Hurricane Katrina

A Southern Company Perspective
Southern Company

4 Operating Companies
APC, GPC, GULF, MPC

4,248,000 Customers

120,000 Square Miles in 4 States

40,000 MWs of Generation Capacity

143,000 Overhead Distribution Circuit Miles

Rebuilding Hope Together
Mississippi Power

195,000 Customers (Pre-Katrina)

Provides service to 23 Counties

3,150 MWs of Generation Capacity

2,000 Miles of Transmission

6,000 Miles Overhead Distribution

Rebuilding Hope Together
2005 Hurricane Preparation

• Identification and layout of major staging areas
• Prioritization of areas of control
• Identification of resource needs for each substation and feeder
• Signed contract with logistics firm
Key Decisions – prior to storm

• Commitments to:
  – Resources, Material/Fuel, Logistics

• Relocation of critical functions to back up locations
  – Storm Center, Control Centers, Customer Service Center

• Communication to public, local, state, and federal officials

Rebuilding Hope Together
Electric Service
Day One

• No service

• 65% of T&D facilities damaged
  – 1,000 miles of line down
  – 300 transmission structures
    (47 - 230 kV Structures)
  – 9,000 distribution poles

• 3% of 3,150MW of capacity available

• 6 units at Plant Watson and Unit 5 cooling
tower damaged
Office Facilities & Communications

Day One

- All corporate office space (140,000 sq. ft.)
- No telephone service
- No cellular service
- SouthernLINC Wireless had a heartbeat

Rebuilding Hope Together
Critical Issues
Day One

• Re-establish communications
• Manage and supply a 12,000 person workforce - Be safe
• Find our employees and help them deal with personal losses
• Don’t let anyone or anything stand in the way of results
• Find and deliver fuel

Rebuilding Hope Together
Employees

Reporting for Duty

Unaccounted

Day 1  Day 2  Day 3  Day 4  Day 5  Day 6

-  100  24  6  2  0

Rebuilding Hope Together
Plant Watson

16 Million Gallons of Oil/Saltwater/Caustic/Acid filled the 1st Floor = 20 ft.
SouthernLinc Site

Waterline

Rebuilding Hope Together
August 29
Day 0
Restoration Challenges

<table>
<thead>
<tr>
<th>Days of Restoration</th>
<th>Outside Resources</th>
<th>MPC Resources</th>
<th># Customers Restored</th>
<th>% Restored</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2,973</td>
<td>2,973</td>
<td>2,973</td>
<td>.3%</td>
</tr>
<tr>
<td>3</td>
<td>6,084</td>
<td>6,084</td>
<td>6,084</td>
<td>16%</td>
</tr>
<tr>
<td>6</td>
<td>9,581</td>
<td>9,581</td>
<td>9,581</td>
<td>45%</td>
</tr>
<tr>
<td>9</td>
<td>12,107</td>
<td>12,107</td>
<td>12,107</td>
<td>75%</td>
</tr>
<tr>
<td>12</td>
<td>6,583</td>
<td>6,583</td>
<td>6,583</td>
<td>100%</td>
</tr>
</tbody>
</table>

Total peak outside personnel: 10,837
Logistics & Supply Chain

- Total Staging Sites – 30
- Meals served - 32,500 peak
- Transportation - 65 buses peak
- Laundry - handled > 100,000 lbs.
- Fuel - 140,000 gallons peak
- Warehouse - 60 tractor trailers received in one 24 hour period
- Assisted Co-Ops with logistics
Safety

- No fatalities
- 9 Recordable injuries
- 3 Lost time accidents
- 11 Vehicle accidents
## Employee Personal Losses

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homes Destroyed</td>
<td>86</td>
<td>7%</td>
</tr>
<tr>
<td>Homes Flooded</td>
<td>196</td>
<td>16%</td>
</tr>
<tr>
<td>Homes Damaged</td>
<td>441</td>
<td>35%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>721</td>
<td><strong>58%</strong></td>
</tr>
</tbody>
</table>

*Rebuilding Hope Together*
Lessons Learned

• Plan to operate with no communications for at least 48 hours

• Identify 2 alternates for every critical storm assignment

• Reassess and mark all critical customers
Lessons Learned

• Prepare to set up a temporary/mobile emergency operating center
• Prepare for hostilities and civil unrest
• Prepare for substantial employee property losses and family crises
REBUILDING HOPE TOGETHER
Katrina 2005

MISSISSIPPI POWER
A SOUTHERN COMPANY