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Naval Construction Battalion Center Gulfport – Mississippi Power

Partnership Success Story

Utilities Hardening Project



Joe Bosco
May 5, 2009





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Naval Construction Battalion Center

- **Established 1942 - Gulfport**
- **Home of Atlantic Fleet Seabees**
- **Mission: Prepare for & support all facets of the mobilization of construction forces**





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Naval Construction Battalion Center

- **1,100 Acres**
- **9+ MVA; \$3M/yr in Electricity**
- **One of two Battalion Centers in U.S.**
- **Economic Impact - \$500M**





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Mississippi Power Company

- **Headquartered - Gulfport**
- **Subsidiary of Southern Company**
- **Serves 23 counties Southeast Mississippi**
- **192,000 retail customers**
- **Generating capacity: 3,166,192 kW**

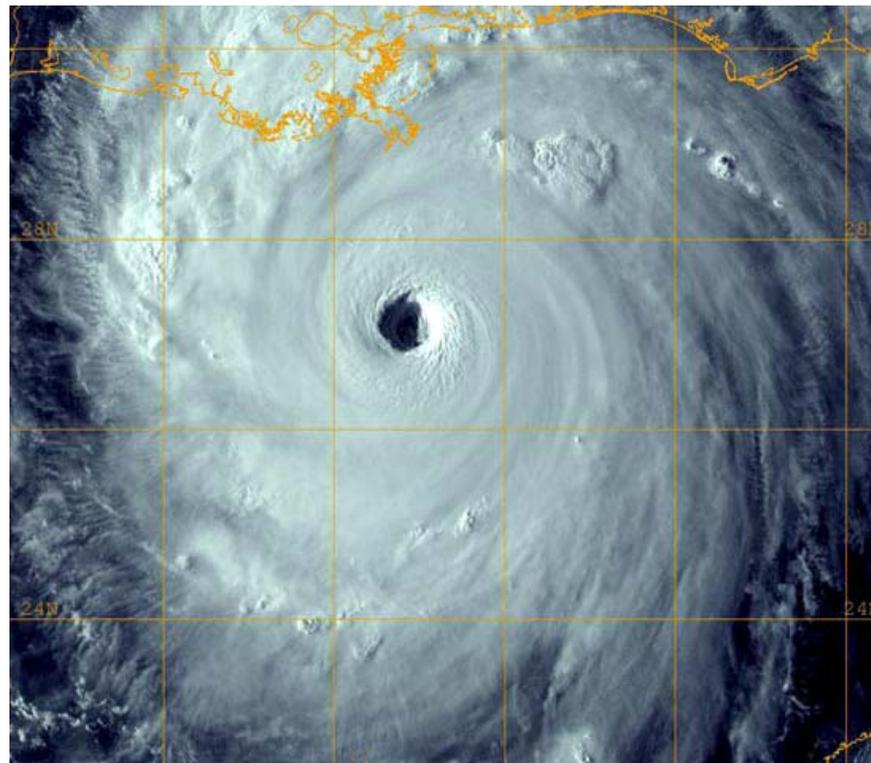




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Hurricane KATRINA





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MPC Infrastructure Damage

- **9,000 broken poles**
- **2,300 damaged transformers**
- **23,500 spans of wire down**
- **# Transmission lines affected - 120**
- **192,000 customers w/o power (100%)**



Photo by Katie Savage

The bridge between Bay St. Louis and Pass Christian became another victim of Hurricane Katrina.





Photo by Katie Savage

Hurricane Katrina floated and then beached Treasure Bay Casino on Biloxi's sandy shores.
The skeletal remains emit an eerie resemblance to a long adrift ghost ship.



Photo by Katie Savage

Line crews swarm downtown Gulfport to complete restoration 12 days after Hurricane Katrina.



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MPC – Federal Hardening Projects

Pre-Katrina:

- **Camp Shelby (Army)**

Post Katrina:

- **CRTC (Air Force)**
- **Stennis Space Center (NASA)**
- **Naval Construction Battalion Center (Navy)**



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NCBC Hardening Project

- **Convert overhead utilities to underground**
 - Approximately 30-40%
- **Electric and communication lines**
- **Distribution study**



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The Team

NAVFAC South East

- Contracting officer
- Project manager
- Engineering design firm

NCBC Gulfport

- PWD
- Base contracting

Mississippi Power

- A/E
- Project manager
- Distribution/Operations department

Power Secure/Utility Engineering



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Steps to Implementation

- Numerous meetings w/ Navy and engineering firm to review SOW
- Prioritize areas for conversion
- Final negotiations
- Contract implementation
- Develop potential Phase II Scope of Work



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Contract Execution - April 2007

GSA Areawide Contract, Exhibit A

Complete MPC project management

Weekly meetings with Base personnel/contractors

Periodic reports to NAVFAC, Contracting & PWD

Projected completion schedule – 2.3 years



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Project Summary

- **\$16M+ project cost**
- **April 07 – July 09**
- **Improved aesthetics**
- **Improved distribution facilities**
- **NCBC's electric distribution system compatible with MPC – improves restoration response time**
- **Improved reliability**



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More Storms...

- **Hurricane Gustav – 9/02/2008**
- **Hurricane Ike – 9/14/2008**





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Ike's Implications

- **MPC customers w/o power – 14,000**
- **So Co crews/contractors assisting Entergy**
- **NCBC – lost total power to Base**



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The Hardening Project

Paul Harrison, P.E. – project manager
MPC, Business & Industry Services

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POWER
A SOUTHERN COMPANY

PRINCIPLES AND BELIEFS

- Safety is a Core Value and is Critical to Our Success
- All Occupational Injuries and Illnesses Can Be Prevented
- Safe Behavior is the Expectation of Every Employee
- We are Responsible and Accountable for our Safety and the Safety of Others
- Employee Ownership is the Foundation of Our Safety Culture

GOING
ZERO

MISSISSIPPI
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NAVAL
FACILITIES
ENGINEERING
COMMAND
SOUTHEASTERN DIVISION



COMING IN AUGUST 2009

UTILITIES HARDENING
UPGRADE UTILITIES SYSTEM

COST: \$16,611,950

NAVAL CONSTRUCTION
BATTALION CENTER
GULFPORT, MS

ARCHITECT:
UTILITY ENGINEERING
WAKE FOREST, NC

CONTRACTOR:
MISSISSIPPI POWER COMPANY
GULFPORT, MS





































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Questions?

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