



Electron-Ion Collider

Infrastructure Construction Advisory Committee (ICAC)

Meeting Charge: April 16-17, 2025

The Department of Energy (DOE) Office of Project Assessment (OPA) will conduct an Independent Project Review (IPR) of the EIC project on August 5-7, 2025. In preparation for this important review, I request your participation in the next Infrastructure Construction Advisory Committee meeting on April 16-17, 2025. The primary goal of the meeting is to provide evaluation of the EIC Infrastructure plans and to identify weaknesses, risks, and areas for improvement.

The EIC project secured CD-1, Approve Alternate Selection and Cost Range, in June 2021. A CD-3A, Approve Long-lead Procurement, was approved in March 2024 (~\$90M+) and DOE approval of CD-3B is currently pending (\$50M+). There are no infrastructure related CD-3B scope items pending. The EIC project plans include starting construction in 2026 following the conclusion of RHIC operations at the end of 2025.

The Committee is being asked to respond to the following questions:

1. Are the infrastructure plans for the electron injector subproject appropriate? [Note: Recent change from a Rapid Cycling Synchrotron (RCS) located in the existing RHIC tunnel to an Electron Injector entirely external to the RHIC tunnel.]
2. Will the infrastructure plans be adequately mature to support the upcoming EIC “Red Team Review” on May 20-21?
3. Is the Infrastructure Team effectively executing on its CD-3A Procurement?
4. Are the Infrastructure Team’s preparations to start Site Preparation on track for a successful start after RHIC Run 25 concludes in December 2025?
5. Is the plan to utilize NYS funds reasonable and does the selected scope support anticipated project needs?
6. Are the EIC organization and staffing plans, particularly in the infrastructure area, appropriate for the upcoming construction phase?
7. Are recommendations from the October 2024 ICAC meeting adequately addressed?