Control Number: 32182

Item Number: 18

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Questions for workshop in Project 32182

1. If your company provided service in the areas affected by Hurricane Rita, Please provide your Company specific information on the number of customers affected, the minimum, maximum and average outage duration for the customers affected.

   Minimum time off: 19 minutes
   Maximum time off: 75 hours
   Average time off: 27 hours 24 minutes

2. Please provide information on additional non-company resources deployed in the area for the restoration effort.

   Received help from three agencies:

Agency	Men	Trucks	Cost	Hours
Harris Line Service			$43,793.62	1,774
Grayson Collins EC	11	6	$26,027.87	1,287
Trinity Valley EC	6	4	$17,173.04	348
Total	17	10	$86,994.53	3,409

3. Please provide information on the types and physical quantity of facilities affected by the hurricane in your service area.
   a) What percent of those facilities were replaced using existing inventory, 100%
   b) What percent of those facilities had to be newly procured? 0%
   c) Are the facilities replace meet the existing standards or exceed the standards to ensure surviability in the event of another hurricane of category 4 or higher? Meet existing standards

4. What lessons were learned in the process that would improve restoral time or reduce cost or restoral in the future?

   No improvements were noted after this storm

5. What, if any, additional costs would be associated with improvements from lessons learned identified above? To what degree, if any, might they be offset by more timely restoral of services?

   See answer to question four

6. How might your company's physical infrastructure be modified or replaced to enhance its ability to withstand severe hurricanes?

   The damaged that Rusk County Electric Cooperative experienced although due to the wind was caused by trees falling on lines and equipment. To change this would require the Cooperative to dramatically increase it's right-of-way limits.

7. How does the cost of the modifications and replacement identified above compare with that of replacing storm-damaged infrastructure in the past?

   This is not a viable solution. This solution would require the purchase or procurement of additional right-of-way limits which is impractical.

8. Has your company modified the planning, engineering and construction practices since Hurricane Rita for deploying facilities in the Texas Gulf coast region, if so how, please provide details.

Rusk County Electric Cooperative does not serve in the Gulf Coast region

9. How should the cost identified in the responses to the previous questions be recovered? Should the cost be recovered from general body of ratepayers, from the ratepayers in the affected areas, or from some other source?

From the ratepayers of the system making the changes.

10. What changed in depreciation practices are appropriate?

None

11. Should utility standards of construction the coastal area be upgraded? Has your company provided input or planning to participate in the activities of standard setting organizations? If so provide details.

Rusk County Electric Cooperative does not serve in the Gulf Coast region

Please respond to the following questions if your company sustained more that minimal damage from Hurricane Rita.

1. Please provide the following information regarding transmission lines damaged by Hurricane Rita.

   Total number of lines in the system and the number of lines sustaining damage
   Rusk County Electric Cooperative had no transmission lines damaged by the hurricane.

   Total number of structures in each type before the hurricane and the number of structures repaired or replaced by voltage class.
   Wood single-pole
   Wood (other)
   Steel singe-pole
   Steel lattice
   Steel (other)
   Concrete single-pole
   Concrete (other)

   Total number of feet/miles of conductor and amount repaired and amount replace by voltage class

2. Please provide the following information regarding distribution lines (feeders) damaged by Hurricane Rita.

   Total number of lines in the system and the number of lines sustaining damage

   Total number of structures in each type before the hurricane and the number of structures repaired or replaced by voltage class

Structure	Total	Repaired
Wood single-pole	59.444	39
Wood (other)	0	0
Steel single-pole	0	0
Steel lattice	0	0
Steel (other)	0	0
Concrete single-pole	4	0
Concrete (other)	0	0

   Total number of feet/miles of conductor and amount repaired and amount replace by voltage class

Conductor	Total	Repaired	Replaced
Primary	20,589,139 Feet	0 Feet	1,552 Feet

3. Please provide the following information regarding transmission only substations damaged by Hurricane Rita.

Number of substations sustaining damage and total number of substations in system

Rusk County Electric Cooperative had no transmission only substations damaged by the hurricane.

Number of substations sustaining control house damage due to:
Flooding
Wind
Flying debris
Other

Number of substations sustaining damage to other equipment (including underground wiring) due to:
Flooding
Wind
Flying debris
Other

4. Please provide the following information regarding distribution substations damaged by Hurricane Rita.

Number of substations sustaining damage and total number of substations in system

Rusk County Electric Cooperative had no distributions damaged by the hurricane.

Number of substations sustaining control house damage due to:
Flooding
Wind
Flying debris
Other

Number of substations sustaining damage to other equipment (including underground wiring) due to:
Flooding
Wind
Flying debris
Other

5. Please provide the number of distribution substations that were:

Unable to serve load due to damage to the station from Hurricane Rita.

Zero

Unable to serve load solely because of transmission line outage from Hurricane Rita.

One

6. Please describe the extent of any damage sustained by each utiltiy power plant (if applicable).

Not Applicable

7. Please describe any damage sustained by the transmission/distribution control center.

   No damage sustained

8. Please describe any damage sustained by the communication system (voice and data) that impacted the restoration after the storm.

   Wind damage to a 400 MHz UHF antenna mounted on the top of a 400 foot tower. No damage to the tower. The wind damage consisted of moving the antenna from a vertical position to a skewed position of approximately 80 degree off the horizonal. This did not cause the Cooperative to loose communication but did degrade the coverage.