

# Built Systems

Report Back #2

Potential Adaptation Strategies

# Adaptation (Rise in Water) Strategy #1

## Assets:

- Critical Equipment in Test Stand Basements

## Strategy:

- Generate Project SOW
- Perform risk assessment
- Generate project packages
- CoF process for identified projects

# Adaptation (Rise in Water) Strategy #2

## Assets:

- Wastewater Treatment System

## Strategy:

- Generate project SOW for modifications to Lagoon (height & size)
  - Work-around would be to use Area 9 mechanical system
- Perform risk assessment
- Generate project packages
- CoF process for identified projects

# General Adaptation (Rise in Water)

## Strategy #3

### Assets:

- **Electrical, Natural Gas, HPIW, HPG, Cryogenics, Potable Water, Sanitary Sewer, IT, HVAC, Canal System**

Consensus on what is the agreed upon water level or temperature that is of concern based on storm surge, SLR, increased temperature, increase precipitation, etc.

### Strategy:

- Create list of critical components for each system that are susceptible to flooding
- Obtain elevation for each critical component
- Compare **(agreed)** water levels to component elevation
- Perform risk assessment on impacted components
- Generate consolidated project packages
- CoF or PMP process for identified projects

**Goal: Within a year, have top 3 project packages ready for HQ review. Total Cost > \$10M**

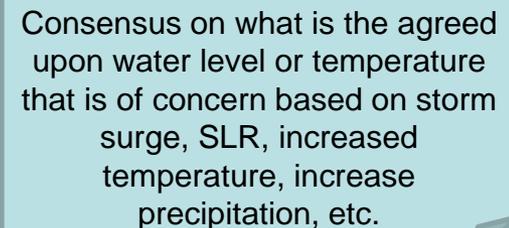
# General Adaptation (Rise in Temp) Strategy #4

## Assets:

- Building Envelope

## Strategy:

- Inspection of buildings for Electrical & HVAC capacity
- Prioritize buildings needing additional capacity
- Compare **(agreed)** temperatures to deficient buildings
- Perform risk analysis on deficient buildings
- Generate consolidated project packages
- CoF or PMP process for identified projects



Consensus on what is the agreed upon water level or temperature that is of concern based on storm surge, SLR, increased temperature, increase precipitation, etc.

# How Adaptation Strategy Development will Continue

- Provide monthly updates to COD on climate projects or projects with a embedded climate component
- Network with new contacts and grow the contact list

# Other Important Information

- Incorporate elevation data with flood models to identify systems in low lying areas. (Basically turning on lights as systems are contacted by water). This model could be used by EMCS and master planning efforts
- Look into expanding SSC footprint into higher grounds to the north

# Elevator Speech



- Top 3 primary short-term / long-term climate change impacts to SSC/system
  1. Precipitation
  2. Temperature
  3. SLR
- Top 3 Opportunities
  1. Do something NOW
  2. Network/Coordinate
  3. Outreach

Ignore my sign – “Think Small, Big Ideas Upset People”