critical infrastructure sources can then be mapped, they will not be connected to the electricity supply chain until the Committee obtains and maps the electric distribution level infrastructure that serves these critical infrastructure sources. Because the Committee does not currently have electric utility distribution level data for infrastructure sources yet to be identified by the RRC, the Committee will continue to request this information from the electric utilities that serve the critical infrastructure sources.

Response from the electric utilities has been favorable. In some cases, the electric utilities have provided distribution level data for critical infrastructure sources in addition to the request from the Committee. In other cases, the request lacked the specific identifying information the electric utilities need to provide the distribution level data. Much time has been spent and will continue to be spent working with the electric utilities to ensure that the data needed is provided in a format that can be used by the Committee in the electricity supply chain map.

## **Conclusion**

Next meeting will be scheduled for April 29, 2022