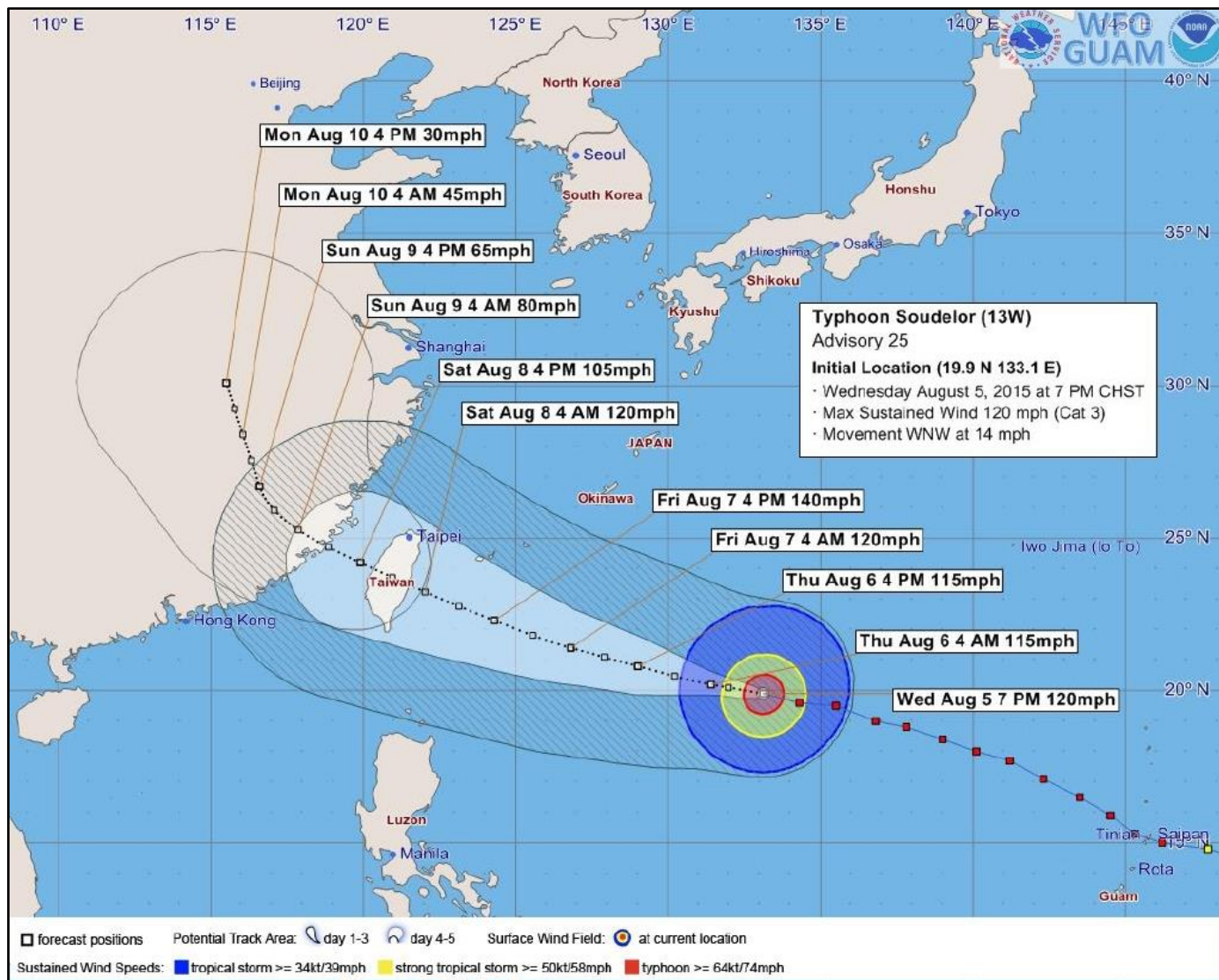




Typhoon Soudelor (13W) Situation Report #3 August 5, 2015 (12:30 PM EDT)



Source: Guam Forecast Office at NOAA's National Weather Service

Highlights:

- As of 6:00AM EDT today, Wednesday, August 5, Typhoon Soudelor is located approximately 895 miles west-northwest of Saipan and continues to move away from the Mariana Islands. Typhoon Soudelor impacted the island of Saipan directly on Sunday, August 2, with highest reported wind speeds of 91mph.
- As of 11:30AM EDT today, the island of Saipan remains without power. Twenty (20) Guam Power Authority (GPA) subject matter experts (SMEs) arrived on island Saipan earlier today, August 5, to provide assistance to the Commonwealth Utilities Commission (CUC) for restoration efforts. GPA is also sending 3-4 line trucks to Saipan via barge to assist with restoration efforts. Severe damage



to the electricity infrastructure on island of Saipan was observed, with estimates for restoration of approximately one month.

- The Port of Saipan, is open to authorized vessel traffic and subject to USCG Safety Zone requirements surrounding Tanapag Harbor (where the island's petroleum terminals are located). USCG Sector Guam's Incident Management Division is working on mitigation/cleanup at the Port of Saipan.
- Limited potable water service is being delivered via truck, in order to allow residents to fill their storage tanks and bottles.
- DOE ESF-12 located in FEMA Region IX RRCC reported 12:00AM EDT today, August 5, five pumping stations need generators to pump and restore potable water, and that the Commonwealth Utilities Corporation (CUC) has no reported wastewater concerns.

DOE Actions:

Operations:

- Effective July 31, 2015, at 12:00PM EDT/9:00AM PDT, the Department of Energy's Energy Response Organization (ERO) activated to Level III (Enhanced Watch) in support of Tropical Storm Soudelor (13W).
 - Effective today, August 5, 2015, engagement with DOE's Fossil Energy (FE), DOE's Energy Efficiency and Renewable Energy (EERE), as well as the Energy Information Administration (EIA) is underway in support to the response event.
- Effective August 1, 2015, one ESF-12 field responder is deployed with the Regional IMAT on Saipan. ESF-12 continues to assist with damage assessments and temporary power placements in coordination with ESF #3 and CUC.
- On August 3, 2015 at 4:00PM EDT/1:00PM PDT DOE activated a second regional IMAT Representative to deploy to Saipan at the request of FEMA Region IX. Additional DOE IMAT representatives are on standby as a staffing plan is being developed to relieve initial personnel.
- ESF-12 is covering 24 hour operations at the FEMA Region IX Response Coordination Center (RRCC) in Oakland, CA. On July 31, 2015, at 12:00PM EDT/9:00 PDT, one ESF-12 field responder deployed to the FEMA Region IX Regional Response Coordination Center (RRCC) in Oakland, CA. On August 2, 2015 at 12:00AM EDT/9:00PM PST, a second ESF-12 responder was added for night shift coverage. As of August 4, 2015, at 11:00AM EDT/8:00 PDT, a third ESF-12 field responder is in route to support the FEMA Region IX RRCC and will be relieving an existing responder starting Thursday August 6, 2015.

Energy Sector Outreach:

- DOE Energy Response Organization (ERO) staff at headquarters as well as DOE ESF-12 personnel deployed to FEMA Region IX held an outreach call Monday August 3, 2015, with the American Public Power Association (APPA) to discuss coordination of mutual aid and resources to APPA's member utility in Saipan. No requests for federal assistance, no unmet needs at this time.

Electricity Information:

The electric power generation and distribution system of Commonwealth of the Northern Mariana Islands (CNMI) is managed by the Commonwealth Utilities Corporation (CUC), a public corporation of the CNMI



government. Three of the fifteen islands are inhabited and about 90% of the population lives on Saipan (48,220 citizens). Lack of electricity to power pumps on Saipan is preventing water from being pumped into the reservoirs. Limited potable water is being delivered via truck, in order to allow residents to fill their storage tanks and bottles.

Non-Nuclear Power Generation

- DOE ESF-12 in FEMA Region IX report, as of today, August 5, 5:48AM EDT, Guam Power Authority experts visited Power Plants 1 & 2 to assess the extent of damage and identify materials needed for repairs. A detailed list of materials needed and extent of damage is anticipated by Friday evening local time, August 7.
- High winds caused damage to power generation facilities, allowing rain to enter into critical equipment.
- CUC is working with the Federal Emergency Management Agency (FEMA) to perform an island-wide assessment to ascertain damage and plan recovery efforts.
- CUC has mutual aid agreements with Guam Power Authority.

Saipan Power Plants & Electric Statistics

Location	Power Plant	Nameplate Capacity (MW)	Fuel	Peak Load (MW)	Number of Customers (March 2011)	Operating Status	Damage	Date
Tanapag, Saipan	Saipan Power Plants 1 & 2 (CUC)	69.9	Diesel	45	13,208	Inoperable	Plant 1 roof is severely damaged	Aug. 3
	Saipan Power Plant 4 (CUC)					Inoperable	Damage to all distribution lines	Aug. 4

Source: U.S. Department of Energy, Company communications, EIA.

Electricity Distribution

- DOE ESF-12 located on island Saipan reported, as of August 5, 5:48AM EDT, twenty (20) Guam Power Authority (GPA) subject matter experts (SMEs) arrived in Saipan to collaborate with CUC and obtain a list of resource needs in anticipation of 3-4 GPA line trucks arriving by barge.
- CUC suffered widespread damage to Saipan's power distribution system when Typhoon Soudelor made landfall the evening of Sunday, August 2.
- According to CUC, as of August 4, 12:09AM EDT, the island of Saipan remains without power, water, and wastewater services.
- The current timetable is at least one month for restoration of essential services in Saipan. Customers are preparing for an extended power and water outage.
- All distribution lines coming out of Power Plant #4 are damaged.
- The structures inside the Kiya 34.5/13kv substation fence appear to be operational. The distribution poles holding the three phase feeders into the Kiya substation are broken.
- CUC has suffered damage to 50% of the 13.8kv primary distribution system.
 - As of August 5, 11:30PM EDT, an estimated 202 wooden distribution-line poles are down along with broken cross arms, hardware and insulators; estimates of 114 pole top transformers were also destroyed.
 - On island, CUC is assessing its spare equipment for restoration. There are an estimated 77 wooden poles and no transformers.



- Debris on major roadways is no longer hampering assessment and restoration efforts. Clearing secondary roads is now the focus.

Nuclear Generation Facilities

- There are no nuclear generating plants in the Northern Mariana Islands.

Petroleum & Natural Gas Information

The Commonwealth of the Northern Mariana Islands (CNMI) has no conventional energy resources and meets nearly all of its energy needs, including electricity generation, with petroleum received by ship at harbors on its three inhabited islands: Saipan, Tinian, and Rota.

Crude Oil & Natural Gas Production

- CNMI has no indigenous crude oil or natural gas production.

Petroleum Refineries

- CNMI has no petroleum refineries.

Petroleum Terminals

- Two fuel storage facilities operated by Mobil Oil (10 tanks – gasoline, diesel, and jet fuel) and IP&E (4 tanks – gasoline) are located in Tanapag Harbor at the Port of Saipan on the central northwest side of Saipan (the largest island). These facilities receive shipments from larger storage terminals on Guam. The island of Tinian receives small shipments of transportation fuels at a facility in Tinian Harbor.
 - **Mobil Oil:** The U.S. Coast Guard (USCG) National Command Center reported a 130,000-gallon gasoline storage tank at the Mobil Oil terminal was damaged by flying debris. The tank is in a containment area surrounded by a four foot berm. Approximately 11,000 gallons of gasoline spilled and was contained within this area. **The fuel tank that ruptured is no longer leaking fuel. The gasoline/water mixture in the containment has been pumped into another tank within the facility. Mobil Oil has identified additional damaged structures at the terminal and response work continued as of August 4. Mobil Oil noted that it has sufficient gasoline stocks in Saipan and can resume normal supply to the public once the company has addressed safety issues at the terminal and service stations.**
 - **Tanapag Harbor Spill:** USCG also reports that a vessel broke free of its moorings and breached a 1,000-gallon diesel tank **on Delta Wharf** in the Port of Saipan, leading to the release of about 500 gallons into the water. A major pollution event was declared. Although the Port of Saipan has reopened August 4, a Safety Zone remains around Tanapag Harbor. **The spilled fuel has been coated with a protective, absorbent foam.**
 - **Saipan Airport Fuel Farm:** Mobil Oil currently has 300,000 gallons of fuel at the airport fuel farm as of August 5. Airlines were requested to tanker in their own fuel to relieve the island of the limited capacity until the harbor fully reopens.

Retail Service Stations

- Motor gasoline supplies at retail service stations **continue to be** limited, according to open press reporting **on August 5.** Long waits have been reported at service stations. **Many gas stations sustained damage from the storm, which is inhibiting refueling.**



- Acting CNMI Governor Torres said August 5 that there is no fuel shortage and that long lines at gas stations are due to citizens seeking to refuel at the same time and ensure they have gas). The price freeze covering fuel, among other goods, is in effect until August 8.
- Mobil Oil has opened four of its Saipan service stations (Susupe, Chalan, Middle Road, and Koblerville) as of August 5 to allow first responders and vehicles required by essential services to refuel, and plans to open more subject to safety assessments and road conditions. The company is working in coordination with the appropriate authorities to determine when it will be safe and appropriate to resume supply to its customers and the general public. The company noted it needed to address safety issues at some of its service.
- Shell has opened four service stations in Saipan as of 10:00PM EDT August 4/12:00PM ChST August 5. The company had placed a limit of \$50 per fuel transaction for non-responders August 5, up from a limit of \$20 on August 4. There are eight Shell service stations on Saipan, according to Shell's website.

Fuel for Power Generation

- Commonwealth Utilities Corporation (CUC), which manages the electric power generation and distribution system on CNMI, uses approximately 22-24 million gallons of diesel fuel per year. Saipan currently has a maximum diesel fuel storage capacity of over 3 million gallons (when all tanks are in use), allowing for a maximum of about 1.5 months of active fuel storage.
- Due to an island-wide power outage, the Saipan Hospital is operating on backup generators. As of August 4, the hospital has an estimated 7 days of fuel supply for operations.

Ports

- As of 6:00 PM EDT, August 3/8:00 AM ChST, August 4, USCG set Port Condition Whiskey, reopening with restrictions all CNMI ports to commercial vessel traffic and cargo operations. The Port of Saipan, is open to authorized vessel traffic and subject to USCG Safety Zone requirements surrounding Tanapag Harbor (where the island's petroleum terminals are located). USCG Sector Guam's Incident Management Division is working on mitigation/cleanup at the Port of Saipan. The Saipan Port had declared a major pollution event due to a 500-gallon gasoline spill. USCG also reported that three vessels less than 200 gross tons were blown from their moorings and were aground in Tanapag Harbor. As of August 4, two of these vessels have been refloated and returned to the dock while a third remains aground on the outer breakwater. USCG officially placed all CNMI ports in Condition Zulu as of 4:00PM EDT on August 1/6:00AM ChST on August 2, meaning that all activity, both on the water, and at the seaports is officially suspended.

Status of Ports		
Port Sector	Status	Date Stamp
Saipan (CNMI)	Open with restrictions (Whiskey). Subject to USCG Safety Zone Requirements in Tanapag Harbor.	6:00 PM EDT, Aug. 3/8:00 AM ChST, Aug. 4
Tinian (CNMI)	Open with restrictions (Whiskey).	6:00 PM EDT, Aug. 3/8:00 AM ChST, Aug. 4
Rota (CNMI)	Open with restrictions (Whiskey).	6:00 PM EDT, Aug. 3/8:00 AM ChST, Aug. 4
Apra Harbor (Guam)	Open with restrictions (Whiskey).	6:00 PM EDT, Aug. 3/8:00 AM ChST, Aug. 4

Source: U.S. Coast Guard



- According to the Port Authority of Guam, the tanker *Barents Sea* is due into Apra Harbor (Guam) August 10. According to shipping data from Reuters, the tanker's last charter carried clean products.

Petroleum Product Pipelines

- CNMI has no major petroleum transport pipelines.

Natural Gas Pipelines

- CNMI has no natural gas pipelines.

Natural Gas Processing

- CNMI has no natural gas processing plants.

Natural Gas Storage

- CNMI has no natural gas storage facilities.

Territory Government Information:

- Northern Mariana Islands
 - FEMA Region IX received the CNMI Governor's Request for an Expedited Disaster Declaration.
 - The CNMI EOC remains fully activated; running on generator power to protect equipment from power surges. The Saipan EOC is currently without power.
 - CNMI Homeland Security and Emergency Management is asking the general public to remain indoors due to the dangers of down power poles and trees on roads and highways.
 - On August 2, Ralph DLG. Torres, Lieutenant to CNMI Governor, declared a State of Major Disaster and Significant Emergency for the entire Commonwealth.
 - The CNMI Governor also declared a price freeze for the Commonwealth as of August 3, 2015. Pursuant to the Commonwealth Disaster Price Freeze Act, this price freeze shall apply to the following items:
 - Gasoline, kerosene, diesel fuel, natural gas, and all other chemical fuels, whether in gaseous, liquid, or solid form;
 - Generators, cables, wires, electrical batteries of every sort, and similar equipment for the generation or transmission of electrical power;
 - The price freeze shall remain in effect until August 8, 2015, unless otherwise extended by official order.