AGENDA

Houston’s Challenging Weather
Houston by the Numbers
Incremental Progress
The Bayou City’s Commitment to the Environment
Houston by the Numbers

• City of Houston
  – 640 square miles
  – 2.3 million residents
  – $8.5 billion in construction permits in 2015

• Houston Region
  – 6.6 million residents
  – 2.9 million jobs (91,800 engineers and architects)
  – 55 million airport passengers
Houston’s Infrastructure

• ~37,000 Miles of Infrastructure
  – 16,100 lane miles of road
  – 3,500 miles of storm sewer pipe
  – 4,300 miles of roadside ditches
  – 6,100 miles of wastewater lines
  – 7,100 miles of water lines
  – 2,450 traffic signals
Houston’s Infrastructure

• City of Houston’s MS4
  – 4,300 miles of Road Side Ditches
  – 62 miles of Off-Road Drainage Ditches
  – 3,500 Miles of Storm Gravity Mains
  – 110,000 Storm Drainage Inlets
  – 76,000 Storm Water Manholes
  – 1,900 Outfalls of 18” and larger
  – 27 Storm Water Detention Basins
Houston’s Infrastructure

• **40 Wastewater Reclamation Facility**
  – ~400 Lift Stations
  – 3 Wet Weather Storage Facilities

• **Water Supplier for the Region**
  – 1,550 square miles, 3 counties, 4.3 million people
  – 3 Surface Water Purification Plants
  – 7 major Re-pump Stations
  – ~100 Groundwater Wells
WHERE DO WE GO FROM HERE?
Context Sensitive Approaches

• “Working with” versus “Doing to”
  – Engagement and Communication

• Citywide Plans across Multiple Uses
  – Complete Streets & Transportation Plan
  – Transit, Pedestrians, Bicyclists, ASA
  – Tree Preservation/Mitigation
  – Bayou Recreation/Responsible Management

• Partnering with other Agencies
LIFE CYCLE APPROACHES

CONSULTING ENGINEERS

PLANNING

OPERATIONS & MAINTENANCE

PROGRAMMING

IMPLEMENTATION
Forecasting Funds to 2034

WITH ReBuild Houston

10-Year Plan (FY17 - FY26)

~$400 Million Debt Retired
Regulatory Driven Programs

• **Wastewater System**
  – Renewed 10,097,706 linear feet
  – Cleaned 45,243,795 linear feet
  – Corral the Grease
  – Concluded June 30, 2016

• **Municipal Separate Storm Sewer System (MS4)**
  – Illicit Discharges, Bacteria Implementation Plan
  – Trash Bash, Clean Rivers Program
  – Joint Task Force (Co-permittees since 1998)
    • Harris County, Harris County Flood Control District, & Texas Department of Transportation
Moving Seven-Year Geometric Mean- BIG Area, With and Without Armand Bayou
Expressed as Multiple of Primary Contact Recreation Standard

Reference Line represents the Primary Contact Recreation Standard
Stations outside BIG area include basins 9,10,11,24 Only
Sustainable Quality of Life

Commitment to the Future