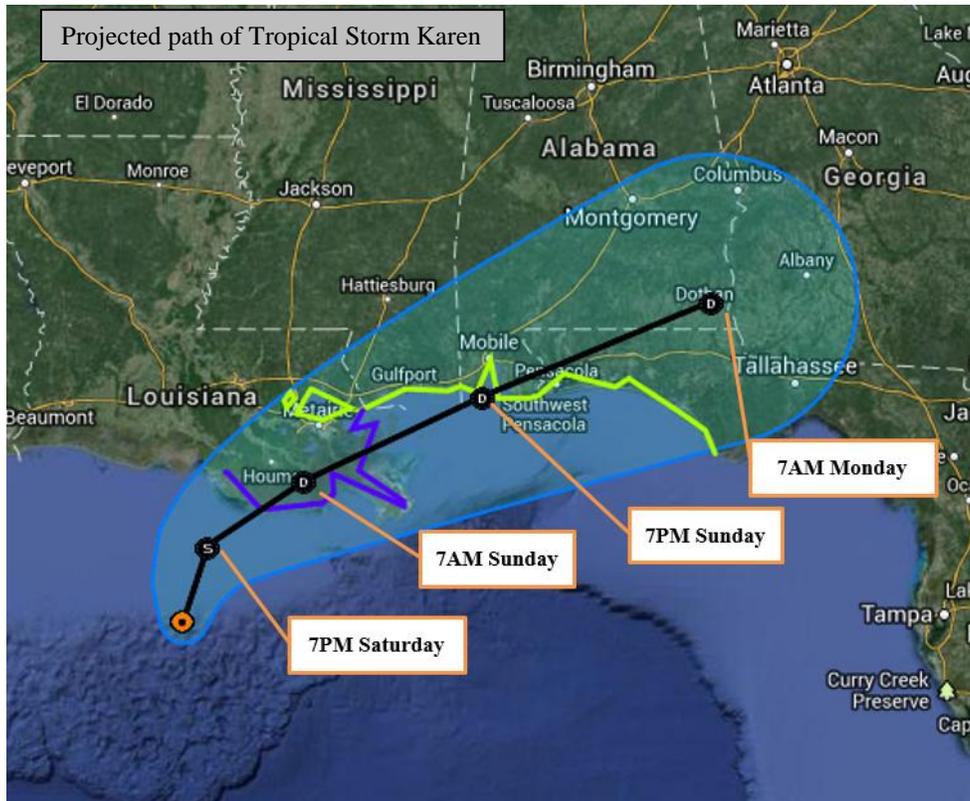




Tropical Storm Karen Situation Report # 2
October 5, 2013 (3:00 PM EDT)

http://www.oe.netl.doe.gov/emergency_sit_rpt.aspx



Source: National Hurricane Center, NOAA

Highlights:

- As of 2:00PM EDT, October 4, Tropical Storm Karen—the eleventh named storm of the 2013 Atlantic Hurricane Season—has been nearly stationary for the last couple of hours, but a motion toward the north is expected to resume later this afternoon. The National Hurricane Service is indicating decreasing wind speeds to 35mph and predicts further weakening. The 5-day forecast predicts landfall with wind speeds of 30-40 mph in Louisiana and less than 30 mph when the storm makes landfall again in Mississippi and Alabama. A turn toward the northeast is expected by tonight, followed by a faster motion toward the east-northeast Sunday night and Monday. On the forecasted track, the center of Karen will move near or over portions of southeastern Louisiana tonight and early Sunday and pass near the coasts of Mississippi and Alabama Sunday and Sunday night.
- A tropical storm warning is in effect for the area from Morgan City, Louisiana to the mouth of the Pearl River. A tropical storm watch is in effect for Metropolitan New Orleans, Lake Maurepas, Lake Pontchartrain, and from east of the mouth of the Pearl River to Indian Pass, Florida. The hurricane watch has been lifted.
- Storm surges of up to three feet are predicted in some areas.
- As of 3:00PM EDT, October 5, Alabama, Louisiana, and Mississippi have issued state-wide state of emergency declarations. Florida has issued state of emergency declarations in 18 pan-handle



counties. Alabama, Florida, Louisiana, and Mississippi have activated their State National Guards in preparation for the storm.

- As of 3:00PM EDT, October 5, there are no reported electric customer outages associated with the storm. Limited oil and natural gas infrastructure is being shut-in as a pre-cautionary measure.
- Industry is preparing for the storm by pre-positioning supplies, alerting personnel, and evacuating non-essential staff.

DOE Actions:

- ESF-12 is staffing the FEMA National Response Coordination Center (NRCC) in Washington, DC.
- The Energy Emergency Response Council (EERC) is staffing DOE Headquarters in Washington, DC.
- The Energy Restoration Team (ERT) is staffed virtually.

Petroleum & Natural Gas Information

Oil & Natural Gas Production

Gulf of Mexico Oil& Gas Production Shut-In Status <i>as of 12:30 pm EDT 10/5/13</i>			
Location	Volume Shut-In	Pre-Event Production	Percent (%) Shut-In
Crude Oil (b/d)	866,807	1,400,000	61.91
Natural Gas (MMcf/d)	1,830	3,800	48.18

Source: Bureau of Safety and Environmental Enforcement (BSEE)

- As of 12:30 PM EDT October 5, the Bureau of Safety and Environmental Enforcement (BSEE) reports 866,807 barrels per day (b/d) of the Gulf of Mexico (GOM) crude oil production is shut-in, equivalent to 61.91 percent of the GOM crude oil production. This is an increase of 173,462 b/d from October 4. BSEE reports 1,830 million cubic feet per day (MMcf/d) of the GOM natural gas production is shut-in, equivalent to 48.18 percent of the GOM natural gas production. This is an increase of 333 MMcf/d from October 4. Personnel have been evacuated from a total of 271 production platforms, or 47.96 percent of the 565 manned platforms in the GOM. Personnel have been evacuated from 20 rigs, representing 41.67 percent of the 48 rigs currently operating in the GOM.

Refineries

- There are 10 refineries with a combined operating capacity of 2.2 million b/d in Tropical Storm Karen’s forecasted cone as of 11:00 AM EDT today. Two refineries with a combined capacity of 313,500 b/d (Motiva Norco and Shell Saraland) have reduced rates due to a delay of oil shipments caused by Tropical Storm Karen.



Refineries in the Forecast Cone of Tropical Storm Karen as of 11:00 am EDT 10/5/13						
Company	Location	Capacity (b/d)				
		Operating Capacity	Shut Down	Restarting	Reduced Runs	Normal
Chalmette Refining LLC	Chalmette, LA	192,500				
Chevron USA Inc	Pascagoula, MS	330,000				
Marathon Petroleum	Garyville, LA	522,000				
Motiva Enterprises	Convent, LA	235,000				
Motiva Enterprises	Norco, LA	233,500			X	
Phillips 66 Co.	Belle Chasse, LA	252,000				
Shell Chemical LP	Saraland, AL	80,000			X	
Shell Oil Products US	Saint Rose, LA	45,000				
Valero Energy Corp.	Meraux, LA	125,000				
Valero Energy Corp.	Norco, LA	205,000				
TOTAL		2,220,000	0	0	313,500	0

Note: The table does not include asphalt refineries or facilities already closed in prior years.

Sources: Confirmed by company or on company web site. Various trade press sources.

Ports

- The Louisiana Offshore Oil Port (LOOP) suspended marine operations at 1:00 PM EDT yesterday. Deliveries to customers from its onshore storage facilities are unaffected. LOOP does not anticipate any disruption to customer deliveries during the tropical weather event.
- The Associated Branch Pilots, which serve vessels through the mouth of the Mississippi River, ceased operations as of 7:00 AM EDT yesterday.
- U.S. Coast Guard Sector New Orleans has gone to Port Condition Yankee, which prohibits vessels from entering, transiting or remaining within the port’s safety zone, as well as other restrictions on cargo operations and mooring, without the permission of the Captain of the Port.
- U.S. Coast Guard Sector Mobile has gone to **Port Condition Yankee, a downgrade from yesterday’s status X-Ray**, which places restrictions on vessels entering, transiting or remaining within the port’s safety zone.

Natural Gas Pipelines

- **Three natural gas pipeline systems with a combined transportation capacity of 2,800 MMcf/d have shut flows and declared force majeure due to Tropical Storm Karen.**

Force Majeure / Critical Notice Posting by Natural Gas Pipelines as of 1:00 pm EDT 10/5/2013			
Name	Capacity (MMcf/Day)	Effective	Notice (Status)
Destin Pipeline Company	1,200	10/3/2013	Force Majeure on offshore receipt points. Onshore receipt and delivery points remain in operation.
Manta Ray Offshore Gathering Co.	800	10/5/2013	Force Majeure on two Transco delivery locations.
Mississippi Canyon Gas Pipeline	800	10/4/2013	Force Majeure due to inability of downstream receipt points in Plaquemine Parish to accept deliveries.

Sources: Confirmed by company or on company web site. Various trade press sources.



Electric Information:

Nuclear Generation Facilities

- As of 3:00 PM EDT, October 5, there are no disruptions to nuclear power operations associated with the storm.

Electric Utility Preparation Information

- As of 3:00PM EDT, October 5, Alabama Power, Baldwin EMC, Cleco Power, LLC., Coast Electric, Columbus Power, Covington Electric Cooperative, Inc., Gulf Power, Entergy Mississippi, Entergy Louisiana, Escambia River Electric, Ocean Springs Public Works, Singing River Electric Power Association, and Southern Pine Electric Power Association have reported activities including staging line crews, tree trimming crews and contractors, fueling bucket trucks, clearing roads of debris, providing sandbags, and stocking warehouses with additional materials.

State Preparation Information

Alabama

- On October 4, Governor Robert Bentley issued a statewide state of emergency due to possible impacts of Tropical Storm Karen. The Alabama Emergency Management Agency is operating at a Level Two activation with 200 National Guard supporting various locations.

Florida

- On October 3, the Florida State Emergency Operations Center upgraded operations to a Level Two activation and Governor Rick Scott declared a state of emergency in 18 Florida counties to allow for the potential deployment of resources as needs develop. The state of emergency is currently in effect for the following counties: Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, Bay, Gulf, Calhoun, Jackson, Franklin, Liberty, Gadsden, Wakulla, Leon, Jefferson, Madison, and Taylor Counties. Earlier today, the National Hurricane Center issued a Hurricane Watch for Escambia, Okaloosa, Santa Rosa, Walton, Bay, and Gulf Counties.
- The Florida National Guard has activated 20 guardsmen who will be directing the pre-positioning of equipment and personnel in order to respond to the storm.

Louisiana

- As of October 3, Governor Bobby Jindal declared a state of emergency. The governor mobilized 650 of the 7,000 available Louisiana National Guardsmen ahead of the storm; of these troops, 520 National Guard technicians were recalled from furlough status to support this emergency.
- The Louisiana Coastal Protection and Restoration Authority is coordinating with the Army Corps of Engineers (USACE), as well as area levee and conservation districts, to monitor rising water levels to determine appropriate times to close flood and navigation gates on area waterways if necessary.

Mississippi

- On October 3, Governor Phil Bryan declared a state of emergency. The Mississippi Emergency Management Agency, the Mississippi National Guard, the state's Department of Public Safety, and other emergency officials are continuing to monitor the situation as it develops.

For additional details, please see the Energy Information Administration's energy infrastructure mapping tool with real-time storm information: <http://www.eia.gov/special/disruptions/>