



Strategic Capabilities Assets Program Overview

Calvin Williams
Deputy Director,
Technical Capabilities and
Real Property Management Division



Background

- Strategic Capability Assets Program (SCAP)
 - FY2006
- SCAP performs an Agency cross-cutting function
 - assets and capabilities that may be utilized across multiple Mission Directorates and program areas
- SCAP Goal
 - to ensure NASA's key capabilities and critical assets (personnel and facility) will continue to be available for future mission support



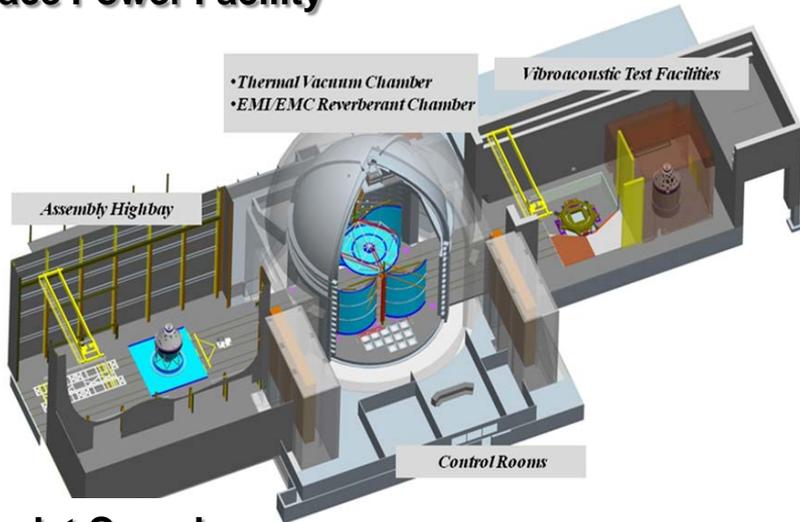
Background

- NASA six key asset/capabilities classes
 - Aeronautics Test Program (ATP)
 - Arc Jets
 - Flight Simulators
 - High End Computing Capabilities (HECC)
 - Rocket Propulsion Testing (RPT)
 - Thermal Vacuum Chambers (TVC)
- SCAP supports:
 - Arc Jets
 - Flight Simulators
 - Thermal Vacuum Chambers
 - and coordinates with
 - ATP
 - HECC
 - RPT



Technical Capabilities

Space Power Facility



Virtual Motion Simulator (VMS)



Arc Jet Complex



Cockpit Motion Facility





Current Status

- Current SCAP Budget at \$20.7 M
- SCAP manages 20 assets at:
 - ARC, GRC (Lewis Field and Plumbrook Station), GSFC, JPL, JSC, LaRC, and MSFC.
- SCAP provides:
 - Funds technical resources (WYEs) and minor maintenance to keep assets in a “ready to produce” status
 - Study and evaluation resources



Challenges and Opportunities

- Declining budgets
 - Declining out year budgets
- Undefined Mission Requirements
 - Unknown Mission needs
- Cost Control and Utilization
 - Cost to operate fluctuates with facility utilization rate
- Other technical assets can request to be included under SCAP