



# Hurricanes Maria, Irma, and Harvey

## September 27 Event Summary (Report #48)

<b>REPORT TIME &amp; DATE:</b>	4:00 PM EDT   Wednesday, September 27, 2017
<b>INCIDENT START DATE:</b>	Friday, August 25, 2017
<b>PRIMARY LOCATION(S):</b>	TX, LA, FL, GA, NC, SC, Puerto Rico, & USVI
<b>REPORT DISTRIBUTION:</b>	Public

*Note: DOE will continue to phase out information related to Hurricanes Irma & Harvey as appropriate and may begin to provide a separate report if needed.*

### EXECUTIVE SUMMARY

Hurricane Maria made landfall on the southern coast of Puerto Rico around 6:15 AM EDT on Wednesday, September 20, after passing approximately 15 miles south-southwest of St. Croix. As of Tuesday, Maria continues to move north-northeast, 180 miles east-northeast of Cape Hatteras. Tropical storm-force winds, heavy surf and storm surge may impact portions of the coast of North Carolina today.

DOE is supporting response efforts for Hurricane Maria and continues to support restoration efforts related to Hurricanes Harvey and Irma. ESF #12 responders are deployed to St. Thomas, St. Croix, and Puerto Rico in support of FEMA Incident Management Assistance Teams. ESF #12 responders are also deployed to the National Response Coordination Center and an advanced team from the Western Area Power Administration is on St. Thomas to provide mutual aid support.

### Electricity Sector Summary (as of 2:30 PM EDT Wednesday)

- Puerto Rico: The majority of the 1.57 million electricity customers in Puerto Rico remain without power. Damage assessments and restoration efforts are underway, focusing on critical facilities. Initial assessments show significant damage to transmission and distribution systems.
- USVI: The majority of the 55,000 customers across the USVI remain without power due to impacts from Maria and Irma. Some critical facilities have been restored and potable water is available. An advance team from the Western Area Power Administration arrived on St. Thomas to provide mutual aid and additional crews are expected to deploy later this week.
- DOE is working closely with the local governments, FEMA, and industry to facilitate mutual aid.

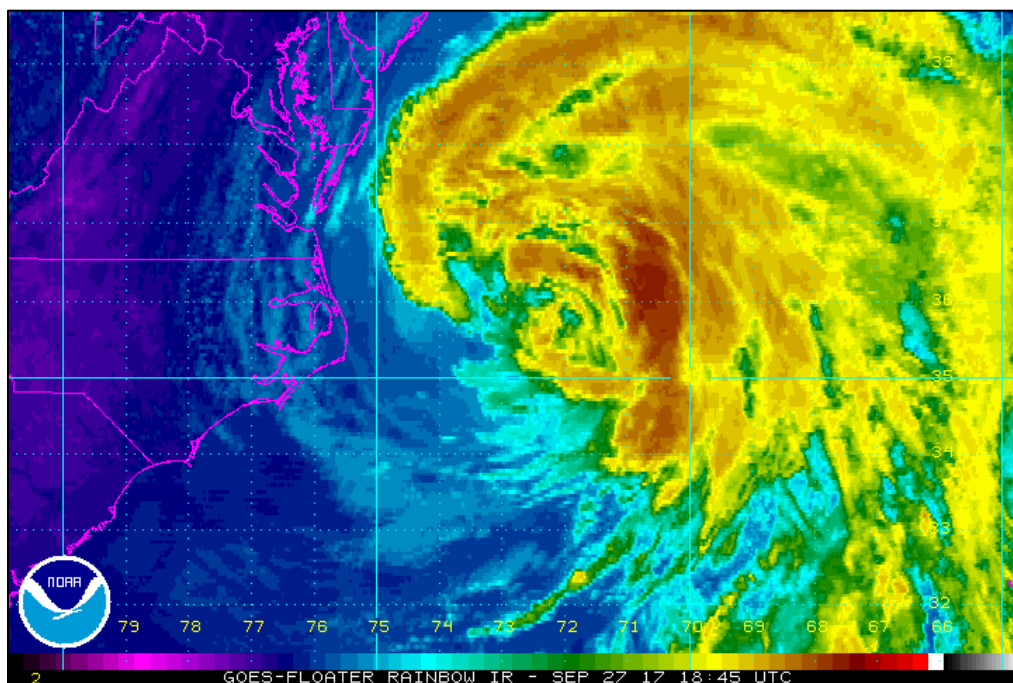
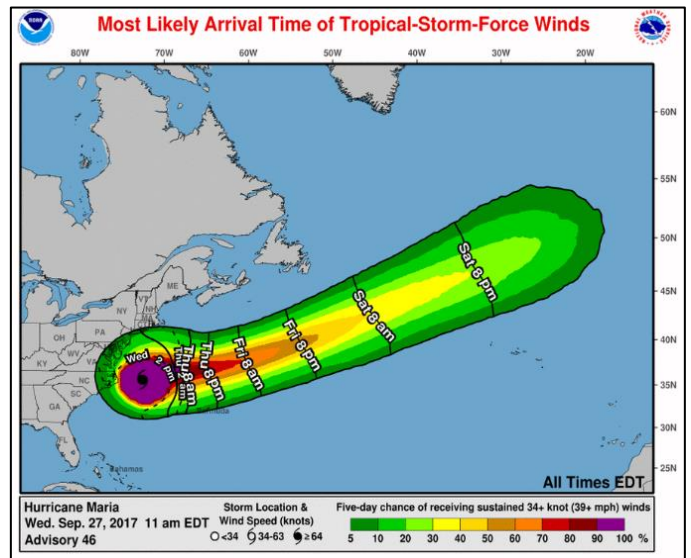
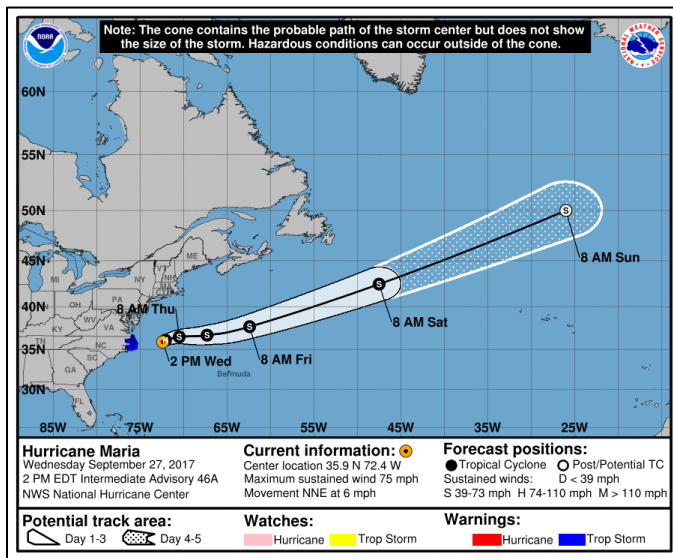
### Oil and Natural Gas Sector Summary (as of 2:30 PM EDT Wednesday)

- DOE, FEMA, DLA, and other Federal partners are working to facilitate fuel deliveries across the U.S. Virgin Islands and Puerto Rico for generators at critical facilities and response efforts.
- DOE is working with EIA to assess fuel supplies and to the status of facilities in the region.

**HURRICANE MARIA OVERVIEW**

As of 2:00 PM EDT, Hurricane Maria was 180 miles east-northeast of Cape Hatteras, North Carolina, moving north-northeast at 6 MPH with maximum sustained winds of 75 MPH (category 1). Hurricane-force winds extend outward up to 105 miles and tropical storm-force winds extend up to 230 miles.

Maria is expected to continue north-northeast today with a turn east-northeast on Thursday. On the forecast track, Maria will move away from the coast of North Carolina through Thursday. Maria remains well offshore; however, a tropical storm warning has been issued along the coast of North Carolina due to the potential for tropical storm-force winds, storm surge, and heavy surf on Wednesday.



# Hurricane Maria

## ELECTRICITY SECTOR

### IMPACTS TO PUERTO RICO AND U.S. VIRGIN ISLANDS

ELECTRICITY OUTAGES AS OF 2:00 PM EDT 09/27/2017			
Impacted State	Current Estimated Customer Outages	Percent of Estimated Customers without Power	24-hr Peak Customer Outages
Puerto Rico	~1,569,796	~100%	~1,569,796
<b>Total</b>	<b>~1,569,796</b>	--	--

#### Puerto Rico

- The Puerto Rico Electric Power Authority (PREPA) continues to report near 100% of total customers in Puerto Rico remain without power, with the exception of facilities on generators and some critical facilities.
  - As of early September 25, Governor Ricardo Rosselló confirmed that the Hima San Pablo Hospital has electrical power.
  - At approximately 10:30 AM EDT, Tuesday, September 26, the Río Piedras Medical Center lost power. It is expected to be restored by today or tomorrow, Wednesday, September 27.
- Initial reports by PREPA suggest that there has been significant damage to portions of the transmission and distribution systems across the island.
- Much of the urban area of Mayagüez is energized by the hydro-gas plant that is located within the municipality.
- Governor Rosselló has extended the island’s curfew and dry laws for an indefinite period to support response activities. Residents not identified as supporting the response efforts must remain in their homes and shelters from 7:00 PM to 5:00 AM local time until further notice.
- As of the morning of September 25, Ramos reported that the Central San Juan and Palo Seco generation units are operating, allowing PREPA to energize transmission serving portions of Bayamón and Monacillos.
- DOE is coordinating with PREPA, FEMA, the U.S. Army Corps of Engineers, and industry to transport crews to the island to provide mutual aid, as needed. Initial crews from New York have arrived to support damage assessments.

#### U.S. Virgin Islands

- The majority of customers across the U.S. Virgin Islands (USVI) remain without power. Most customers on St. Croix lost power due to Hurricane Maria. St. Thomas and St. John previously experienced extensive power outages from Hurricane Irma. There has been limited restoration across the islands, mainly to critical facilities and some communities.
- Assessments will be made over the next several days to determine the extent of damage to the U.S. Virgin Islands Water and Power Authority’s (VIWAPA) distribution systems. Restoration plans will be developed and made available once the damage assessment process is completed. The complete restoration schedule cannot be developed until the conclusion of assessments.



- DOE is working closely with industry and FEMA to facilitate mutual assistance for the USVI.

**St. Thomas & St. John**

- There is limited electricity distribution on St. Thomas. Portions of five feeders are partially energized. As of 7:30 PM EDT, Monday, September 26, VIWAPA energized the Cyril E. King Airport feeder.
- Western Area Power Administration's eight-person has begun damage assessments and restoration work on the island in support of VIWAPA and additional crews are expected later in the week.
- Key water processing facilities are providing potable water in St. Thomas and St. John.
- On St. Thomas, crews are working on the "A" Feeders: 6A, 7A, 8A and 9A. Work will also continue through the end of the week to restore electrical service to the Superior Court, VI Police Callwood Command and the Bureau of Corrections at the Farrelly Justice Center. Crews also energized Third, Eighth and Ninth Streets in Sugar Estate while clean-up crews were on Second Street. Feeder 6A was partially energized, as was parts of Contant Towers. Additional buildings in the Harris Court housing community were also energized Tuesday.

**St. Croix**

- Work continued on St. Croix Tuesday to re-energize customers in downtown Christiansted, and Frederiksted from the Midland substation to the Paul E. Joseph Stadium.
- Portions of two additional feeders on St. Croix were energized Saturday. These feeders are in addition to the electrical service being provided to the Luis Hospital and the Rohlsen Airport.
- Customers on sections of Feeder 1A, which serves the downtown Christiansted area and Feeder 8B which originates at the Midland substation and runs to the west end of the island up to the Frederiksted ball park had their service restored.
- Seven Seas water production facility is online and stabilized. There are three days of emergency water storage on St. Croix.



## OIL &amp; GAS SECTOR

## PORTS

- The U.S. Coast Guard has set the following conditions for ports and waterways in Sector San Juan. All ports in the sector are listed.

Status of Ports as of 2:00 PM EDT 09/27/2017			
Port	Average Imports (b/d) <sup>A</sup>	Status	Date Stamp
<b>Puerto Rico</b>			
San Juan	64,000	Port Readiness Condition IV. Open.	09/27/17
Ponce	45,000	Port Condition Zulu. Closed. Surveyed by USCG.	09/19/17
Guayanilla		Port Readiness Condition IV. Open.	09/25/17
Yabucoa	38,000	Port Condition Zulu. Closed.	09/24/17
Arecibo	<sup>B, C</sup>	Port Readiness Condition IV. Open with restrictions. Daylight operations only. Max draft 15 ft.	09/27/17
Catano	<sup>B</sup>	Port Condition Zulu. Closed.	09/19/17
Fajardo		Port Readiness Condition IV. Open with restrictions. Daylight operations only.	09/24/17
Culebra		Port Readiness Condition IV. Open with restrictions. Daylight operations only.	09/24/17
Vieques		Port Readiness Condition IV. Open with restrictions. Daylight operations only.	09/24/17
Guanica		Port Condition Zulu. Closed.	09/19/17
Guayama	<sup>B, C</sup>	Port Readiness Condition IV. Open with restrictions. Tug/barge only. No deep draft vessels. No vessels greater than 500 GT.	09/24/17
Mayaguez	<sup>B, C</sup>	Port Condition Zulu. Closed.	09/19/17
Roosevelt Roads	<sup>B</sup>	Closed. (Serves Navy Base).	09/24/17
Salinas/Aguirre	<sup>B, C</sup>	Port Readiness Condition IV. Open.	09/24/17
Tallaboa		Port Readiness Condition IV. Open.	09/24/17
<b>U.S. Virgin Islands</b>			
Christiansted, St. Croix	30,000	Port Condition Zulu. Closed.	09/18/17
Limetree Bay, St. Croix		Port Readiness Condition IV. Open.	09/27/17
Krause Lagoon, St. Croix		Port Readiness Condition IV. Open.	09/27/17



Frederiksted, St. Croix		Port Readiness Condition IV. Open with restrictions. Daylight operations only.	09/24/17
St. John	B, C	Port Readiness Condition IV. Cruz Bay is open with restrictions. Daylight transit only.	09/24/17
St. Thomas	B, C	Ports of Homeport Pier, Crowley, Tropical Shipping Terminal, Sandfill, WAPA, Red Hook, and East and West Gregorie Channels open for daylight operations only. Charlotte Amalie Harbor open for daylight operations only. Navigational aids off station, sunken vessels in harbor.	09/24/17

<sup>A</sup> All petroleum products, excluding asphalt.

<sup>B</sup> No direct foreign imports but receives petroleum products from larger ports by barge.

<sup>C</sup> Receives fuel for oil-fired power plant.

Source: Receipt data from U.S. Customs via Reuters EIKON (Jan-Aug. 2017 average)



# Hurricane Harvey

## OIL & GAS SECTOR

### PETROLEUM REFINERIES

- As of 2:00 PM EDT, September 27, no refineries are shut down, according to the most recent publicly available reports.
- One refinery is currently in the process of restarting after being shut down. This refinery has a capacity of 225,000 b/d, equal to 2.3% of total Gulf Coast (PADD 3) refining capacity and 1.2% of total U.S. refining capacity.
- Eight refineries in the Gulf Coast region were operating at reduced rates, according to the most recent publicly available reports. These refineries have a combined capacity of 2,661,470 b/d, equal to 27.5% of total Gulf Coast (PADD 3) refining capacity and 14.4% of total U.S. refining capacity. (NOTE: Actual crude throughput (production) reductions are lower than the total combined capacity). No refineries that were operating at reduced rates began operating at normal rates since the last report.





## PORTS

- The U.S. Coast Guard has set the following conditions for ports and waterways in the Gulf Coast

<b>Status of Texas and Louisiana Gulf Coast Ports as of 2:00 PM EDT 09/27/2017</b>			
<b>Port</b>	<b>Crude Imports Jan-May 2017 (b/d)</b>	<b>Status</b>	<b>Date Stamp</b>
<b>Sector Corpus Christi</b>			
Brownsville	--	Open.	08/31/17
Corpus Christi	245,000	Port Condition Recovery. Open with restrictions. One way transits during daytime hours only. Must have 2 pilots for each vessel over 700 feet, all vessels over 40,000 gross registered tons, and all vessels over 35' draft.	09/22/17
<b>Sector Houston and Galveston</b>			
Freeport	133,000	Port Condition Seasonal Alert. Open with some restrictions. 41' max draft in port. Final update.	09/22/17
Galveston	114,000	Port Condition Seasonal Alert. Open with some restrictions. Final update.	09/22/17
Houston	646,000	Port Condition Seasonal Alert. Open with some restrictions. Final update.	09/22/17
Texas City	134,000	Port Condition Seasonal Alert. Open with some restrictions. Final update.	09/22/17
<b>Sector Port Arthur and Lake Charles</b>			
Sabine Pass	--	Port Condition Recovery. Open with restrictions.	09/18/17
Port Arthur	687,000	Port Condition Recovery. Open with restrictions.	09/18/17
Beaumont	33,000	Port Condition Recovery. Open with restrictions. Max draft of 31 feet on Neches River from ExxonMobil to Port of Beaumont due to shoaling.	09/19/17
Port Neches	--	Port Condition Recovery. Open with restrictions. Open to full 40 foot charted depth in Neches River Waterway from "SB" Buoy to ExxonMobil dock 4.	09/18/17
Nederland	--	Port Condition Recovery. Open with restrictions. Open to full 40 foot charted depth in Neches River Waterway from "SB" Buoy to ExxonMobil dock 4.	09/18/17
Lake Charles	218,000	Port Condition Recovery. Open with restrictions. 38 feet draft restrictions of the Calcasieu Ship Channel.	09/18/17

Source: U.S. Coast Guard





# Emergency Declarations & Waivers

## EMERGENCY DECLARATIONS

- Twelve states, including Puerto Rico and USVI, declared state emergencies due to Irma & Harvey. These declarations automatically waived select Federal Motor Carrier Safety Regulations (FMCSRs), including hours-of-service (HOS) regulations, for motor carriers hauling resources to aid in restoration. The declarations exempted FCMSR in every state along the motor carrier’s route as long as the final destination was with the declared disaster areas. Some HOS waivers applied specifically to the movement of petroleum products in or through the state. On September 18, USVI and Puerto Rico declared a state of emergency for Hurricane Maria and on September 20, President Trump approved a major disaster declaration. On September 26, President Trump amended the Puerto Rico and U.S. Virgin Islands disaster declarations to authorize increased cost sharing to 100 percent Federal funding for debris removal and emergency protective measures beginning September 17.
- In addition, the Federal Motor Carrier Safety Administration (FMCSA) issued a Regional Emergency Declaration for Hurricane Harvey exempting FMCSRs in the States of Texas and Louisiana. On August 31, the FMCSA expanded the Regional Emergency Declaration to additional states and Washington, DC. On September 6, the Regional Emergency Declaration was extended for states affected by Hurricane Irma. On September 7, the Irma Regional Declaration was expanded again to include states in the Mid-Atlantic and Northeast. On September 11, an Amended Regional Declaration of Emergency was released that extended the exemption of FMCSRs in all 27 states and Washington D.C. through September 30, 2017, or the end of the emergency as defined.
- The table below summarizes emergency declarations and HOS waivers issued by states in response to the impacts of Hurricane Harvey and Hurricane Irma.

State Emergency Declarations and HOS Waivers <i>as of 2:00 PM EDT 09/27/2017</i>				
State	Details	Effective Dates		Status
		Start	End	
Regional (Multi-State)	Regional Emergency Declarations and FMCSR waivers issued by FMCSA. <b>For Harvey:</b> Applies to Alabama, Arkansas, Colorado, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Mississippi, Missouri, New Jersey, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Tennessee, Texas, South Carolina, Virginia, Washington, D.C., and West Virginia. <b>For Irma:</b> Applies to Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, Tennessee, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire,	For Harvey: 08/25/17  Expanded for Harvey: 08/31/17  For Irma: 09/06/17  Expanded For Irma: 09/07/17	Extension for All States: 09/30/17  Extension for Texas & Louisiana: 10/24/17	Active



	<p>New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia, D.C., Puerto Rico, &amp; the U.S. Virgin Islands.</p> <p>On September 22, the FMCSA extended the Regional Emergency Declaration waivers for Texas and Louisiana until October 24.</p>	<p>Extended: 09/11/17</p> <p>Extended: 09/22/17</p>		
Alabama	<p>State of Emergency/HOS waiver issued for petroleum products and petroleum-related supplies, goods, and services in the State.</p> <p>International Registration Plan and International Fuel Tax Agreement requirement suspended for vehicles engaged in or travelling through Alabama for disaster relief efforts in Florida.</p>	<p>08/30/17</p> <p>09/08/17</p>	<p>09/29/17</p> <p>10/08/17</p>	Active
Florida	State of Emergency/HOS waiver	09/04/17	11/03/17	Active
Georgia	State of Emergency/HOS waiver expanded to all counties in Georgia on 9/10.	<p>For Harvey: 08/30/17</p> <p>For Irma: 09/07/17</p> <p>Expanded for Irma: 09/08/17</p> <p>Expanded for Irma: 09/10/17</p>	09/22/17	Expired
Kansas	Governor acknowledged state of emergency in Texas and declared that licensing rules, registration and fuel tax permits, and oversize vehicle permit fees are waived for motor carriers and persons operating motor vehicles directly participating in the restoration effort.	08/30/17	09/30/17	Active
Kentucky	State of Emergency/HOS waiver issued for transporters of food, water, medicine, fuel and other commodities within the affected areas to aid in emergency response of affected areas.	08/28/17	09/27/17	Active
	State of Emergency Declaration/HOS waiver for petroleum products.	08/31/17	09/30/17	Active



Louisiana	State of Emergency.	08/23/17	TBD	Active
Michigan	State of Emergency/HOS waiver issued for petroleum products through the state.	08/31/17	09/15/17	Expired
North Carolina	State of Emergency/HOS waiver issued for petroleum products.	08/31/17	09/30/17	Active
	State of Emergency/HOS waiver issued for petroleum products, and emergency relief supplies and services through the state.	09/07/17	10/06/17	Active
Puerto Rico	State of Emergency	09/04/17 Declared for Maria: 09/18/17	--	Active
South Carolina	State of Emergency/HOS waiver issued for petroleum products through the state.	09/06/17	10/06/17	Active
Tennessee	Limited State of Emergency. EO-67 suspends certain vehicle restrictions for vehicles providing emergency supplies, equipment, or mobile housing units	09/11/17	11/08/17	Active
Texas	State of Disaster declared for 61 counties in Texas.	08/23/17 Expanded: 08/30/17 Expanded: 09/01/17	TBD	Active
Virginia	State of Emergency/HOS waiver issued for petroleum products through the state.	For Harvey: 09/01/17 For Irma: 09/07/17	For Harvey: 09/15/17 For Irma: 06/30/18, or rescinded.	Active
U.S. Virgin Islands	State of Emergency	09/04/17 Declared for Maria: 09/18/17	--	Active

Sources: [U.S. Department of Transportation](#); Governor Office Websites



**FUEL WAIVERS**

- The table below lists fuel-related waivers issued by the U.S. Environmental Protection Agency (U.S. EPA) and other Federal and State agencies for Hurricanes Harvey and Irma.
- On August 30, U.S. EPA issued a multi-state (13 states) waiver for requirements of low-RVP conventional gasoline and reformulated gasoline (RFG) in response to Hurricane Harvey. The next day, the waiver was expanded to include 38 states and Washington, DC. On September 7, in preparation for Hurricane Irma, the EPA extended the temporary waiver for RFG until September 26. The low-RVP waiver for all states (except Texas) expired September 15 when the normal season RVP change occurs. In addition, EPA extended the Low Volatility SIP waiver in Texas and other federally-enforceable areas through September 16. This was extended on September 13 to October 1.

State Fuel Waivers as of 2:00 PM EDT 09/27/2017					
State	Waiver	Issued By	Effective Dates		Status
			Start	End	
Puerto Rico	To minimize or prevent disruptions with the supply of ULSD fuel for mobile non-road generators and pumps used for emergency services, EPA will allow parties in Puerto Rico to sell, distribute, and use heating oil and ECA marine fuel that exceeds the 15 ppm.	U.S. EPA	09/26/17	10/08/17	Active
Multi-state waiver	<b>RVP</b> standard waived for gasoline sold in affected counties where low-RVP gasoline is required (9.0 RVP or lower). Allows sale of gasoline up to 11.5 psi RVP in all states located in PADD 1, PADD 2, and PADD 3. <b>RFG</b> standard is also waived in the designated regions. Also waived are provisions prohibiting the blending of RFG blendstock with conventional gasolines or blendstocks.	U.S. EPA	For Harvey: 08/30/17 Expanded for Harvey: 08/31/17 Extended for Irma: 09/07/17	For RVP: 09/15/17 For RFG: 09/26/17	Expired  Expired
TX	<b>RFG</b> requirement waived in Houston-Galveston-Brazoria areas. Waiver expanded to four-county Dallas-Fort Worth RFG area 8/26. Allows the sale or distribution of conventional gasoline. This was extended on 09/13 to October 1.	U.S. EPA	08/25/17  Expanded: 08/26/17	09/15/17  Extended: 10/01	Active
TX	<b>7.8 psi RVP</b> standard waived for gasoline sold in 20 counties where low-RVP gasoline is required and are also under the Governor’s Disaster Declaration. Waiver expanded to 98 counties required to use low-RVP fuel 8/26. Allows sale of gasoline up to 9.0 psi RVP. This was extended on 09/13 to October 1.	U.S. EPA	08/25/17	09/16/17  Extended: 10/01	Expired



TX	Limited waiver of highway diesel fuel red dye requirements. Allows sale, distribution, and use of red dye NRLM diesel fuel for use in highway diesel vehicles, but diesel fuel must meet 15 ppm standard.	U.S. EPA	08/29/17	09/15/17	Expired
FL	Limited waiver of highway diesel fuel red dye requirements. Allows sale, distribution, and use of red dye NRLM diesel fuel for use in highway diesel vehicles, but diesel fuel must meet 15 ppm standard. On 9/22, EPA extended the waiver to October 6.	U.S. EPA	09/06/17 Extended: 09/22	09/22/17 Extended: 10/06	Active
	Waiver of tax penalties when dyed diesel fuel is sold and used for highway use in Florida.	U.S. IRS	09/06/17	09/22/17	Expired
LA	RVP requirements of 7.8 psi and 9.0 psi waived in applicable areas. Permits the sale or distribution of winter gasoline with an 11.5 psi RVP.	State of Louisiana	08/29/17  Expanded: 08/30/17	09/15/17	Expired
MI	<b>RVP</b> regulations waived. Permits the transportation and sale of motor fuels 9.0 psi RVP in Wayne, Oakland, Macomb, St. Clair, Livingston, Washtenaw, Monroe, and Lenawee counties, and up to 11.5 psi RVP elsewhere in Michigan.	State of Michigan	08/31/17	09/15/17	Expired
MS	<b>RVP</b> standards of 9.0 psi waived. Permits the sale or distribution of winter gasoline with an 11.5 psi RVP.	State of Mississippi	08/30/17	09/15/17	Expired
SC	<b>RVP</b> standards of 9.0 psi waived. Permits the sale or distribution of winter gasoline with an 11.5 psi RVP. Allows the comingling of <b>RFG</b> with conventional gasoline. Waives butane blending and T V/L = 20 requirements.	State of South Carolina	09/07/17	10/31/17	Active
VA	Waived the <b>RVP</b> limit for gasoline ethanol blends prescribed by regulations. Extended waiver to apply through duration of Hurricane Irma impact on 9/8.	State of Virginia	09/01/17  Extended: 09/08/17	Until further notice.	Active

Sources: U.S. Environmental Protection Agency; State Governments



**OTHER WAIVERS**

- **Department of Homeland Security**
  - On September 8, the Acting Secretary of Homeland Security [waived Jones Act](#) requirements for shipping refined petroleum products –including gasoline, diesel and jet fuel— to Florida for a 7-day period. The waiver of the Jones Act will allow foreign flag vessels to bring in fuel from New York, Pennsylvania, Texas, and Louisiana to South Carolina, Georgia, Florida and Puerto Rico to help with fuel shortages amid the threat from Hurricane Irma. On September 11, the Jones Act waiver was expanded to include shipments from all states in PADD 1B and PADD 3 to all states in PADD 1C. The waiver applies to covered merchandise laded on board a vessel through and including September 22, 2017. As of September 23, the Jones Act waiver expired.
- **Federal Energy Regulatory Commission (FERC)**
  - On September 5, the Federal Energy Regulatory Commission (FERC) approved an emergency waiver tariff, effective immediately, allowing the pipeline system to accept 11.5 RVP gasoline (A3) to fill nominations for 7.8 RVP gasoline (A1) and 9.0 RVP gasoline (A2); and to ship conventional gasoline in lieu of reformulated gasoline. Colonial’s tariffs and tariff practices would not normally permit it to accept product that does not conform to the specifications of the product that was nominated.
- **Department of Transportation (DOT)**
  - On September 20, PHMSA issued an Emergency Stay of Enforcement for pipeline operators that may be affected by Maria. PHMSA will not take enforcement action relating to operator noncompliance with certain operator qualification requirements, or pre-employment and random drug testing requirements, arising from the use of personnel for pipeline activities related to response and recovery. The waiver took effect on September 20 and will expire on November 4, unless PHMSA determines it needs to be extended.
  - On September 8, DOT’s Pipeline and Hazardous Materials Safety Administration (PHMSA) issued an Emergency Waiver Order under 49 U.S.C. 5103 and Stafford Act declarations made for the U.S. Virgin Islands, Puerto Rico, Florida, and South Carolina, to persons conducting operations under the direction of the Environmental Protection Agency and the U.S. Coast Guard that support appropriate actions to prepare for, respond to, and recover from a threat to public health, welfare, or the environment caused by actual or potential oil and hazardous materials incidents resulting from Hurricane Irma in Puerto Rico, U.S. Virgin Islands, Florida, and South Carolina. On September 10, 2017, based on a Stafford act emergency declaration, PHMSA amended this order to include Georgia.
  - On September 1, PHMSA issued an Emergency Stay of Enforcement for operators affected by Hurricane Harvey. The declaration states that PHMSA does not intend to take any enforcement action relating to their noncompliance with certain operator qualification requirements, or pre-employment and random drug testing requirements, arising from the use of personnel for pipeline activities related to response and recovery. On September 7, PHMSA issued an enforcement stay for the waiver to include states affected by Hurricane Irma. The states included in this extension are Florida, Georgia, North Carolina, South Carolina, and Puerto Rico.



- **Environmental Protection Agency (EPA)**

- On September 23, the EPA issued an order to FEMA and the DOD authorizing the installation and operation of temporary water treatment units in the U.S. Virgin Islands where a loss of electrical power due to hurricanes Irma and Maria has left public water systems inoperable. This order is effective through October 8, but is eligible to be extended.
- On September 22, the EPA announced that it will exercise enforcement discretion for mobile power generators being imported into the United States that will be used as emergency sources of power in Puerto Rico as a result of Hurricane Maria. EPA will not pursue enforcement actions for certain violations of the Clean Air Act for mobile power generators being imported for use in Puerto Rico that have not been certified to meet U.S. pollution control standards. This covers mobile power generators that are imported for use in Puerto Rico until January 31, 2018.
- On September 11, the EPA issued a blanket waiver for all power plant facilities in Florida, allowing them to operate without meeting all pollution controls in order to maintain the supply of electricity to customers and critical facilities across the state as a result of Hurricane Irma. The 'no action assurance' is temporary and will terminate on September 26, 2017; it was requested by the Florida Department of Environmental Protection and determined by EPA to be in the public's interest. The facilities must continue to comply with all other federal, state and local environmental law and are still required to monitor and report levels of regulated contaminants released.
  - On September 22, the EPA extended the enforcement discretion for fuel storage facilities and tanker trucks in Texas at least until September 29 as recovery efforts from Hurricane Harvey continue. It said a larger number of tanker trucks were needed to deliver fuel and that it would not pursue enforcement actions against trucks for certain Clean Air Act violations.
  - On September 22, the EPA extended enforcement discretion first issued on September 15 for certain air pollutants from gasoline storage tanks during so-called roof landings, as well as for bulk fuel terminals that are not equipped to capture or recover certain air pollutants. The discretion will terminate on September 29.

