

Gulf Power 2004 -'05 Hurricane Experiences

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Gulf Power Company

Who We Are

- **Miles of Distribution Line**

- 6,473 of overhead
- 1,026 of underground
- Transformers: 139,000
- Cutouts: 162,000
- Arresters: 187,000

- **Size of the Company**

- 7,400 square miles
- 10 counties
- 71 towns and communities
- 249,800 T and D poles at year-end 2005
- Serving: Northwest Florida
- Part of the Southern Company

PURPOSE

Gulf Power Company's Storm Recovery Plan establishes a plan of action to be utilized for the restoration of generation, transmission, and distribution facilities during major disasters. Such disasters are hurricanes, tornadoes, and storms that could cause widespread outages to our customers.

Intangibles

Make the Difference

- **Set Realistic Expectations**
- **Employees on a mission**
- **Communicate, Communicate, Communicate**
- **Care — We restore hope**

Destruction to overhead lines, Pensacola Beach



2004 – 2005 Hurricane Seasons

What We Experienced

- Damage to our system
 - Transmission
 - Substation
 - Distribution

2004 – 2005 Hurricane Season

What Caused the Damage

- Trees
- Wind
- Storm Surge
- Debris
- Debris Removal vehicles
- Customers

Underground and Under sand



3 Phase Transformer





Downed Utility Pole with broken Primary and Secondary wiring, broken insulators and cutout, and destroyed transformer. Much of the destruction received to lines and equipment were due to fallen trees.



SEP 20 2004

Foreground: Destroyed Voltage Regular assembly including platform, bypass switches, regulators, and broken poles.



Regulator platform bracing



Regulator platform bracing Perdido Key



Close up of bracing



What is working well with Storm Restoration?

- Safety
- Proactive communications
- Timeliness of restoration
- Sense of urgency – employee commitment
- Continuous improvements (with practice)
- Decentralized restoration efforts

Wedge clamp service pull off





Damaged and destroyed meters removed from various beach locations.



Thank You

Questions ?