Harvey Response and Recovery
Hurricane Harvey

A Category 4 storm that made landfall in Texas on August 26, 2017, Hurricane Harvey brought a total estimated economic cost of $108 billion in damages, according to Moody’s Analytics.
City of Houston

- 640 sq. mi Service Area
- 94 Fire Stations
- 845 usual minimum daily staffing
Pre-Incident preparations

• 925-1100 HFD Daily Staffing + 900 State and Federal Personnel

• Houston Fire Department
  • 10 Evacuation Boats
  • 6 Rescue Boats
  • 1 High Water Vehicle
  • 7 additional Ambulances

• Houston Police Department
  • 1 Evacuation Boat
  • 3 Rescue Boats
  • 5 High Water Vehicles
  • 1 Bell 412 Helicopter (rescue capable during daytime)

• Public Works Department
  • 10 dump trucks for high water deployment

• Metro
  • 1 High Water Vehicle / Buses on request

• FBI
  • 2 High Water Vehicles
  • 2 Rescue Boats

• State and Federal Task Force Resources
Pre-Incident preparations

- EM Multi-jurisdictional HW asset inventory
- NWS regional conference calls
- Interagency Communication Plan
- Logistical and Supply Preparation
- Resource relocation from flood-prone stations
- EOC upgrade
- Unified Command
- Staffing all available response assets
- Implemented Road Closure Plan
- Altered Response Model
Rain, rain and more rain!
During the flooding

- Operational Period 0900 – 0900  8/26 - 8/27/17
  - 0900-1700: <2” of rain
  - 1800-0900: >15” of rain

- Operational Period 0900 – 0900  8/27 - 8/31/17
  - Next 4 Operational Periods: >34” of rain

- Operational Period 0900 – 0900  8/31 - 9/1/17
  - Remain clear through next 5 Operational Periods
During Hurricane Harvey, water impounded by the Addicks and Barker reservoirs spilled into more than 100 neighborhoods, flooding thousands of homes.

Source: Harris County Flood Control District
Charles Apple / Houston Chronicle
Kingwood
During the flooding

- 6 Area Commands Establish
  - Northeast Houston
  - Southeast Houston
  - Acres Homes
  - Southwest Houston
  - Meyerland
  - Kingwood
After the flooding

• Planning
• Logistics
• Staffing
• Inter-agency Communication
• Apparatus/Assets
• Employee and family support
• Vaccination Matrix