



## (U) Hurricane Irma: Infrastructure Impact Assessment South Florida: Transportation – 2030 EDT September 7, 2017

### (U) Assessment

(U) OCIA assesses that Hurricane Irma will have a high local impact to the Transportation Systems Sector. Most transportation nodes in the affected areas will cease during the storm. Recovery efforts can take days or weeks, depending on the level of damage and restoration priorities. Figure 1 shows the projected hurricane path as of 0800 EDT September 7, 2017.

(U) CSX Transportation and Florida East Coast Railway will suspend all trains, localizing any disruptions to freight shipments. Amtrak Silver Meteor and Silver Star passenger services are cancelled from September 9-11, 2017. Rail damage may take one to two weeks to repair, causing economic loss and stranded passengers. Miami's Metrobus, Metrorail, and Metromover will halt services until the storm passes and routes can be cleared of debris. Broward County's Space Coast Area Transit services will stop regular bus service starting September 8, 2017.

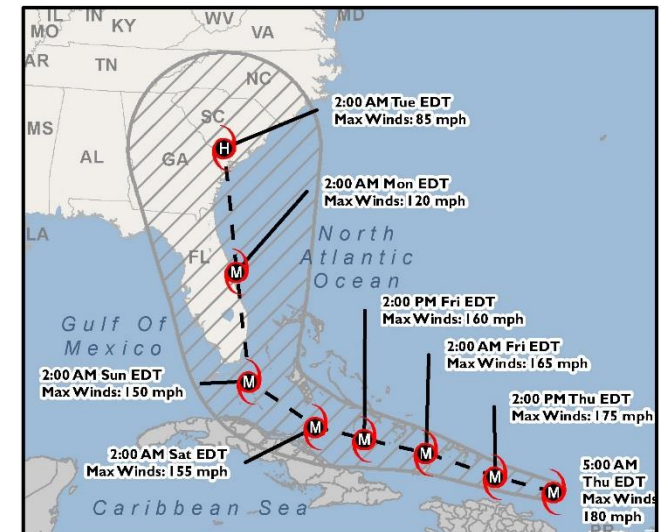
(U) There are four major airports from Miami to Melbourne, Florida; Miami International, Fort Lauderdale-Hollywood International, Palm Beach International, and Melbourne International. Airports will reopen following the storm once power has been restored and damage to airport facilities has been assessed (figure 2).

- (U) Miami International Airport is the 24<sup>th</sup> largest port of entry for imports to the United States, importing \$26.1 billion of goods in 2016. Miami International is the 12<sup>th</sup> largest port of exit for exports from the United States, exporting \$32.6 billion of goods in 2016.
- (U) Miami International Airport is the largest port for imports and exports to and from Central and South America.
- (U) Flights will be cancelled in all airports starting September 8, 2017. The Federal Aviation Administration will not close its control towers until sustained winds reach 55 miles per hour (mph).

(U) Interstates, state highways, and local roads will experience flooding and debris that will hinder evacuations and emergency response. Storm surge can heavily damage and wash out roads and bridges, potentially impacting local traffic for days or weeks following the storm. Mandatory evacuations are underway; early self-evacuations are causing less traffic on interstate highways than anticipated per the 1200 EDT September 7, 2017 FEMA Situation Report.

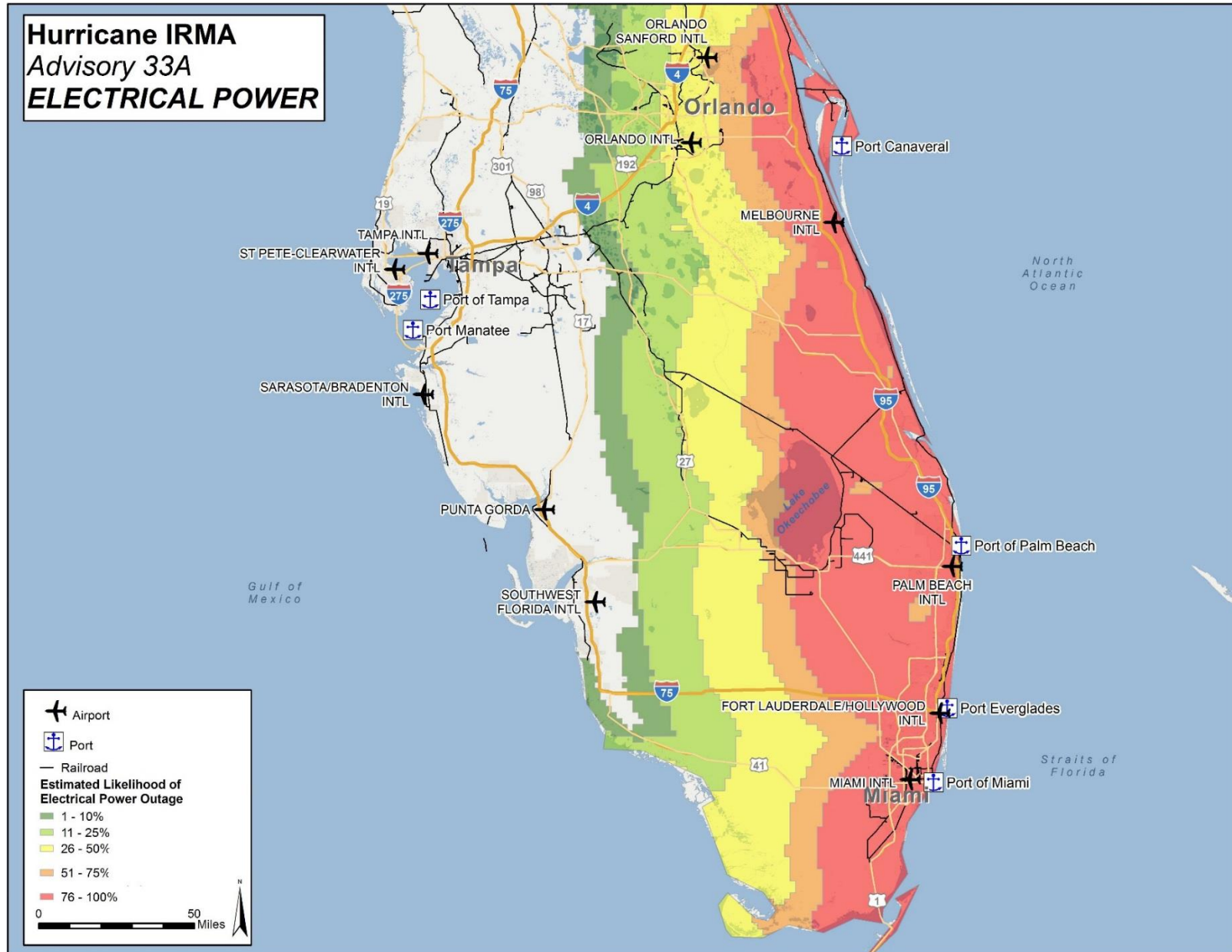
(U) The Port of Miami, Port Everglades, the Port of Palm Beach, and Port Canaveral are likely to experience physical damage due to storm surge. Port facilities will also be impacted by wind damage, loss of power and communications, and roadway blockages. It will take weeks or months to return to full operations at ports and port facilities, depending upon the extent of the damage. For more information, see the 2000 EDT September 7, 2017 OCIA Infrastructure Impact Assessment on impacts to Florida ports from Hurricane Irma.

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(U//FOUO) FIGURE 1— HURRICANE IRMA TRACK AS OF 0800 EDT SEPTEMBER 7, 2017

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(U//FOUO) FIGURE I – TRANSPORTATION ASSETS WITHIN ESTIMATED POWER OUTAGE RANGES AS OF 0800 EDT SEPTEMBER 7, 2017