

Implementation & outcome

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The Campus Plan provides a holistic and integrated framework for future development of the major regions of the Fermilab Campus. The Plan also proposes, at a conceptual design level, major projects that will meet the foreseeable development needs of the laboratory over the next 20 years.

This chapter provides a summary of the projects and initiatives proposed by the Campus Plan. The planned future projects are presented in three phases that describe one possible implementation strategy over the 20-year planning horizon, although others could be imagined.

The chapter then briefly describes the Plan outcome in narrative and in graphs.

The chapter concludes by proposing the next steps in the ongoing Campus planning process, beyond this 2014 Fermilab Campus Master Plan.

Implementation scenario

The Fermilab Campus Master Plan is a 20-year plan, imagined in three generalized time horizons.

Near Term (next 5-8 years)

- Construction of the beam line extension, and the g-2 and Mu2e buildings.
- Construction of the Center for Integrated Engineering Research
- Construction of the Collision Hall
- Removal of 34 buildings and 13 portacamps totaling 160,000 SF.
- Construction of the Scientific Hostel
- First installments of Wilson Hall 2.0

Mid Term (next 8-14 years)

- Construction of the Technical Campus projects: Central Fabrication Facility, Industrial Center Addition, Industrial Center Building Gateway, and the CDF Refurbishment.
- Removal of 17 buildings and 27 portacamps totaling 93,000 SF.
- Construction of the Long Baseline Neutrino Facility
- Construction of PIP- II Experiment constituting the first phase of the Superconducting Linac Complex.

Project	Est. Area	Near	Mid	Long
Central Campus				
IER	55,000 SF	█		
Collision Hall	30,000 SF		█	
Wilson Hall 2.0			█	
Scientific Hostel		█		
Technical Campus	35,000 SF		█	
Central Fabrication Facility	36,000 SF		█	
Ind. Ctr. Addition (High Bay)	20,000 SF		█	
Ind. Ctr. Bld. Gateway			█	
Muon Campus	NA	█		
Neutrino Campus	NA	█		
Superconducting Linac Complex			█	
SF = square feet				

Plan outcome

As the Campus Plan implementation proceeds, the outcomes will benefit the Fermilab Community in many ways. Fermilab will continue its' role as a 21st century laboratory for 21st century science. Some highlights are:

Modern facilities: Eliminating and replacing obsolete facilities will allow the modernization needed to support Fermilabs' ambitious and exciting scientific program.

Workplace transformation: The transformed workplace will provide improved morale and productivity.

Inspiring community: Consolidating new facilities in the Central Campus will result in a compact campus with improved sense of community.

Attract and retain: Fermilab will be well equipped to attract and retain researchers and to fulfill its vision and mission over the next generation of scientific research.

Improved user and visitor experience: Improvements to the Campus will ultimately contribute to a better visitor experience; a campus with its own memorable "sense of place."

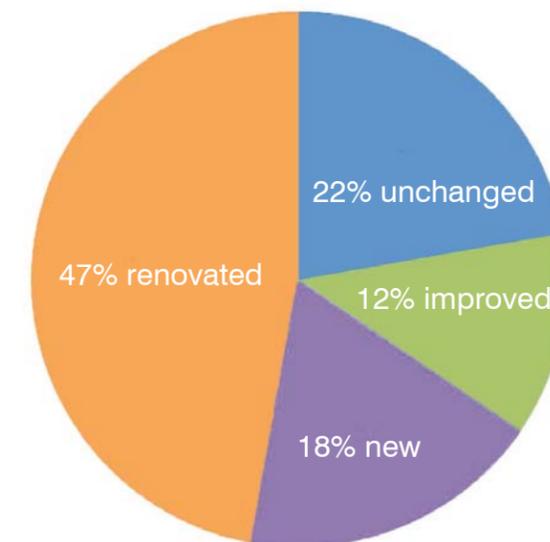
Attract Investment: Improvements will help illustrate and unleash the potential for the laboratory, resulting in increasing investment, both private and public.

Greater efficiency and sustainability:

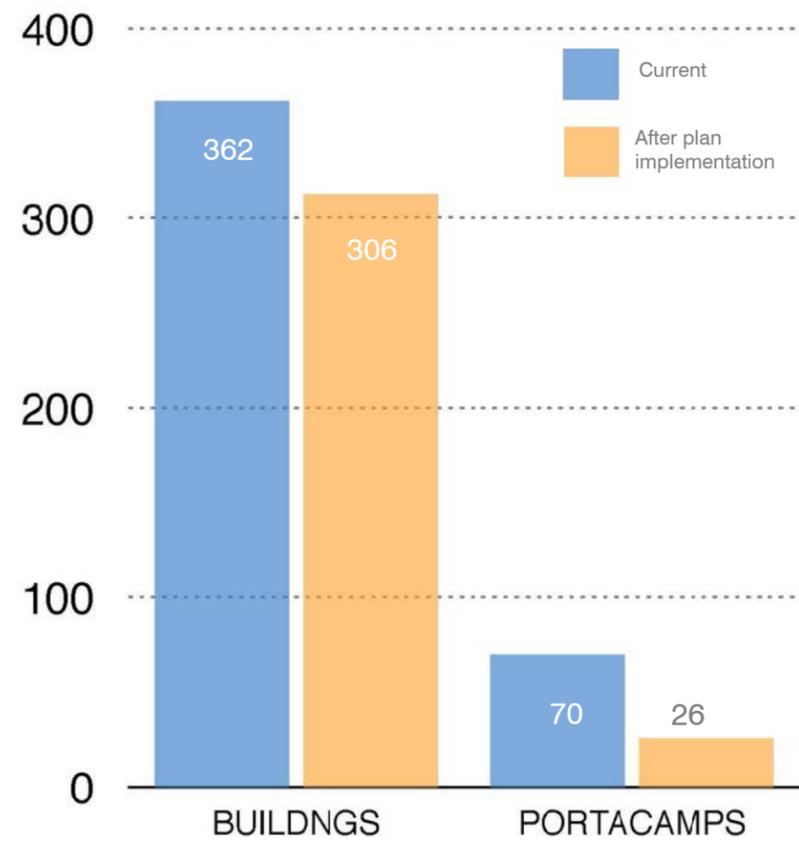
- New buildings will incorporate state of the art sustainable design and technology practices.
- Consolidation and Centralization will result in a compact campus, reducing the overall development footprint, and maximize space efficiency.
- The compact campus will result in a more pedestrian and cyclist friendly place with less reliance on vehicular transportation.

Workspaces affected

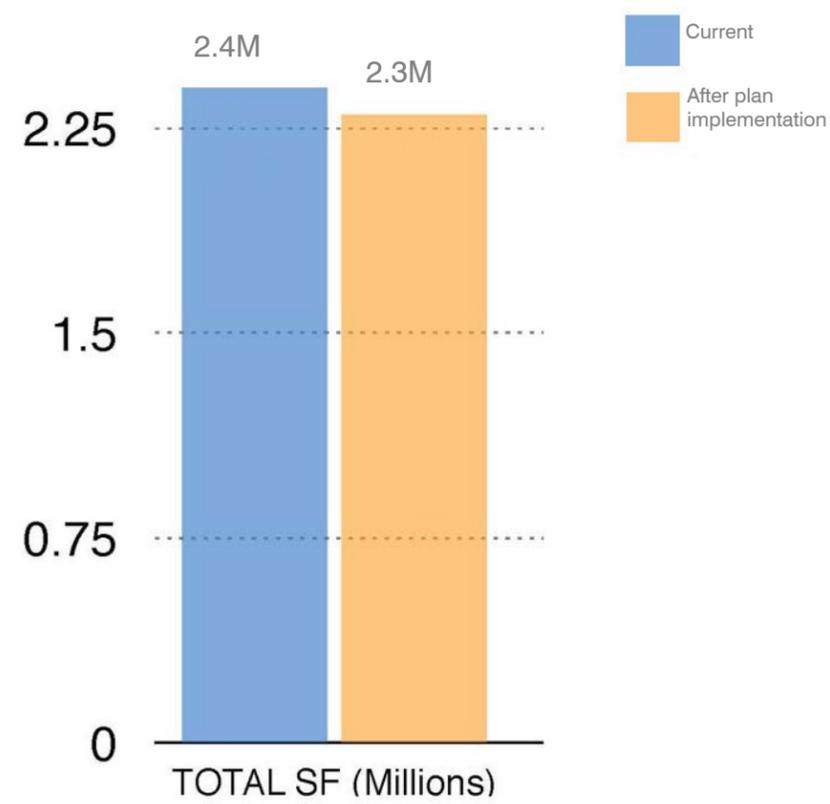
The following chart illustrates the numbers of staff workspaces impacted by Campus Plan future projects. The outcome will be large percentages of staff working in places of improved quality, effectiveness and efficiency. The segment indicated as unchanged reports that their spaces are adequate and appropriate for the foreseeable future.



Building quantity



Building area



Next steps

The next steps and further study

As the second edition of the Fermilab Campus Master Plan, this document continues to focus on big picture, site-wide issues, development zones, and planned future projects. However, the Campus Plan is a “living document” to be updated on an annual basis. In that spirit, this edition offers the following as possible agendas and planning exercises for future iterations.

The 2014 and beyond Fermilab Campus Master Plan Agenda suggestions:

- Continuously improve and refine the future planned projects.
- Study the implications of all projects on the site utility systems to ensure their capacities to support the 20 year vision.
- Develop the long term approach to the D Zero site to determine the best utilization for this region.
- Develop the long term strategy for the Meson Area and the general north science area vicinity.
- Develop a long term strategy and disposition of the Tevatron and its related structures.
- Validate workplace and workstyle assumptions via workshops and surveys with staff.
- Study and develop parking scenarios with regard to the central campus.
- Work with education and communication offices to develop visitor experience strategies and their relationship with the planned future facilities.
- Recognize that space is a strategic asset, and stewardship of this asset is an important endeavor. In that spirit, a space utilization team could be developed. This team could consist of representatives from various divisions and sections. Their charge would be to collaboratively make space allocation evaluations and recommendations. This could help usher Fermilab from the “my space” to an “our space” model.