



U.S. DEPARTMENT OF
ENERGY

Office of Science

Executive Session

Core Facility Revitalization Project

In Request for CD-1 Approval

Lloyd Nelson, Federal Project Director
Brookhaven Site Office
August 2016

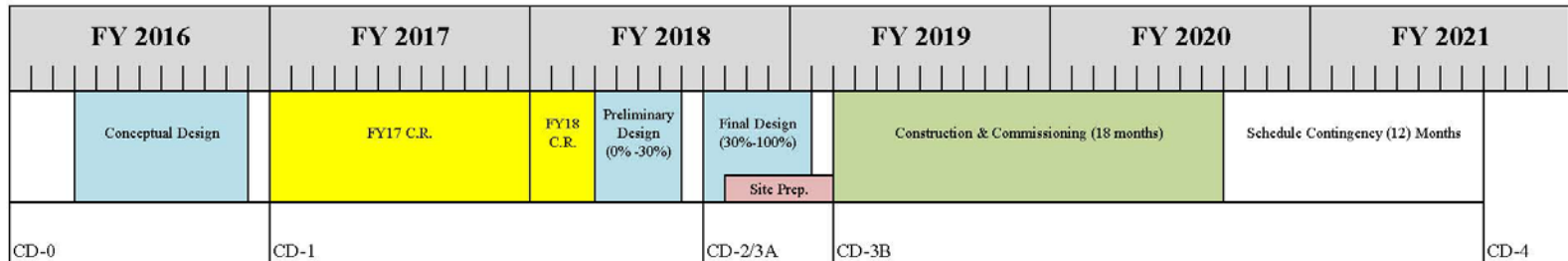
Verification of Mission Need

- Mission Need (CD-0) was approved on September 1, 2015 by the Deputy Director for Science Programs, Office of Science, Patricia M. Dehmer
- The CFR project directly supports the NP and HEP mission to discover, explore, and understand all forms of nuclear matter
- The CFR Project will provide mid-range computational and data storage support for the RHIC-ATLAS Computing Facility (RACF)
- RACF is projected to degrade over time due to existing conditions and the need for more reliable and efficient computing facilities are required to continue to support the scientific research



U.S. DEPARTMENT OF
ENERGY

Project Schedule



CFR Preliminary Schedule Assumptions

Planning case:

- 1 year FY17 Continuing Resolution
- 3 months FY18 Continuing Resolution
- 8 months Construction & Commissioning
- 12 months Schedule Contingency



U.S. DEPARTMENT OF
ENERGY

Office of Science

Focus Areas for Review Team

- Management – Use of Construction Manager/General Contractor strategy for reducing project costs and project risks while maintaining schedule by minimizing change orders and schedule delay due to constructability issues
- Deliverables – Clearly understood between Program requirements and current Data Center needs and future expansion
- KPP'S – Final deliverables meet objectives and milestones for CD-4 completion criteria



U.S. DEPARTMENT OF
ENERGY

FPD Assessment

- Project is ready to begin design:
 - Leadership team in place
 - Management systems functioning
 - Design is sufficiently advanced
 - Risks understood
 - TEC within acceptable range
 - Contingencies are adequate
 - Project performing to preliminary resource loaded schedule
 - CD-1 pre-requisites complete



U.S. DEPARTMENT OF
ENERGY

Office of Science