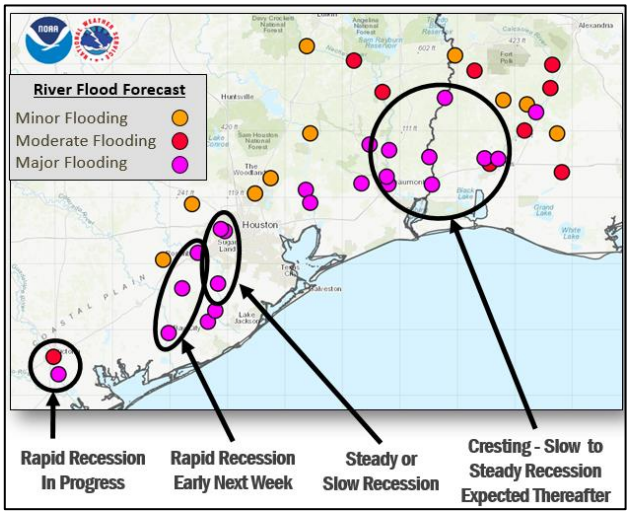
Senior Leadership Briefing
Post-Tropical Cyclone Harvey and Hurricane Irma
Sunday, September 3, 2017 (5:00 a.m. EDT)
Updates in Blue

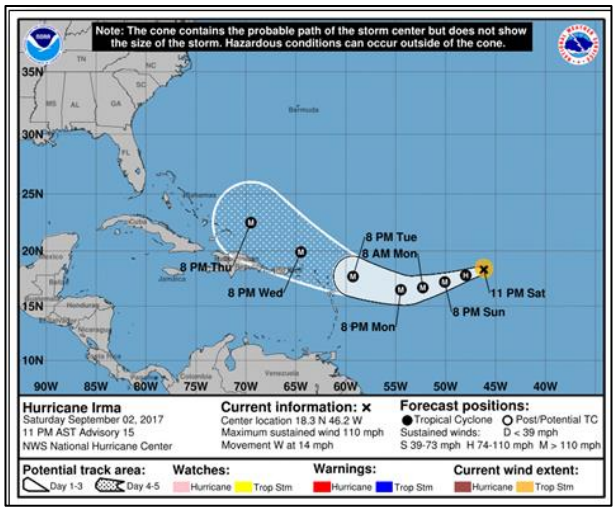
Overview:
FEMA is coordinating the interagency and multi-regional response to multiple events. FEMA is monitoring Post-Tropical Cyclone Harvey in the Northeast U.S. and Hurricane Irma in the Atlantic.

Current Situation:

Post Tropical Cyclone Harvey
As of 5:00 a.m. EST, post-tropical Harvey continues to weaken as it moves further to the Northeast over the northern sections of the Mid-Atlantic. Harvey will interact with a separate low pressure system and produce as much as 1 to 2 inches of rain over the Northeast U.S. during the day. Isolated flash flooding may occur, but not on a widespread area. Harvey is expected to dissipate later today as it pushes into extreme coastal Canada. *(NOAA Update, September 3, 2017, 1:22 a.m. EDT)*



Hurricane Irma
As of 5:00 a.m. EST (0300 UTC), the eye of Hurricane Irma was located near latitude 18.3 North, longitude 46.2 West. Irma is moving toward the west near 14 mph (22 km/h), and a motion just south of due west is expected for the next 48 hours. Maximum sustained winds remain near 110 mph (175 km/h) with higher gusts. Some strengthening is forecast during the next 48 hours. There are currently no watches or warnings issued for this system. *(NOAA Update, September 3, 2017, 1:22 a.m. EDT)*



Impact Summary:
- **Shelters:** 277 shelters open with a population of 38,873; 270 shelters with a population of 36,795 in TX and seven shelters with a population of 2,078 in LA *(ESF-6 Update, September 2, 2017, 12:53 p.m. EDT)*
- **Fatalities:** Media reporting at least 43 fatalities; state has not confirmed number of fatalities *(Associated Press, September 2, 2017, 1:30 p.m. EDT)*
- **Schools:** 190 schools reporting damage; 20 with extensive damage, 75 with major damage; anticipating up to 15,000 students displaced *(Region VI RRCC ICU, September 2, 2017, 5:54 p.m. EDT)*

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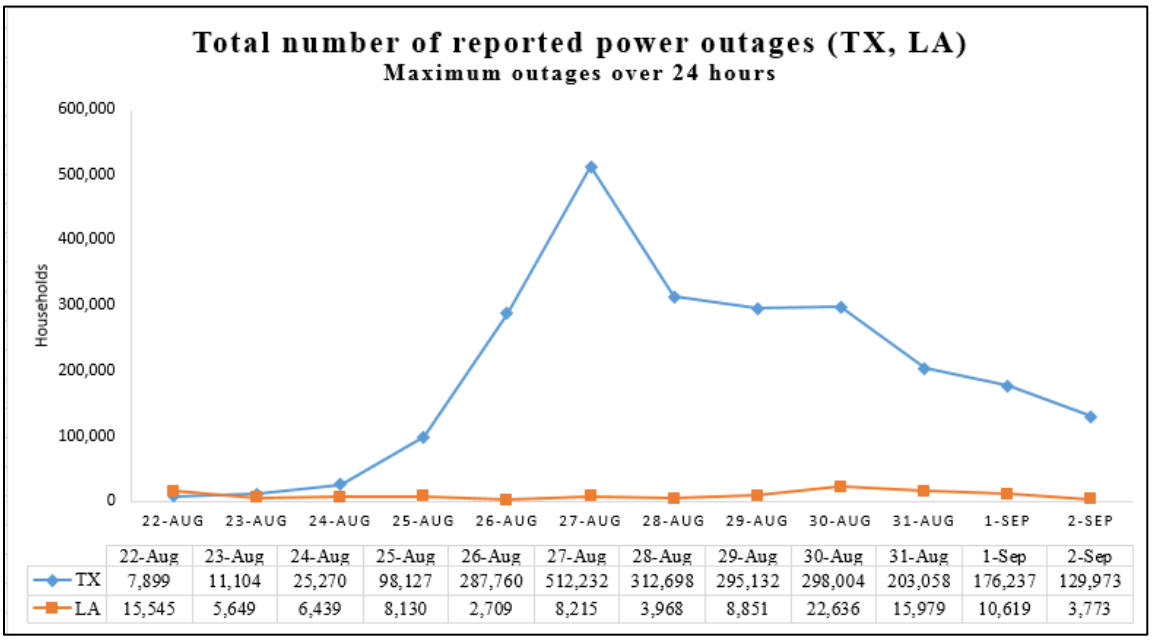
- **Critical Infrastructure:**
  - Airports: All airports open and fully operational except for Jack Brooks Regional, which will remain closed until September 4, 2017 *(ESF 1 Update, September 2, 2017, 1:25 p.m. EDT)*
  - Power Outages:
    - 103,566 customers in TX without power (<1% of total state customers)
    - 487 Louisiana customers in Vernon Parish remain without power, remaining offline until flood water recedes
    - 106,813 b/d (6.1%) oil production and 337.2 MMcf/d (10.47%) natural gas production in U.S. Gulf of Mexico (GOM) federally-administered areas remain "shut-in" (precaution to restrict supply) (*(ESF #12 Sit Rep #18; September 2,2017, 3:45 p.m. EDT)*



	22-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug	1-Sep	2-Sep
TX	7,899	11,104	25,270	98,127	287,760	512,232	312,698	295,132	298,004	203,058	176,237	129,973
LA	15,545	5,649	6,439	8,130	2,709	8,215	3,968	8,851	22,636	15,979	10,619	3,773

  - Communications: 105,413 (218 in LA and 105,195 [-25,714] TX) landline consumers out of service *(ESF-2 Update, September 2, 2017, 1:42 p.m. EDT)*
  - Oil and Natural Gas:
    - Seven (+1) refineries in process of restarting from being shut down, with four (-1) operating at reduced rates *(ESF-12 Update, September 2, 2:30 p.m. EDT)*
    - 75 platforms remain evacuated and no rigs remain evacuated and personnel have returned to all non-dynamically positioned rigs remain evacuated and all Dynamic Position Rigs are on station; 152,989 barrels of oil are "shut in" (not currently in production) while 405.99 million cubic feet per day is "shut in" for gas production in the federally administered areas of the Gulf of Mexico
    - Of 62 petroleum facilities, 26% (-5%) are not operational with 29% (+3%) partially operational. Of 113 bulk liquid facilities, 23% (-2%) are not operational and 20% (+1%) are partially operational. *(USCG Update, September 2, 2017, 2:16 p.m. EDT)*
  - Water:
    - Limited or no water capacity in 20 of 35 declared counties, and reduced capacity in two *(TX SWEAT Report, September 3, 2017, 5:00 p.m. EDT)*
    - 61 of 4,512 drinking water systems (affecting 226,999 people) are not functioning from power loss or damage; approximately 166 TX water supply systems (affecting 264,431 people) are under boil water requirements *(TX SWEAT Report, September 2, 2017, 5:00 p.m. EDT)*
    - 30 waste water systems are shut down *(ESF 10 Update, September 2, 2017, 11:31 p.m. EDT)*

Major Flooding: Recession Timing

Basin	Gauge Location	Forecast to Recede Below Major Flooding
Guadalupe River	Near Bloomington, TX	Early Sunday Morning (9/3)
San Bernard River	Near Boling, TX	Monday (9/4)
Brazos River	Richmond, TX Near Rosharon, TX	Monday (9/4) Beyond Thursday (9/7)
Buffalo Bayou	West Belt Drive (Houston, TX) Piney Point Village (Houston, TX)	Until Further Notice *Dictated by releases from Addicks and Barker
Trinity River	Below Lake Limestone	By Tuesday (9/5) *Lake Livingston Dam reducing releases
Neches River	Evadale, TX Saltwater Barrier, TX Baumont, TX	Sunday (9/3) Beyond Thursday (9/7) Beyond Thursday (9/7)
Sabine River	Near Bon Wier, TX Deweyville, TX Orange, TX	Possible by Middle to Late Next Week *Toledo Bend Reservoir still releasing
Calcasieu River	Oberlin, LA Near Old Town Bay, LA	Possible by Middle to Late Next Week

(NOAA Update, September 3, 2017, 1:11 a.m. EDT)

Declaration Activity:

- **Texas**
  - Major Disaster Declaration FEMA-4332-DR-TX effective August 25, 2017:
    - Amendment No. 4, effective September 2, authorizes 90% federal cost share for debris removal, including direct Federal assistance, and a 100% federal cost share for emergency protective measures, including direct federal assistance, for 30 days from the start of the incident period, and then a 90% federal cost share thereafter *(Amendment No. 4 to Disaster Declaration, September 2, 2017)*
    - The total number of counties under disaster declaration is 36 *(Amendment No. 3 to Disaster Declaration, September 1, 2017)*
    - Federal Coordinating Officer (FCO) is Kevin L. Hannes *(Amendment No. 1 to Disaster Declaration, August 27, 2017)*
- **Louisiana**
  - Emergency Declaration FEMA-3382-EM-LA effective August 27, 2017:
    - The total number of parishes under disaster declaration is 12 *(Region VI Situational Awareness Section, September 1, 2017, 12:01 p.m. EDT)*
    - FCO is William J. Doran II

Federal Force Laydown: (See Federal Force Laydown Map, page 10)

Department/Agency	Personnel Deployed	Department/Agency	Personnel Deployed
FEMA – Deployed	2,114 (0)	National Weather Service	82 (0)
FEMA – Other Support	2,050 (0)	DOD – NGB Title 32/SAD	16,302 (0)
Urban Search & Rescue	1,136 (0)	DOD NGB – Title X	1,982 (0)
Health and Human Services	1,359 (+44)	General Services Administration	45 (0)
Department of Transportation	12 (0)	U.S. Army Corps of Engineers	195 (+65)
United States Coast Guard	1,522 (-59)	Department of Interior	239 (+20)
DHS – NPPD	24 (0)	U.S. Forest Service	271 (+8)
Department of Energy*	5 (0)	Small Business Administration	102 (0)
US Department of Agriculture	7 (0)	Transportation Security Administration	634 (-466)
Law Enforcement (ESF 13)	1,060 (-190)	Housing and Urban Development	1 (0)
Customs and Border Protection	742 (0)	Department of State	6 (0)
TOTAL			29,890 (-181)

*3 DOE deployed for Irma

Responder Base Housing:

Location	Total Capacity	Start Date (Estimate)
Ford Park (Beaumont)	500-1500	9/8/2017
Cabaniss Field (Corpus Christi	500	9/7/2017
USS Lexington (Corpus Christi)	350-500	9/2/2017
Humble Box Store (Houston	Up to 1000	TBD
Walmart Box Store (Houston)	Up to 2000	TBD
USS Kennedy	500	Verbally locked-in but on hold
USS Empire State	500	Verbally locked-in but on hold
General Rudder	50	On hold

FEMA Headquarters:

- National Response Coordination Center (NRCC) activated to Level I (24/7) (all Emergency Support Functions [ESFs] and Liaison Officers [LNOs]) *(NRCC Planning Section Update, August 28, 2017, 4:00 p.m. EDT)*
- FEMA Region II Incident Management Assistance Team (IMAT) 1 demobilized for possible deployment for Irma *(Region VI Situational Awareness Section, September 1, 2017, 12:01 p.m. EDT)*
- **Recovery**
  - Total Individual Housing Program (IHP) registrations: 525,991 (+18,887)
  - Total IHP dollars approved: $122,974,616 (+$8,235,061)
    - Housing Assistance: $38,280,610 (+$4,610,071)
    - Other Needs Assistance: $84,694,005 (+$3,624,989)
  - 100,205 housing inspections issued; 20,204 complete *(Open Disaster Report, September 2, 2017, 11:00 p.m. EDT)*
  - 214,176 applicants eligible for Transitional Sheltering Assistance; 14,999 signed in *(Transitional Sheltering Assistance Summary, September 2, 2017, 6:23 p.m. EDT)*
  - Surge staffing continues for FEMA Strategic Workforce Augmentation Team (SWAT) for taking calls from three NPSCs, FEMA pop-ups, Headquarters, all FEMA Regions, and from home; 2,587 staff, including SWAT, projected to be online with capacity for 39,402 calls
  - Housing Inspection Services confirmed 1,515 (+26) badged inspectors are on the ground *(Recovery Contact Center Surge Staffing Timeline, September 2, 2017, 10:30 a.m. EDT)*

- **Federal Insurance and Mitigation Administration**
  - As of September 2, 2017, over $2.9M in advance payments has been issued to insured survivors
  - Over 67,000 (+4,000) National Flood Insurance Program (NFIP) claims submitted (66,829 in TX and 288 in LA) *(FIMA Update, September 2, 2017, 1:56 p.m. EDT)*
  - Flood insurance in the projected path for Hurricane Irma: Puerto Rico has 4,713 Contracts in Force (CIF), 6,079 Policies in Force (PIF); US Virgin Islands has 1,026 CIF, 1,418 PIF *(FIMA Update, September 3, 2017, 12:34 a.m. EDT)*

FEMA Region VI:

- Regional Response Coordination Center (RRCC) activated to Level I (24/7)
- Joint Field Office (JFO) in Austin, TX open
- Region VI IMAT Team 1 demobilized from LA EOC *(FEMA Region VI Spot Report, September 2, 2017, 12:27 p.m. EDT)*
- **Texas**
  - State EOC at Full Activation
  - 31 states are actively or in the process of providing support via EMAC *(National EMAC Update, September 3, 2017, 1:00 a.m. EDT)*
  - Houston, TX implemented a curfew from 10:00 p.m. to 5:00 a.m. until further notice *(ESF-13 Update, September 1, 2017, 11:41 a.m. EDT)*
  - TX National Guard, US Coast Guard, and American Airlines, through combined resources, evacuated 2,080 individuals from Beaumont, TX *(Region VI SAS Unit Lead, September 1, 2017, 11:59 p.m. EDT)*
- **Louisiana**
  - State EOC transitioned to Level III (24/7) Operations *(FEMA Region VI Spot Report, September 2, 2017, 12:27 p.m. EDT)*
  - New Orleans EOC at Full Activation *(FEMA Region VI Spot Report, August 30, 2017, 1:00 a.m. EDT*

FEMA Region II:

- RRCC activating to Level II (24/7) September 3 at 8:00 a.m.
- IMAT-A and IMAT-B deploying to U.S. Virgin Islands; IMAT-C to Puerto Rico in preparation to Hurricane Irma *(Region II Daily Situational Awareness Report, September 2, 2017, 3:00 p.m.)*

Interagency Coordination/Response:

- ***ESF-1: Transportation***
  - Two East Coast MARAD ships (Empire State and Kennedy) planning to set sail for Texas and provide federal response berthing, arriving September 13 *(Region 6 Email update, September 3, 2017, 2:11 a.m. EDT)*
  - United States Coast Guard (USCG), in partnership with other agencies and private industry, is working on surveying channels, repairing aids to navigation, and removing obstructions *(USCG Update, September 2, 2017, 2:00 p.m. EDT)*
- ***ESF-2 Communications***
  - Public Safety Answering Points (PSAPs): Six (-1) PSAPs out of service, but all have been re-routed so calls can still be answered; PSAPs are responsible for answering calls made to emergency services
  - Reported cell tower outages 2.0% (-0.4%) *(ESF-2 Update, September 2, 2017, 3:37 p.m. EDT)*
- ***ESF-3: Public Works and Engineering***
  - Beaumont, TX surface water treatment plant (SWTP) is producing 20 million gallons per day as of September 2 at 9:00 a.m.; water distribution is limited at this time due to the inability to maintain adequate pressure; operators are slowly opening main distribution lines and determining where pressure is being lost so repairs can be made; repairs will be a slow, methodical process to bring the entire system up to desired pressure
    - USACE pumps were delivered to the SWTP, however the water plant operator is using pumps provided by a private vendor to bring water directly from the Neches River into the SWTP and retaining the USACE supplied pumps as a backup
    - Estimated demand will be above the 20 million gallons per day currently being produced by the plant. Elevated storage tanks and groundwater tanks are mostly full; delivery of water at any point

in the system is variable and dependent on where adequate pressure is established; water is not potable and may only be used to flush or bathe
    - Beaumont will be on boil water notice for another 3-4 weeks *(IAB, September 3, 2017, 2:18 a.m.)*
  - 38 generator installations complete, 1 generator de-installation requested; no new generator installs requested or in progress *(ESF-3 Update, September 2, 2017, 7:23 p.m. EDT)*
- ***ESF-6: Mass Care***
  - Developing plan for feeding and transportation services for survivors enrolled in Transitional Sheltering Assistance program
  - Two Disaster Recovery Centers (DRC) scheduled to open on September 3 in Colorado and Fayette counties; 45 DRC Managers deployed; 16 additional DRC Managers available for deployment
  - General Services Administration coordinating a request from Texas to establish a donation warehouse
  - Voluntary Agency Liaisons continue coordination with FEMA International Affairs, FEMA Logistics, and Salvation Army to receive and distribute a plane load of donations arriving September 3 from Canada *(ESF 6 Update, September 3, 2017 1:12 a.m. EDT)*
- ***ESF-7: Logistics Management and Resource Support***
  - Continuing to contract support services to standup the USS Lexington Air Craft Carrier first responder lodging facility
  - Shipped 500 Living Kits containing pillows, bed linen and towels from the Mobile Housing Unit (MHU) Staging Area at Sherwood Forrest, LA to USS Lexington lodging facility in Corpus Christi, TX *(ESF-7 Update, September 3, 2017, 1:51 a.m. EDT)*
  - Mature supply chain delivering 3 million liters of water and 2 million meals daily through two Incident Support Bases (ISBs) (Air Field Seguin and Joint Base Randolph) to 24 Points of Distribution (PODs) supporting survivors; on Sunday, HQ Logistics will work with Region 6 to update supply chain delivery numbers based on current consumption
  - Redirecting Louisiana ISB team to Beaumont's Ford Park ISB; expect full operational capability by September 3
  - 600,000 gallons of fuel ordered and available to be dispensed at 16 sites; 155,000 gallons are positioned throughout TX and 17,400 have been used *(ESF-7 Update, September 2, 2017, 3:50 p.m. EDT)*
  - 12 (-20) of 330 General Services Administration (GSA) owned and leased federal buildings in affected areas in TX and LA closed *(ESF-7 Update, September 2, 2017, 3:20 p.m. EDT)*

Commodities Staged in TX

Product	Number Ordered	En route - ISB/FSA	Arrived - ISB/FSA	Released to State
Generators	201	51	147	0
Meals	26,927,120	2,825,704	7,979,462	5,107,296
Sheeting	8,000	0	8,064	0
Tarps	24,188	1,560	22,426	0
Water (Liters)	42,464,606	4,944,318	11,131,883	4,547,822
Blankets	128,002	0	128,937	13,995
Cots	84,61	14,284	44,929	13,472
Fuel	600,000	6,000	96,480	0
Infant/Toddler Kits	445	193	218	67
Durable Medical Equipment (reusable)	63	8	7	0
Consumable Medical Supplies (one-time use)	35	4	3	0

(ESF-7 Update, September 3, 2017, 11:00 p.m. EDT)

Commodities Staged in LA

Product	Number Ordered	En route - ISB/FSA	Arrived - ISB/FSA	Released to State
Generators	29	0	29	0
Meals	1,419,000	0	1,475,076	416,124
Tarps	22,000	0	19,088	0
Water (Liters)	2,000,000	0	2,029,706	414,069
Blankets	4,500	0	5,202	0
Cots	2,100	0	2,160	0
Infant/Toddler Kits	10	0	20	0
Durable Medical Equipment (reusable)	1	0	1	0
Consumable Medical Supplies (one-time use)	1	0	1	0

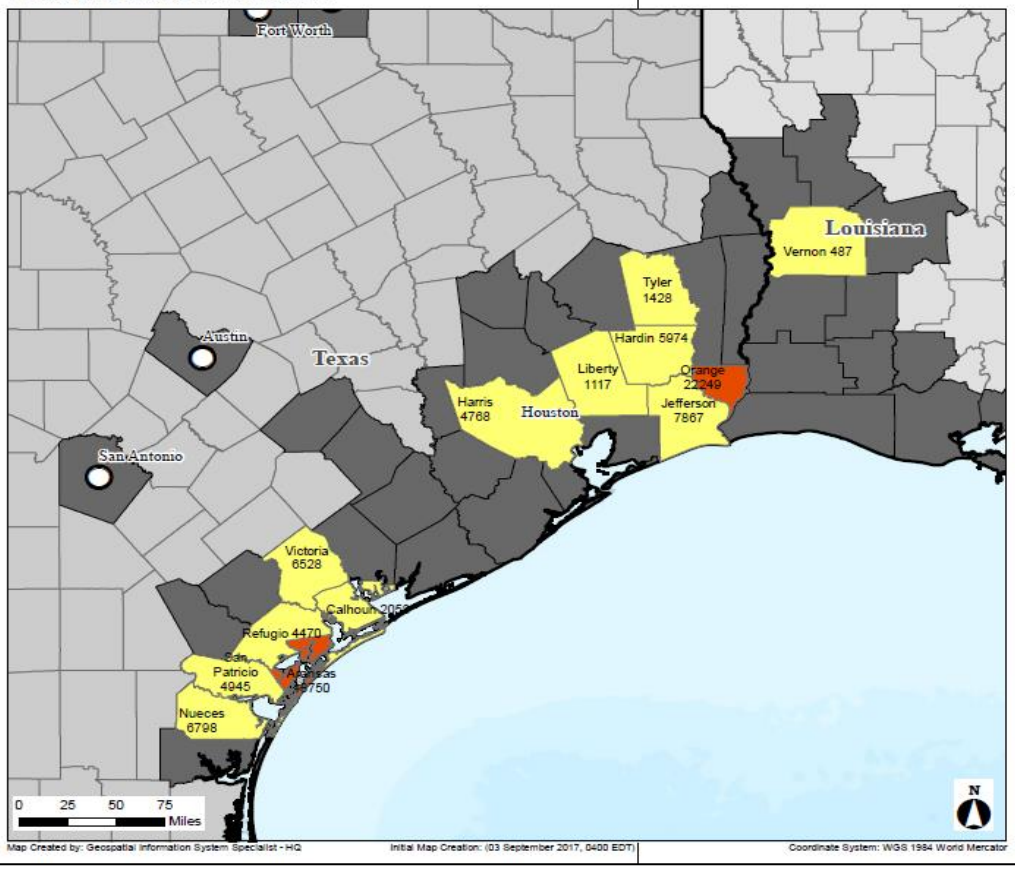
(ESF-7 Update, September 3, 2017, 11:00 p.m. EDT)

- ***ESF-8: Public Health and Medical Services***
  - Fatality management subject matter experts beginning demobilization September 3, 2017
  - Assessing continued need for patient movement support personnel; may reduce staffing based on findings *(ESF 8 Update, September 2, 2017, 11:35 p.m. EDT)*
  - 12 hospitals closed: 3 in Beaumont, 5 in Houston, 2 in Victoria, and 2 in Corpus Christi; 7 hospitals on Internal Disaster Status and Sheltering in Place, including 4 in Beaumont *(ESF 8 Update, September 3, 2017, 12:58 p.m. EDT)*
  - 51 nursing homes and 24 dialysis facilities currently closed *(ESF 8 Update, September 2, 2017, 11:20 p.m. EDT)*
  - Department of Health and Human Services (HHS) Emergency Management Group activated to provide support for Hurricane Irma starting September 3; planning to deploy Incident Response Coordination Team – Forward Component to San Juan, PR
- ***ESF-9: Search and Rescue (SAR)***
  - Significant evacuation operations continue in Beaumont where 1,412 civilians were flown out of the Jack Brooks Regional Airport; shallow water assets are also staged at the airport *(ESF-9 Update, September 2, 2017, 1:24 p.m. EDT)*
  - Total number of people rescued by Federal responders to date estimated at over 35,947 individuals and 2,580 pets
    - FEMA Urban Search and Rescue (US&R): Rescued/assisted roughly 6,453 individuals and 237 pets *(ESF-9 Update, September 2, 2017, 11:13 p.m. EDT)*
    - USCG: Rescued or assisted 10,972 survivors and 1,379 pets *(USCG Update,, September 2, 2017, 7:19 p.m. EDT)*
    - DoD/Title 10 and 32: 2,041 rescued *(DoD update, September 3, 2017, 12:17 a.m. EDT)*
    - National Guard Bureau (NGB): Rescued 15,021 survivors and 935 pets *(NGB update, September 2, 2017, 6:35 p.m. EDT)*
    - U.S. Customs and Border Protection (CBP): 1,360 people rescued and 29 pets *(CBP update, September 2, 2017, 2:02 p.m. EDT)*
- ***ESF-10: Oil and Hazardous Materials Response***
  - Efforts related to explosion at the Arkema Chemical Plant in Harris County, TX:
    - Confirmed evacuation zone has not changed; remains 1.5 miles
    - EPA identified additional risk for another explosion event at the facility and is monitoring and coordinating response
    - EPA's mobile laboratory continues to analyze water samples and maintain 24-hour air monitoring capabilities *(ESF-10 update, September 2, 2017, 11:11 p.m. EDT)*
  - USCG Sector Houston-Galveston reported six hazmat spills
    - 20,000 barrels (860,000 gallons) of gasoline spilled into containment; foam has been applied
    - 100,000 gallons of glycerin/methyl alcohol spilled into containment; cleanup operations ongoing *(USCG update, September 2, 2017, 2:52 p.m.)*
  - 12 additional teams consisting of USCG, EPA and Texas Commission on Environmental Quality were deployed to Houston to assist with hazard evaluations and Rapid Needs Assessments in response to the 165 oil/hazmat incident reports *(ESF 10 update, September 2, 2017, 11:11 p.m. EDT)*

- ***ESF-11: Agriculture and Natural Resources***
  - USDA foods from the San Antonio warehouse have been successfully delivered to the Salvation Army; additional loads from Dallas and Houston are scheduled to be delivered today
  - No anticipated shortfalls for veterinary support; TX reports that veterinary assets well organized through TX-area providers
  - Supplemental Nutrition Assistance Program (SNAP) households that used August benefits will have a percentage automatically added to EBT card to replace lost food quickly for 29 counties; all September benefits issued
  - SNAP Evacuee Policy issued September 2, outlining SNAP benefit enrollment process for relocated survivors
  - Houston Independent School district opened meal sites on September 2; additional site openings expected in coming days *(ESF-15 update, September 3, 2017, 1:17 a.m.)*
- ***ESF-12: Energy***
  - Colonial Pipeline anticipates Houston service restoration expected by September 3, provided no major flood damage uncovered during inspections; shipments moving at a reduced rate *(ESF-12 Update, September 2, 2017, 11:05 p.m. EDT)*
- ***ESF-13: Public Safety and Security***
  - U.S. Marshals Service (USMS) has deputized 203 Federal agents and local constables have made a further 93 state deputations *(ESF-13 Update, September 2, 2017, 12:09 p.m. EDT)*
- ***ESF-15: External Affairs***
  - FEMA Administrator appearing on Sunday morning television shows, focusing on managing expectations Individual Assistance (IA)
  - Continuing to push joint messaging on recovery actions and efforts in the public and environmental health space, such as medical services at shelters, food assistance, mold and other cleanup, and air quality
  - Fully transitioning multiple External Affairs functions to the Joint Field Office (JFO) on September 3 *(ESF-15 update, September 2, 2017, 11:24 p.m.)*
  - Social media: Many people outside the affected area are sharing articles regarding the superfund sites and hazardous waste in floodwaters. Most people are expressing concern that the government (specifically the EPA) is not responding. This has led to a great deal of confusion and conversation about what the EPA should or can do in response to the possible contamination of floodwaters *(ESF-15 update, September 2, 2017, 11:38 p.m.)*
- ***U.S. Coast Guard***
  - USCG beginning aircraft and small boat demobilization in preparation for expected response to Hurricane Irma; planning for systematic redeployment of assets and people in Puerto Rico, U.S. Virgin Islands, Florida *(USCG Update, September 3, 2017, 3:58 a.m. EDT)*
- ***U.S. Department of the Interior (DOI)***
  - United States Geological Survey (USGS) coordinating Interagency Agreement to develop inundation mapping once high water mark and peak streamflow information is collected and processed; expected completion of final agreement week of September 4, once scope of work is known *(DOI Update, September 2, 2017, 11:47 p.m. EDT)*
- ***U.S. Department of Defense***
  - Northern Command (NORTHCOM)
    - Department of Defense (DoD) aircraft have flown more than 127 sorties to rescue 2,041 individuals
    - Operations continue to shift from immediate lifesaving toward sustainment and stabilization *(DOD Update, September 3, 2017, 12:17 a.m. EDT)*
    - DoD is prepared to support Hurricane Irma operations; ready to deploy Defense Coordinating Officer (DCO)/Defense Coordinating Element (DCE) and Joint Enabling Capability to potential areas of impact *(DOD Update, September 3, 2017, 12:41 a.m. EDT)*
  - Defense Logistics Agency (DLA)
    - DLA coordinating on-going shelf-stable food and bottled water deliveries to ISBs *(DOD Update, September 3, 2017, 12:17 a.m. EDT)*

Power Outage Overview: (03 September 2017, 0400 EDT)

FEMA-4332-DR-TX & 3382-EM-LA



Map Created by: Geospatial Information System Specialist - HQ | Initial Map Creation: (03 September 2017, 0400 EDT) | Coordinate System: WGS 1984 World Mercator

Data Layer/Map Desciption:

This map displays current power outages for customers in Texas and Louisiana by county and parish.

Category

- 1,000 - 10,000 Outages
- >10,000 Outages
- Counties - Texas
- Counties - Louisiana

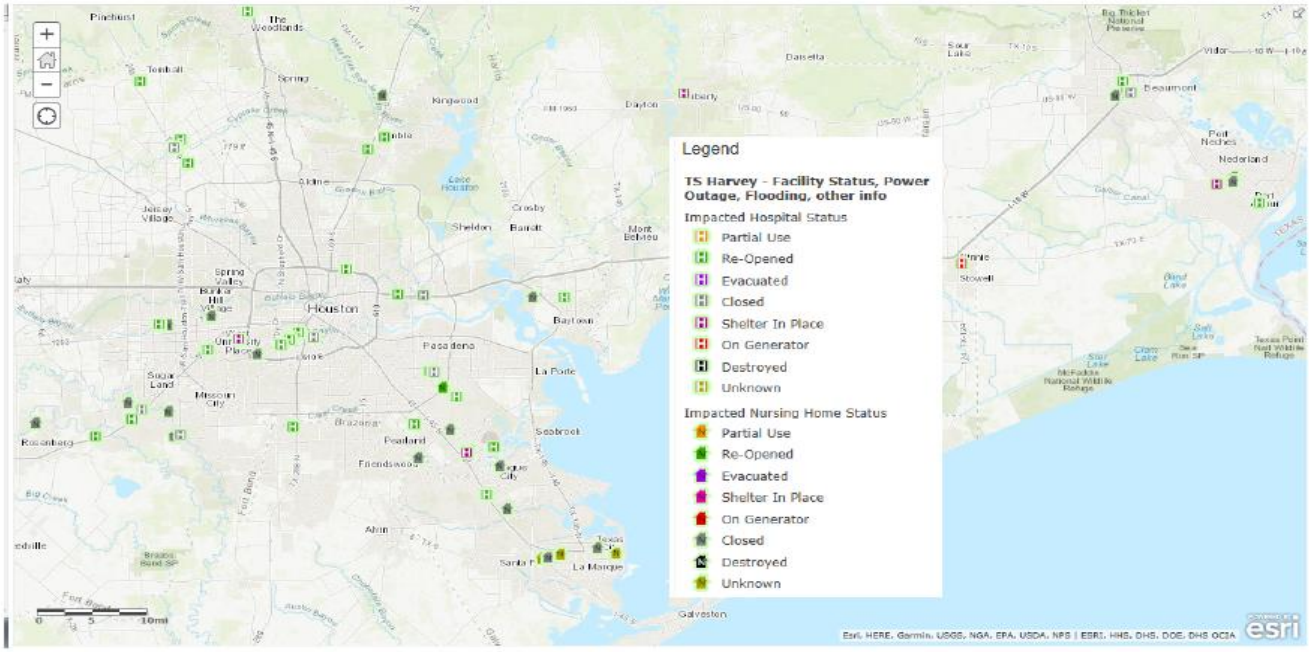
Louisiana Parishes>100 outages	
Vernon	487

Texas Counties>1000 outages	
County	Outages
Orange	22249
Aransas	18750
Jefferson	7867
Nueces	6798
Victoria	6528
Hardin	5974
San Patricio	4945
Harris	4768
Refugio	4470
Calhoun	2058
Callahan	1859
Mitchell	1781
Runnels	1558
Tyler	1428
Liberty	1117
Total	92150

Data Sources:
FEMA, ESRI;

Houston and Beaumont Hospital and Nursing Home Status (09/03/2017 0000)

FEMA-4332-DR-TX - Hurricane Harvey



Data Sources:
HHS and Texas SMOC

Federal Force Laydown Map

(As of September 3, 2017 5:00 a.m. EDT)

OTHER SUPPORT / SERVICES
(Not shown on map)
FEMA: Responders on the ground, 2,114. Nat'l EMS Contract Support: 200 ground ambulances, 25 RW, 29 FW aircraft. Surge Capacity Force (243 Denton PMC, 334 Anniston)
ESF-13: 1242 In theater, 386 in transit, 214 Additional Personnel Requested
TSA: 402 Surge Capacity Force personnel;
DOD: FW air: C-5, C-17, C-130. RW air: SAR, Heavy Lift, Medium Lift and Medivac assets. High Water Vehicles. AAV, 1,63 (Title 10) personnel, 1638 DoD mission partners.
USACE: 247
USCG: 1,522 (including local), 77 National Strike Force, 7 Offshore Cutters
DOT MARAD: 2 ships headed to Texas by 9/13/17 **NPPD:** CS&C with FAA on UAVs
DNDO: Mobile Radiation Portal Monitors,
GSA: 2 Teams-Public Building Services inspections
FAA: FRA activated Emergency Relief Docket
ATF, DEA, BOP, ICE, FBI, BIA, USCG: Mobile Command Vehicles
USACE, NOAA, USCG: Aids to Navigation (assets pre-staged)
USDA: APHIS; FNS; FSIS
CBP: 13 RW, 8 FW aircraft, 51 boats, 739 personnel
National Guard: 90 aircraft, 17,928 personnel
USGS: 4 High Water Mark Surveys, 11
DOI: 90 boats, 34 UAS on standby

DENTON (Region VI HQ)
FEMA: Personnel Mobilization Center (147 staff, 482 responders), RRCC (FEMA and ESF personnel), NPSC, FEMA Corps 20, MERS Detachment (17 MERS staff)
EPA: Pre-staged responders

DALLAS / FORT WORTH
FEMA: Distribution Center, 12 MCOVs (+1 inbound), 91 (staff, FEMA Corps)
TSA: 35 NDOs arrived at Houston Hobby (HOU on 9/2/17), 5 K9 teams
HHS: ESF-8 Mob Center, 1 IRCT, 8 DMAT, 1 DMORT Assessment, 1 DMORT SME, 1 RDF, 2 MHT, 0 SATs, 6FMS, 1 Mobilization team, 22 DEMPS, 2 Mobile Veteran Service Trailer, 1 MMU, 8 JPATS, 31 LRAT, 4 SMS,
EPA: N-IMAT deployed

COLLEGE STATION (US&R AND ISB)
FEMA: FSARCG, US&R IST, US&R HEPP, MERS Assets, 35 staff
USDA: 4 ESF-4 IMTs
DOI: 9 pilots, 8 boats, and 18 personnel

BEAUMONT/PORT ARTHUR
FEMA: 7 Responders
CBP: 7 helicopters; 3 fixed wing aircraft
USCG: 07 shallow boat teams, 27 boats, Coast Guard Marine Safety Unit Port Arthur
HHS: EMTF (1 MMU – Type I, 1 MMU – Type III, 1 TFL, 2 AMBUSs, 2 ASTs, 2 M-ISTs), 1 DMAT, 1 Ambulance ST

AUSTIN (TX State EOC, IOF)
FEMA: 755 (Responders, National IMAT West, 3 Regional IMATs, FEMA Corps), MERS Assets, 3 MCOV
HHS: 1 DMORT
CAP: 26 aircraft, 170 personnel
EPA: 10 personnel deployed to assist TCEQ's Drinking Water & Waste Water

CAMP BEAUREGARD
FEMA: 28 Responders

BATON ROUGE (LA STATE EOC)
FEMA: 1, MERS Assets (11 FEMA staff, R-VI IMAT)
HHS: IRCT-F, 1 DMAT, 4 RDF, 2 FMS teams/caches

NEW ORLEANS
USCG: 5 helicopter, 3 cutters

VICTORIA
FEMA: MERS Assets

BEEVILLE
FEMA: 6 MCOV

KATY
FEMA: 11 Responders, US&R base of operations with Blue IST, federal search & rescue coordination group, 6 Type 1 TFs, 8 Type 3 TFs, 13 water rescue teams, 7 HEPP
ESF-13: Law Enforcement Responder Camp (100 personnel)

SAN ANTONIO
(Branch, Staging Area)
FEMA: 53 (R-V IMAT, FEMA staff), 2 US&R w/ HEPP (5) and MRP (13)
DOD: FSA at Kelly AFB
HHS: EMTF (1 AMBUS, 1 Type II Staging Site, 2 FOGs, 5 Air Ambulances); 1 TCCT, 1 Ambulance ST
CAP: 150 personnel (Incident Command Post)
ESF-13: Field Support Team 22 personnel

RANDOLPH AFB / SEGUIN, TX
FEMA: ISB, MERS Assets, 2 MCOVs 89 FEMA staff)
DLA: Expeditionary Distribution to manage/ship trailers (Seguin ISB)

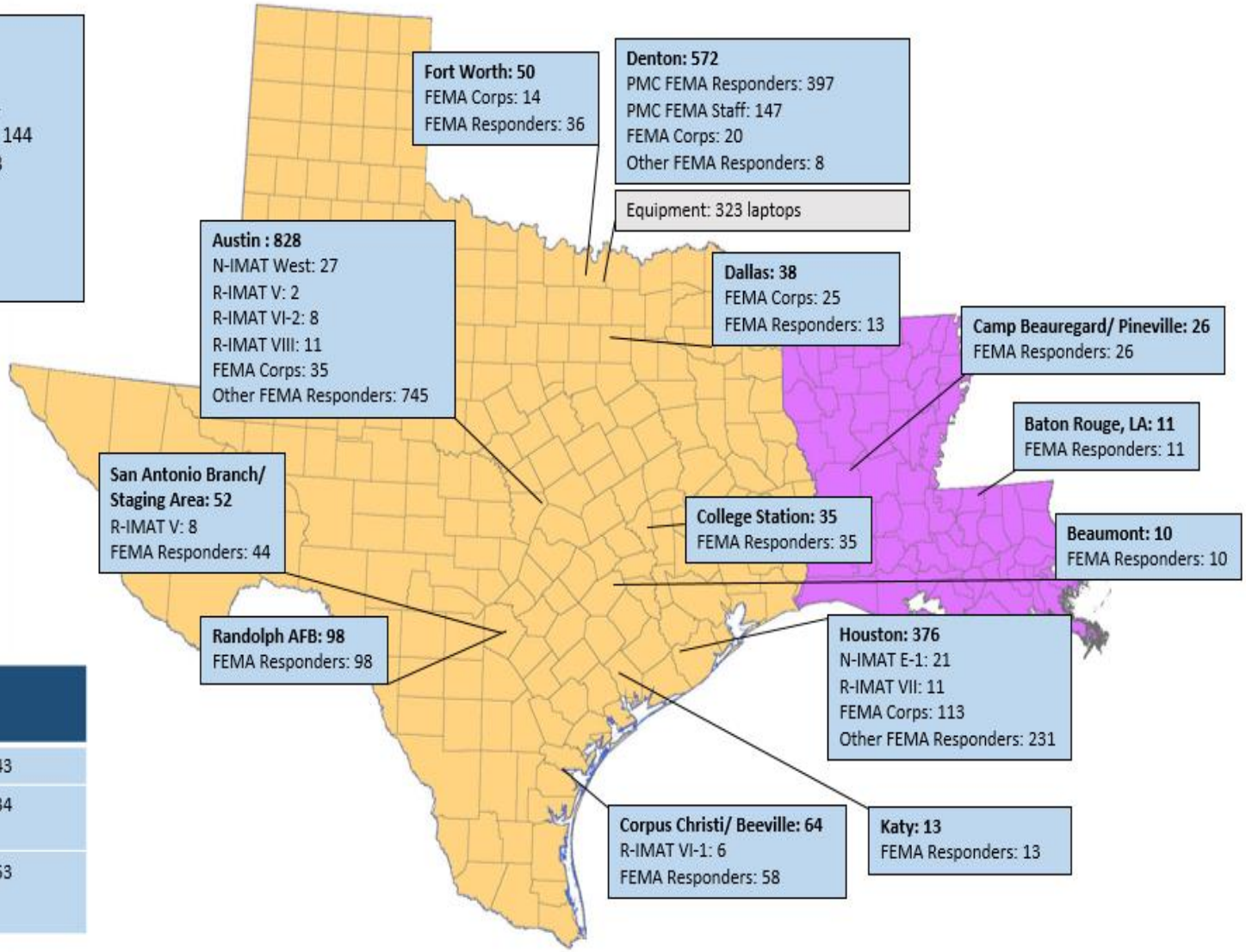
CORPUS CHRISTI AREA
FEMA: 2 MCOV, 61 staff
EPA: IMT, TAGA, 2 container recovery teams, PIO, 4 Drinking Water/ Wastewater Assessment team
USCG: 3 helicopters, 3 planes, 3 cutters
NOAA: SSC

HOUSTON/GALVESTON
FEMA: MERS Assets, 10 US&R w/ HEPP, 307 (staff, R-VII IMAT, N-IMAT East 1, and FEMA Corps), 4 US&R TFs (Galveston)
ESF-13: Law Enforcement Responder Camp
TSA: 25 NDOs, 5 canine teams, 2 TSST teams, 6 VIPR Teams (42)
HHS: NRG Stadium Staging, 1 FMS, 1 RDF, 1 TCCT, 12 DMAT, 1 MIST, 1 MMU, 1 RDF, 8 MHT, 1 FMS, 6 JPAT, 1 Pharmacy Strike Team, 12 LRAT
USCG: 6 helicopters and 1 shallow water boat team, 4 Cutters (Includes Galveston)
NOAA: SSC
EPA: 4 OSC teams, 4 air monitoring teams, ASPECT aircraft; 4 Drinking Water/ Wastewater Assessment team

Hurricane Harvey – FEMA Responder Laydown (*As of Sept. 3, 2017 12:05 AM EDT*)

Total FEMA Supporting Harvey:

Responders on the Ground: 2173
Other FEMA Staff Supporting : 1994
- CDP supporting SCF mobilization: 144
- EMI supporting AS mobilization: 3
- Other Distribution Centers: 22
- RRCC Staff: 141
- NRCC Staff: 280
- NPSC Staff: 1404



Surge Capacity Force	
Denton/Dallas	243
Anniston, AL – SCF (Wave 2)	334
Anniston, AL – SCF (Wave 2)	353