



# Hurricane Irma & Hurricane Harvey

## September 15 Afternoon Event Summary (Report #34)

<b>REPORT TIME &amp; DATE:</b>	4:00 PM EDT   Friday, September 15, 2017
<b>INCIDENT START DATE:</b>	Friday, August 25, 2017
<b>PRIMARY LOCATION(S):</b>	Irma: FL, GA, NC, SC, Puerto Rico, & USVI // Harvey: TX & LA
<b>REPORT DISTRIBUTION:</b>	Public

### EXECUTIVE SUMMARY

On September 10 Hurricane Irma moved across the Florida Keys as a category 4 storm before making landfall near Marco Island, Florida as a category 3. Irma then moved north along the Florida peninsula and into Georgia and the Tennessee Valley. At the time of landfall, hurricane-force winds extended up to 60 miles from the center and tropical storm-force winds extended up to 415 miles. As of September 14, the remnants of Irma dissipated over the Ohio Valley.

DOE continues to monitor impacts and support restoration efforts. ESF #12 responders are currently supporting FEMA Incident Management Assistance Teams in Puerto Rico, St. Thomas, and St. Croix. ESF #12 responders are also deployed to the FEMA Region II and IV Coordination Centers, the Florida State Emergency Operations Center, and the Georgia State Operations Center.

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

- Florida: 2,009,805 customer outages (20% of total state customers)
  - Most utilities estimate that 95% of customers will be restored by September 17. FPL estimates that for customers on the west coast, 95% will be restored by September 22
- Georgia: 69,115 customer outages (1.9% of total state customers)
- Puerto Rico: 86,997 customers (5.6% of total customers)
  - PREPA Executive Director Ricardo Ramos estimated 99% of customers in the San Juan area will be restored late Friday or early Saturday

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

- Most ports have reopened including Port Everglades, Jacksonville, and Tampa
- In addition to the petroleum product tankers that arrived since the storm passed, several tankers arrived today, with additional tankers expected to arrive later this afternoon
- Florida is working closely with gasoline truckers & shippers to ensure timely delivery of product to retail stations and state officials report that the situation is improving
- No issues have been reported with any key pipelines transporting petroleum products throughout the affected region

# Hurricane Irma

## ELECTRICITY SECTOR

### IMPACTS TO CONTINENTAL UNITED STATES

Damage assessments and restoration efforts are underway throughout the region. While some areas will face extended outages, overall customer outages continue to decrease. Currently, there are 30,000 personnel in Florida and 6,000 personnel in Georgia providing mutual aid in support of the Irma restoration efforts. As outages in Georgia decrease, some crews will be relocated to Florida or other areas of the state. *Note: During the restoration process, outages numbers may fluctuate.*

ELECTRICITY OUTAGES AS OF 2:30 PM EDT 09/15/2017			
Impacted State	Current Confirmed Customer Outages	Percent of Confirmed State Customers without Power	24-hr Peak Customer Outages
Florida	2,009,805	20%	2,499,785
Georgia	69,115	1%	188,822
<b>Total</b>	<b>2,078,920</b>	--	--

*\*There is no sum of the Peak Customer Outage column because peaks for individual utilities occur at different times; a total would not reflect peak outages.*

### Florida

- As of 2:30 PM EDT, September 15, Florida has 2,009,805 customer outages (20% of total state customers).
  - Florida Power and Light (FPL) has 1,022,295 customer outages.
  - Duke Energy Florida has 721,483 customer outages.
  - LCEC has 61,152 customer outages.
- FPL estimates power restoration to most of the West Coast of Florida by September 22 and to the East Coast by the end of the weekend, September 17. Restoration to severely damaged areas may take additional time.
  - FPL has restored power to over 3,423,145 customers, or 77% of affected customers, following the hurricane.
  - FPL has 31,000 personnel supporting the restoration efforts, including 20,000 personnel through mutual aid.
- As of 7:30 AM, September 15, TECO has restored service to 90% of its 425,000 customers and expects restoration for most of its territory to be complete by Sunday, September 17.
- As of 2:00 PM EDT, September 15, Duke Energy Florida has restored power to over 1.1 million customers.
  - Duke Energy Florida estimates to restore power to most of its Central and Northern Florida customers by Sunday, September 17 and to West Florida by Friday, September 15.
- Kissimmee Utility Authority has restored power for all of its customers impacted by Irma as of 4:00 PM EDT, September 14.



- As of 6:00 PM EDT, September 14, Keys Energy Services control center crews had re-energized the tieline, the Keys' main electric transmission line, and had restored power to 20% of its customers.
  - Keys Energy Services estimates power restoration from Key West to Sugarloaf by September 21.
  - Upper Sugar Loaf to the Seven Mile Bridge restoration estimations are up to one month.

## Georgia

- As of 2:30 PM EDT, September 15, Georgia has 69,115 customer outages (1% of total state customers).
  - Georgia Power has 45,499 customer outages.
  - Habersham Electric Member Corporation has 12,213 customer outages.
- Georgia Power has less than 50,000 outages remaining. Georgia Power has restored power for over 920,000 customers following the storm, including 300,000 of Metro Atlanta area customers.
- Georgia Power should have 95% of customers impacted by Hurricane Irma restored by the night of Saturday, September 16. Reports claim that restoration efforts are ahead of schedule.
  - Athens is expected to have power restored for 95% of customers by 10:00 PM EDT on Thursday, September 14.
  - Atlanta is expected to have power restored for 95% of its customers by 10:00 PM EDT on Friday, September 15.
  - Augusta is expected to have power restored for 95% of its customers by 12:00 PM EDT on Saturday, September 16.
  - Macon, Savannah/Brunswick, and Valdosta are expected to have power restored for 95% of their customers by 10:00 PM EDT on Saturday, September 16.
  - As some cooperative utilities near full restoration, crews have been able to provide assistance to other cooperatives that experienced greater impacts.



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

ELECTRICITY OUTAGES AS OF 2:17 PM EDT 09/15/2017			
Impacted State	Current Confirmed Customer Outages	Percent of Confirmed State Customers without Power	24-hr Peak Customer Outages
Puerto Rico	86,997	5.6%	97,029
<b>Total</b>	<b>86,997</b>	--	--

- As of 2:15 PM EDT, September 15, the Puerto Rico Electric Power Authority (PREPA) is reporting 94.4% restoration with 86,997 customers (5.6% of total customers) without power.
  - The San Juan region continues to be the most heavily impacted region, with 23.8% of customers without power. PREPA Executive Director Ricardo Ramos estimated 99% of customers in the San Juan area will be restored by Friday, September 15.
- Yesterday, September 14, restoration crews worked to restore power to a key water production facility on St. Thomas.
- Once damage assessments to the transmission and distribution systems are completed, a restoration schedule will be developed for St. Thomas
  - As of Tuesday afternoon, September 12, USVI WAPA reported several feeders on St. Thomas are energized. There are currently two generators online with a maximum capacity of 39 MW. An 800 kW generator has arrived at the airport on St. Thomas.
  - The airport and hospital are energized. Besides a few smaller areas, most customers on St. John and St. Thomas remain without power. Restoration efforts will continue as USVI WAPA works to get critical facilities reenergized on the two islands. These islands are interconnected and served by one electric grid.
  - DOE is working closely with industry and FEMA to facilitate mutual aid for the U.S. Virgin Islands.
- USVI WAPA announced an updated restoration schedule on September 15 for areas of St. Croix that continue to experience isolated outages. The island is still expected to be completely restored by end of day September 21, but many customers will receive power before then.

## OIL &amp; GAS SECTOR

## PORTS

- The U.S. Coast Guard has set the following conditions for ports and waterways in the U.S. Southeast and Caribbean as a result of Hurricane Irma. Listed in the table are ports that receive petroleum products.

<b>Status of Southeast and Caribbean Ports as of 2:00 PM EDT 09/15/2017</b>			
<b>Port</b>	<b>Average Daily Receipts (b/d)*</b>	<b>Status</b>	<b>Date Stamp</b>
<b>Sector Miami</b>			
Port Everglades	298,000**	Open with no restrictions.	09/12/17
Miami	1,500	Open with no restrictions.	09/13/17
Port of Palm Beach	500	Open with no restrictions.	09/13/17
<b>Sector Key West</b>			
All Ports	--	Port Condition IV. Closed. Port remains closed, but will reopen to essential traffic once initial assessments complete.	09/12/17
<b>Sector St. Petersburg</b>			
Tampa	273,700	Port Condition IV. Open with restrictions. One way traffic in Egmont Channel day and night. Ft. Myers and all areas south are open.	09/14/17
Port Manatee	700	Port Condition IV. Open with restrictions.	09/12/17
<b>Sector Jacksonville</b>			
Port of Jacksonville	69,800	Port Condition IV. Open without restrictions.	09/13/17
Port Canaveral	32,200	Port Condition IV. Open without restrictions.	09/14/17
<b>Sector Mobile</b>			
Mobile (AL)	168,000	Open. Port Status Normal.	09/11/17
Pascagoula (MS)	(outbound)	Open. Port Status Normal.	09/11/17
Pensacola (FL)	11,400	Open. Port Status Normal.	09/11/17
Panama City (FL)	8,500	Open. Port Status Normal.	09/12/17
Gulf Intercostal Waterway	--	Open. Port Status Normal.	09/13/17
<b>Sector San Juan</b>			
Puerto Rico Ports	139,000**	Port Condition IV. All ports open with no restrictions.	09/14/17
U.S. Virgin Islands Ports	18,000**	Port Condition IV. Frederiksted, St. Croix and East Greggerie Channel remain closed until further notice. Christiansted, St. Croix and Cruz Bay, St. John are open with restrictions. All other USVI ports are fully open.	09/14/17

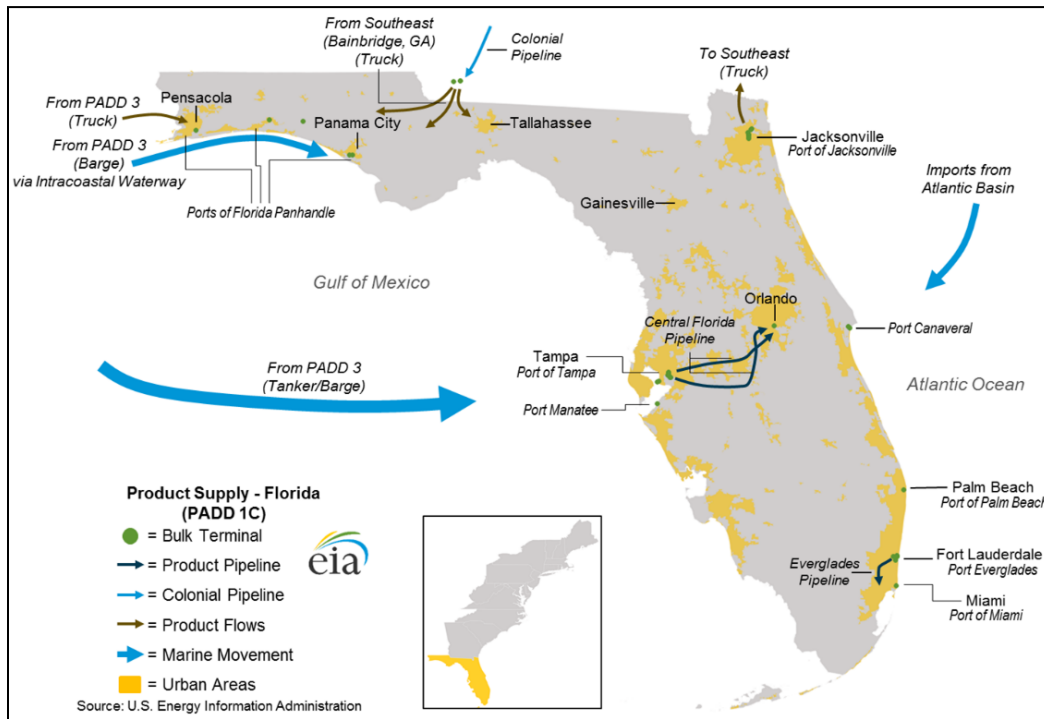
\*Average receipts of transportation fuels (gasoline, distillate, and jet fuel), unless otherwise noted, when port is open.

\*\*Includes bunker fuel and fuel oil and distillate for power generation.

Source: Receipt data from [U.S. EIA](#), USACE data (2013), EIA Company Level Imports



- Below is a map of key petroleum ports and petroleum product pipelines in Florida.



Source: EIA: <https://www.eia.gov/analysis/transportationfuels/padd1n3/>



# Hurricane Harvey

## OIL & GAS SECTOR

### PETROLEUM REFINERIES

- As of 2:00 PM EDT, September 15, three refineries in the Gulf Coast region were shut down, according to public reports. These refineries have a combined refining capacity of 372,000 b/d, equal to 3.8% of total Gulf Coast (PADD 3) refining capacity and 2.0% of total U.S. refining capacity.
- Five refineries are in the process of restarting after being shut down. This process may take several days or weeks to start producing product, depending whether any damage is found during restart. Production should be assumed to be minimal until restart is completed. These refineries have a combined capacity 1,431,699 b/d, equal to 14.8% of total Gulf Coast (PADD 3) refining capacity and 7.7% of total U.S. refining capacity.
- At least six refineries in the Gulf Coast region were operating at reduced rates, according to public reports. These refineries have a combined total capacity of 2,327,500 b/d, equal to 24.0% of total Gulf Coast (PADD 3) refining capacity and 12.6% of total U.S. refining capacity. (NOTE: Actual crude throughput (production) reductions are lower than the total combined capacity).

### PORTS

- The U.S. Coast Guard has set the following conditions for ports and waterways in the U.S. Gulf Coast region as a result of Harvey. Eleven ports are closed or open with restrictions. Crude imports at these ports averaged 2,077,000 b/d from January through May 2017.

Status of Texas and Louisiana Gulf Coast Ports <i>as of 2:00 PM EDT 09/15/2017</i>			
Port	Crude Imports Jan-May 2017 (b/d)	Status	Date Stamp
<b>Sector Corpus Christi</b>			
Brownsville	--	Open.	08/31/17
Corpus Christi	245,000	Port Condition Recovery. Open with restrictions. Allowing vessels up to 43' draft to transit during daytime hours only.	09/11/17
<b>Sector Houston and Galveston</b>			
Freeport	133,000	Open. 24/7. 38' max draft.	09/05/17
Galveston	114,000	Port Condition Recovery. Open with restrictions. Ship channel also open with restrictions. Galveston Bay Entrance Channel, Outer Bar Channel, Inner Bar Channel, Bolivar Roads Anchorages, Bolivar Roads Channel, and Galveston Harbor open, no restrictions, 24/7.	09/08/17



Houston	646,000	Port Condition Recovery. Open with restrictions. Houston Ship Channel open 24/7 below Sidney Sherman bridge with draft restrictions: <ul style="list-style-type: none"> <li>Entrance Channel to Houston Cement West – 40-foot max draft.</li> <li>Houston Cement West to Sidney Sherman Bridge – 36-foot max draft.</li> </ul> Intracoastal Waterway open 24/7.	09/08/17
Texas City	134,000	Open. 24/7.	09/05/17
<b>Sector Port Arthur and Lake Charles</b>			
Beaumont	33,000	Open with restrictions. Shoaling, which caused port closure to ship traffic, was identified 9/10 near ExxonMobil and Port of Beaumont facilities. Max draft of 26 feet established for waters of Neches River from Light 68 to the Port of Beaumont. No daylight restrictions.	09/10/17
Lake Charles	218,000	Port Condition Recovery. Open with restrictions. 37 feet draft restrictions of the Calcasieu Ship Channel.	09/05/17
Nederland	--	Port Condition Recovery. Open with restrictions. 38.5 feet draft restrictions for Sabine-Neches Waterway.	09/09/17
Port Arthur	687,000	Port Condition Recovery. Open with restrictions. 38.5 feet draft restrictions for Sabine-Neches Waterway.	09/09/17
Port Neches	--	Port Condition Recovery. Open with restrictions. 38.5 feet draft restrictions for Sabine-Neches Waterway.	09/09/17
Sabine Pass	--	Port Condition Recovery. Open with restrictions. 38.5 feet draft restrictions for Sabine-Neches Waterway.	09/09/17

Source: U.S. Coast Guard





# Emergency Declarations & Waivers

## EMERGENCY DECLARATIONS

- Twelve states, including Puerto Rico and USVI, have declared state emergencies due to Harvey and Irma. Note that Kansas has not declared a State of Emergency, however is using its resources to assist states affected by Harvey. These declarations automatically waive select Federal Motor Carrier Safety Regulations (FMCSRs), including hours-of-service (HOS) regulations, for motor carriers hauling resources to aid in restoration efforts. The declarations exempt FMCSR in every state along the motor carrier’s route as long as the final destination is with the declared disaster areas. Some HOS waivers apply specifically to the movement of petroleum products in or through the state.
- 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 09/15/2017</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, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, West Virginia, D.C., Puerto Rico, & the U.S. Virgin Islands.	For Harvey: 08/25/17  Expanded for Harvey: 08/31/17  For Irma: 09/06/17  Expanded For Irma: 09/07/17  Extended: 09/11/17	Extension for All States: 09/30/17	Active



Alabama	State of Emergency/HOS waiver issued for petroleum products and petroleum-related supplies, goods, and services in the State.  International Registration Plan and International Fuel Tax Agreement requirement suspended for vehicles engaged in or travelling through Alabama for disaster relief efforts in Florida.	08/30/17  09/08/17	09/29/17  10/08/17	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.	For Harvey: 08/30/17  For Irma: 09/07/17  Expanded for Irma: 09/08/17  Expanded for Irma: 09/10/17	09/22/17	Active
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 relief and 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	Active



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/HOS waiver	09/04/17	--	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/HOS waiver	09/04/17	--	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 until September 26. 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 09/15/2017					
State	Waiver	Issued By	Effective Dates		Status
			Start	End	
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	Active
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	Active
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	Active
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.	U.S. EPA	09/06/17	09/22/17	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	Active
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	Active



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	Active
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	Active
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**

- 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.
- 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.
- On September 8, 2017, **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 Enforcements 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.
- On September 11, the **U.S. 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.

