vision

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The Campus Plan is based on a long-term vision of what the Fermilab Campus can become; how it might look, feel and function 20 years from now. The Campus Plan envisions a laboratory that can be described in six words: open, green, consolidated, integrated, engaged and connected.

Achieving this vision for Fermilab will require careful design and thoughtful and integrated planning. While much of that planning is presented in this 2014 Fermilab Campus Master Plan, more work and study will be needed in the future to further shape and refine the Plan. In that spirit, the Campus Plan is considered a living document, part of an ongoing, iterative process.

The planning process will take into consideration the functional relationships, environmental issues, landscaping, recreational space, vehicular and pedestrian traffic patterns, architectural character and future aspirations of the laboratory.

What could Fermilab look like in twenty years?

Open and Green

Consolidation of buildings will help preserve Fermilab's rich and diverse natural areas and make available other areas for future large-scale physics machines.

Concentrated and Integrated

Currently diffuse facilities will be condensed into the Central Campus. Creativity and innovation will flourish as researchers and staff mingle in this distinct and vibrant place of research and collaboration.

Connected and Engaged

The Campus will be connected by various modes of transportation: walking, biking and, possibly, a Campus shuttle.

A vision of stewardship and sustainability

Fermilab is committed to increasing sustainability. The Campus Plan takes into consideration environmental issues and incorporates them into the planning process.

Regional stewardship

There are many facets to Fermilab's relationship with its surroundings; physical, ecological, social, cultural, economic and scientific. A regional view of Campus planning and development is useful to ensure that this relationship continues to benefit the laboratory, the surrounding communities and the natural environment.

Managing open land

A large portion of Fermilab's land is devoted to agriculture, prairie and woods. Managing this open land is an important consideration when envisioning the Campus of the future. Given Fermilab's "green island" character amidst the developments outside its borders, it is important for the laboratory to continue to follow a responsible land stewardship and management strategy.

Open land is also an important attribute of Fermilab in terms of its scientific mission. The large open spaces on the site allow for the construction of the large machines needed to conduct cutting-edge particle physics research. The Campus Plan envisions smart growth and development to preserve open space. By removing outlying facilities and locating new developments at higher density and on already-developed land, Fermilab can maximize the amount of land it leaves open.

Surface water management

The land drainage systems at the laboratory depend on topography, interface with neighboring systems, are difficult to change and require management on an overall site basis. A surface water management program will provide criteria to guide long-term development of the site with these systems in mind.

Sustainable design

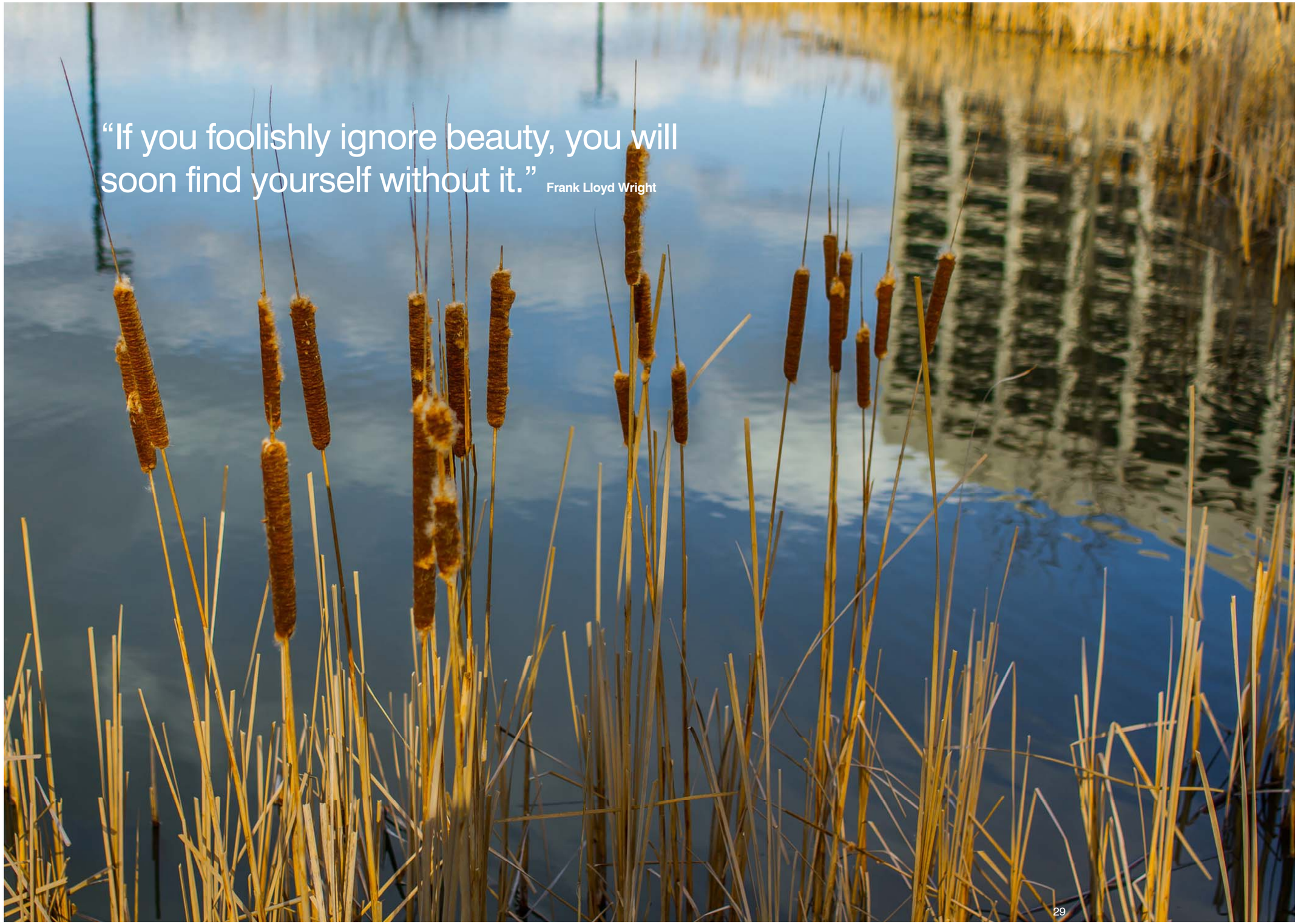
The concept of sustainability is embedded in the Campus Master Plan, which supports and builds upon recent initiatives. These initiatives include the Department of Energy's Guiding Principles for High Performance Buildings and the Green Building Guidelines defined by the U.S. Green Building Council's LEED™ rating system for both new buildings and renovations.

Effective space utilization

A conservation development strategy shall be applied to ensure the effective use of space in existing buildings. One application of this strategy will be the development of new buildings that are multi-divisional and interdisciplinary. This will save space by minimizing duplication of functions and creating moveable internal boundaries. Another application of this strategy will be the renovation of existing office spaces into spaces with inherent flexibility and adaptability.

Transportation

A coordinated and integrated transportation system can promote health and reduce emissions. This integrated approach begins with making improvements for pedestrians and cyclists, and then looking into the creation of a multi-passenger shuttle system between the two major central region Campuses. The result will be a reduction in the use of private automobiles on Campus.


“If you foolishly ignore beauty, you will soon find yourself without it.” Frank Lloyd Wright