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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

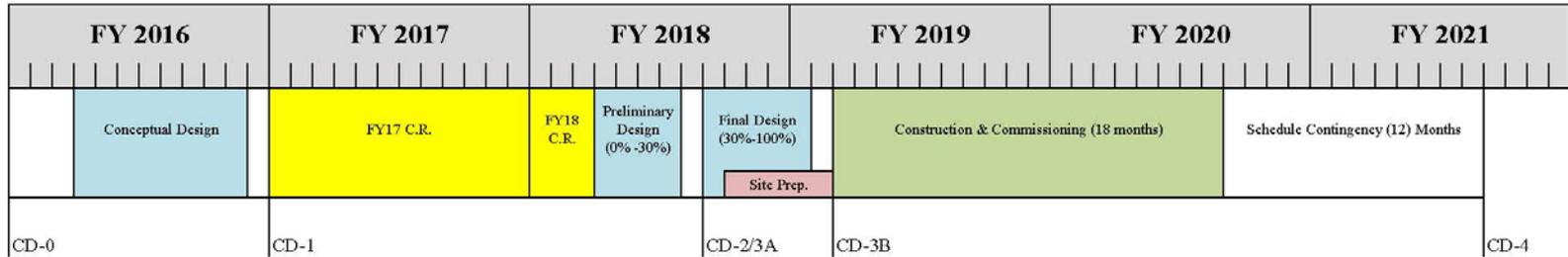
- Mission Need (CD-0) was approved on September 1, 2015 by the Deputy Director for Science Programs, Office of Science, Patricia M. Dehmer
- The CFR project directly supports the NP and HEP mission to discover, explore, and understand all forms of nuclear matter
- The CFR Project will provide mid-range 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



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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



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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



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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



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