Fermi_{FORW>RD}

Report from FermiForward Leadership

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High Energy Physics Advisory Panel December 6, 2024 Rockville, MD

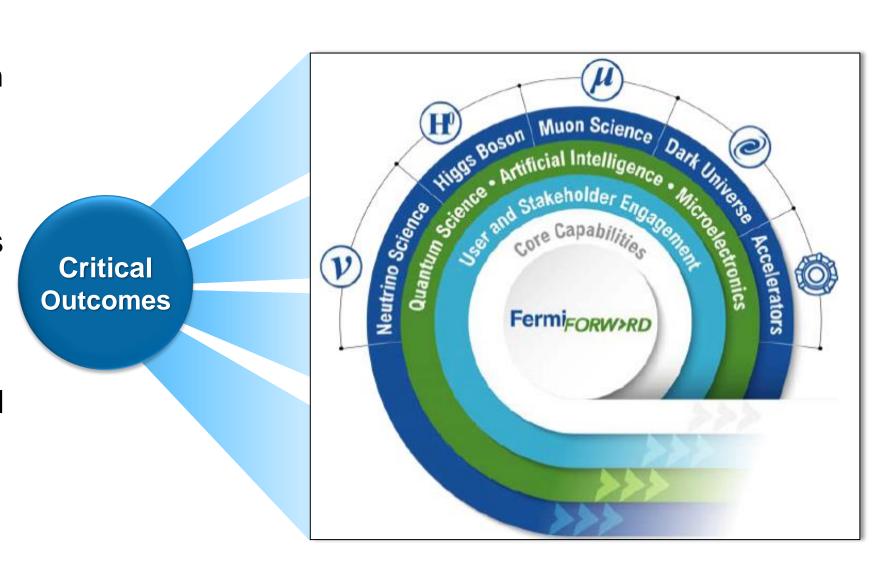






FermiForward's Vision: A world-leading, preeminent Science Lab for the future...

- A bold, exciting vision for groundbreaking science, well aligned with the P5 report
- Premier user facilities
- An experienced team to deliver the mission
- Enabled by a renewed campus and safe/efficient operations







FermiForward's Vision: ...enabled by effective and efficient systems, tools and infrastructure

- A bold, exciting vision for groundbreaking science
- Premier user facilities
- An experienced team to deliver the mission
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Keys to Fermilab's success

- We have an ambitious and expanding S&T program
- > We must deliver a \$5.5B portfolio of projects safely, on time, within budget
- > We must continue to bring discipline and efficiency to laboratory operations
- > These require
 - A leadership team who have demonstrated a trust relationship with the community and DOE
 - Improvements in how we conduct business, with the effective integration of science and operations
 - An enhanced level of management rigor
 - Understanding and communicating what is changing...and why





New partnership brings value and experience

- FermiForward Discovery Group, LLC
- Strength in science with two primary partners
 - University of Chicago
 - Universities Research Association
- Reinforced operations with two integrated subcontractors
 - Amentum
 - Longenecker & Associates
- Exciting new partnerships with18 research institutions













Understanding the landscape

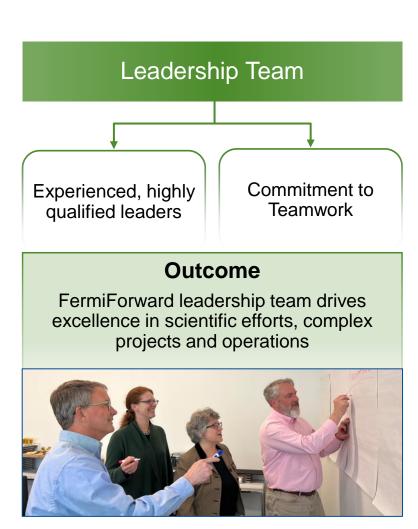
- DOE expectations for mission delivery
- Address needs of users, affiliates and collaborators
- Recognize operations as Mission delivery enabler – become the solution, not the barrier
- Establish FermiForward as a trusted partner





Achieving ambitious strategic goals

Organizational Structure Clear roles. Strong Assurance Matrixed org systems and **FermiForward Decision-making** Integrated partners Governance Outcome Clear, effective responsibilities, authorities and decision-making **Fermilab** amentum>









Enhancing engagement for our community

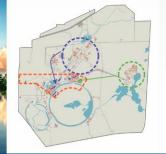
Site Access Enhancement

Live, eat, and breathe science – safely Physical and Psychological Safety Welcoming environment

Outcome

Fermilab as a destination of choice for scientists and researchers





Engagement in Science

Well informed partners in mission

Ease of use of current facilities, future planning

Outcome

Seamless transition from Project to Operations



Building User/Affiliate Base

New partnerships through FermiForward Broader engagement for students and researchers

Outcome

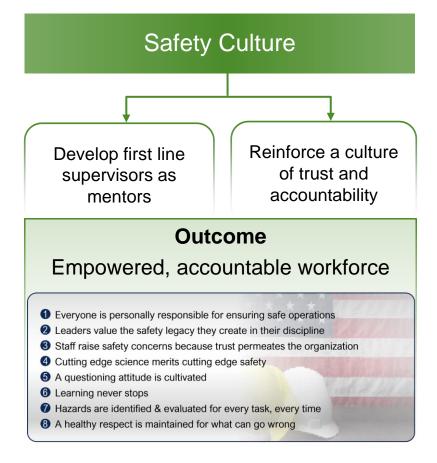
Effective and Engaged workforce

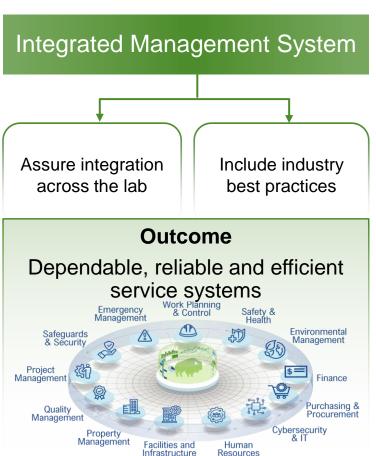






Overcoming operational challenges to our Mission



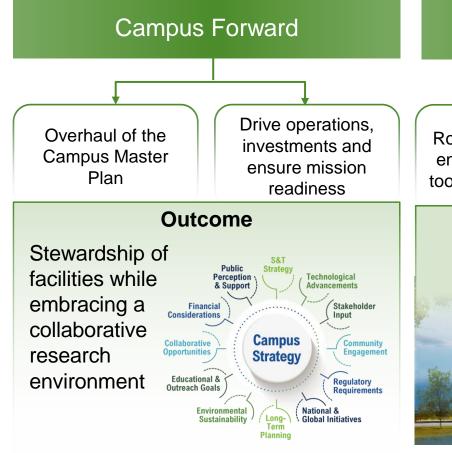


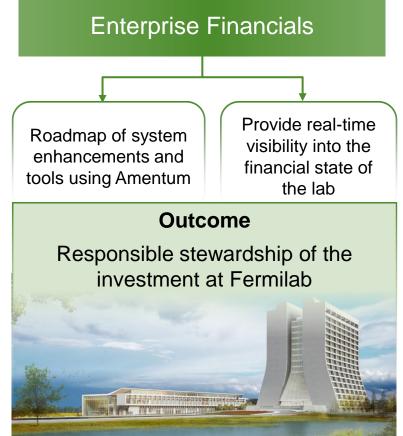






Resolving infrastructure readiness to support the Mission











Contract "Transition" is currently underway (Day 67 of 90)

We are looking forward to beginning the new contract on January 1, 2025

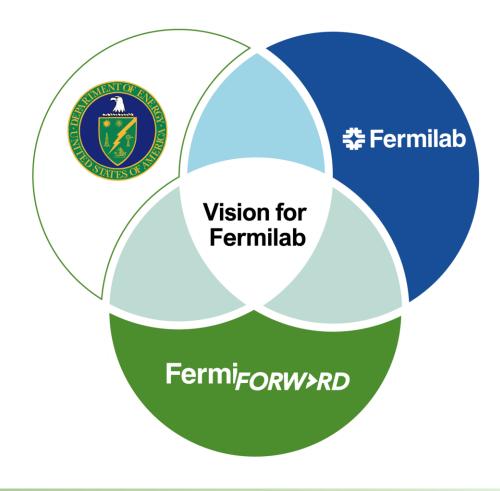






Communicate & cooperate for success

Fermilab's partnership with DOE and the HEP community is essential to producing breakthrough science and technology and excellence in operations



Trust • Collaboration • Transparency

