

Built Systems

Report Back #1

Characterize Risk of Climate on
Systems & Assets

Assets Discussed

- Electrical Distribution and Low Voltage
- Sanitary Sewer
- Building Envelope
- Canal structure

Summary: Main Climate Hazards Causing Impacts

- Storm Surge
- Increase in Average Temperature

Examples: Impacts, Current Work-Arounds

- Water level impacting critical components at SSC
- Increased temperatures impacting energy consumption
- Work-Arounds
 - Switch power feeds from south to north
 - Modifications to roofs and building exteriors where feasible
- Long Term
 - Demo with new construction to locate critical components of each system at higher elevations and designed for increased temperature, i.e., HVAC systems.

Existing Management Plans / Processes

- SSC Master Plan
- FOSC Contract (Mainly Annex 3 & 5)
- Host Tenant Agreements

Summary: Overall Types of Response

- Watch and collect Data
- Develop strategy in Master Plan
 - Incorporate strategies in designs and specifications
 - Contract modifications
- New Contracts with new ideas

How risk characterization process will continue

- Master Plan
- Design and Specifications
- New and/or Modified Contracts
- New and/or Modified Host Tenant Agreements

Other Important Information

- Continue to partner/work with power, communication, fuel, etc. companies/suppliers to minimize collapse points outside of SSC