



at&t

Hurricane Impact: Damage Recovery & Rebuilding / Telecommunications

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AT&T Vision

- To be the only communications and entertainment company our customers will ever want

Damage

- Central Offices
 - 11 affected offices
 - 5 totally devastated (6193 customers)
- Facilities
 - Feeder: 204,000 customers affected
 - Distribution: Total customers affected unknown

Damage

- Physical Assets
 - Trucks
 - Test Equipment
 - Tools

Damage – Central Office

Totally Devastated	Customers Affected
Delacroix	173
Lake Catherine	464
Pt-A-La-Hache	609
St Bernard	4557
Yscloskey	390
Total	6193

Damage – Copper Feeder Facilities

Totally Destroyed Cables	Customers Affected
Broadmoor – 18	16,000
Chalmette – 25	24,000
Franklin – 34	45,000
Lake – 27	26,000
Mid City – 31	24,700
Seabrook – 34	44,700
Total	204,400

Copper Footage Affected

1.9M Sheath Feet

Damage – Distribution Facilities

Type	Quantity
Aerial Spans	2,249
Poles	1,622
Distribution Interfaces	744
Pedestals / Terminals	33,000
DLE Remote Terminals	34

Recovery / Rebuilding

- Objectives
 - Re-establish service to all customers with a greater emphasis on First Responders and essential personnel

Recovery / Rebuilding

- Priorities
 - First Responders and essential personnel
 - Wireless providers
 - Businesses and neighborhoods based on upon governmental direction and repopulation

Recovery / Rebuilding Strategy

- First Responders and Essential Personnel
 - Establish liaisons with First Responders and essential personnel to determine communication needs
- Wireless
 - Establish dedicated teams to re-establish wireless service

Recovery / Rebuilding Strategy

- Businesses and Neighborhoods
 - Utilize Allocation Area maps and calculate total service orders and troubles to determine rebuild rank Wireless

Recovery / Rebuilding Technology

- Microwave point-to-point
- SLC On Wheels (SOWs)
- Fixed Wireless
- Wireless Broadband
- Reclaimed cable through the use of DaVar test equipment
- Digital Loop Electronics (DLE)

Recovery / Rebuilding Infrastructure

- Feeder route backbone with fiber in all devastated wire centers
- DLE deployed at a level above the 100-year flood plane
- Dual power source (commercial and generator)

Recovery / Rebuilding

What Was Required?

- Resources
 - Added 1400 resources (planners, designers, technicians, managers)
- Network
 - Placed 1.5M linear feet of fiber
 - Placed 1.7M linear feet of copper
 - Built 162 DLE sites by 04.15.2007
 - Placed 35 SOWs
 - Placed 4 Wireless Broadband towers

Recovery / Rebuilding Challenges

- Hurricane
- Flooding
- Access to network
- Right Of Way (ROW)
- Public sentiment

The Future

- Complete Feeder network rebuild by third quarter 2007
- Synchronize Distribution network rebuild with repopulation and governmental direction
- New Orleans will have one of the most advanced technologically based infrastructure in the United States to handle the basic needs of our customers and will serve as an incubator for advanced services