



Facilities Planning & Management – FP&M 2025–27 Capital Plan Request

Campus Planning Committee Meeting

November 2, 2023

Peter Schlecht – Assistant Vice Chancellor, University Architect

Mike Hanson – Director of Utilities and Energy Management

Missy Nergard – Director of Sustainability

Chris Strang – Assistant Vice Chancellor Environment, Health & Safety

Lakeshore Nature Preserve: Outreach Center



Mission: The Lakeshore Nature Preserve shelters natural environments and cultural resources through active learning, research, and outreach in a place of respite and well-being.

- *The space: 300 acres, 4 miles of shoreline, 12 miles of trails, 6 fire circles*
- *Annual research permits: 75+ representing 25 departments*
- *Volunteers: 530 - 78% students - 2,424 hours of applied learning*
- *Archeological and Ho-Chunk Burial Sites: 4 mound groups and additional sites*
- *Visitors: 149,000 to the tip of Picnic Point alone*
- *Climate impacts: carbon sequestration, stormwater absorption, heat island reduction*
- *Mental health impacts: well-being, attention restoration, recreation*
- *Years of habitation: 12,000, ancestral homelands of the Ho-Chunk*



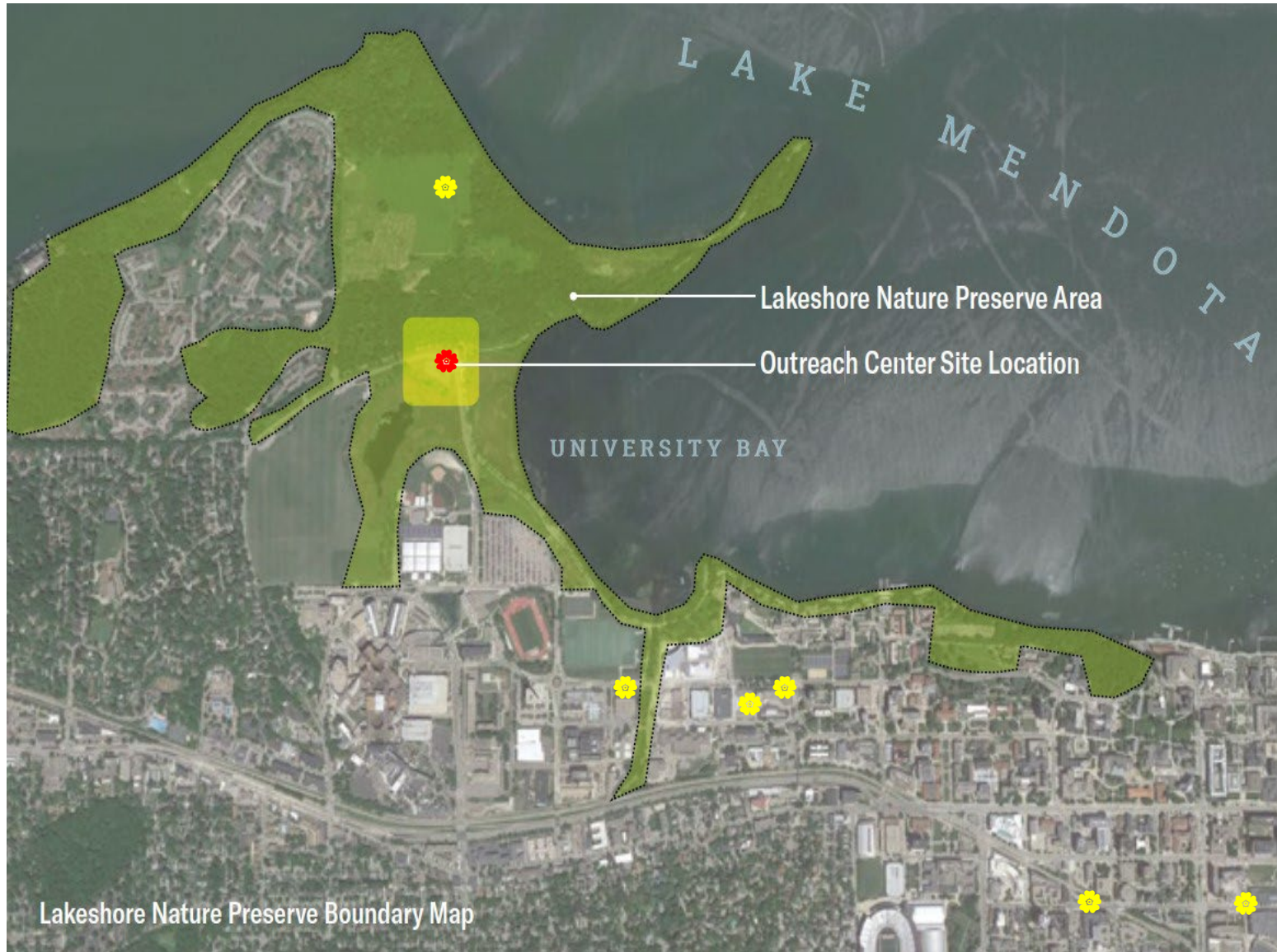
Canid Research Photo: Bryn Scriver



Archeology Lab Photo: Mark Kenoyer

Vision: To foster biodiversity on campus and cultivate lifelong environmental engagement.

Lakeshore Nature Preserve: Outreach Center



- Consolidate on-site land management and staff spaces currently spread across six locations.
- Address safety concerns for cyclists, motorists, and pedestrians on University Bay Drive.
- Enhance educational, research, and well-being opportunities within our largest classroom and laboratory.
- Establish classroom and restroom facilities.
- Create storage space for teaching and research supplies and materials.
- Incorporate Ho-Chunk history and land stewardship

Lakeshore Nature Preserve: Outreach Center



Goal: Provide a space to support hands-on experiential learning and expand the research, teaching and outreach capacity of the Preserve while connecting to the ancestral history of the land.

Sustainability Goals:

- Carbon neutral and Net-Positive
- Power entirely by renewable energy
- Achieve *Living Building Challenge CORE*

Project Components:

- Improve Safety
 - Combine relocated parking and building on same side of relocated University Bay Drive
- Support Education and Environmental Sustainability
 - Through sensitive building and landscape design
- Support Alternative Transportation Modes
 - Bus, bike and pedestrian use



"The proposed building design thoughtfully incorporates access to the land, water and sky in ways which honor those who came before us, as well as the aboriginal peoples living today."

– Chloris Lowe, Cultural Consultant

Lakeshore Nature Preserve: Outreach Center





Connecting Strategic Plan to a Facilities Plan – FP&M

1. *Excellence in Research and Scholarship*
 - *Enrich the largest laboratory and classroom on campus; supporting research, education and applied learning experiences*
2. *Provide a vibrant campus community:*
 - *Share cultural history stories and building relationship with the indigenous community*
 - *Offer easy access to a natural area for mental health respite & stress relief for students Establish a sense of place of the Preserve and Campus*
3. *Wisconsin Idea*
 - *Strengthen community relations by providing access to the university's grounds, resources, and experts*
4. *A High-Performing Organization*
 - *Enhance an asset for west Campus growth*

Major Project Priorities 2025-27

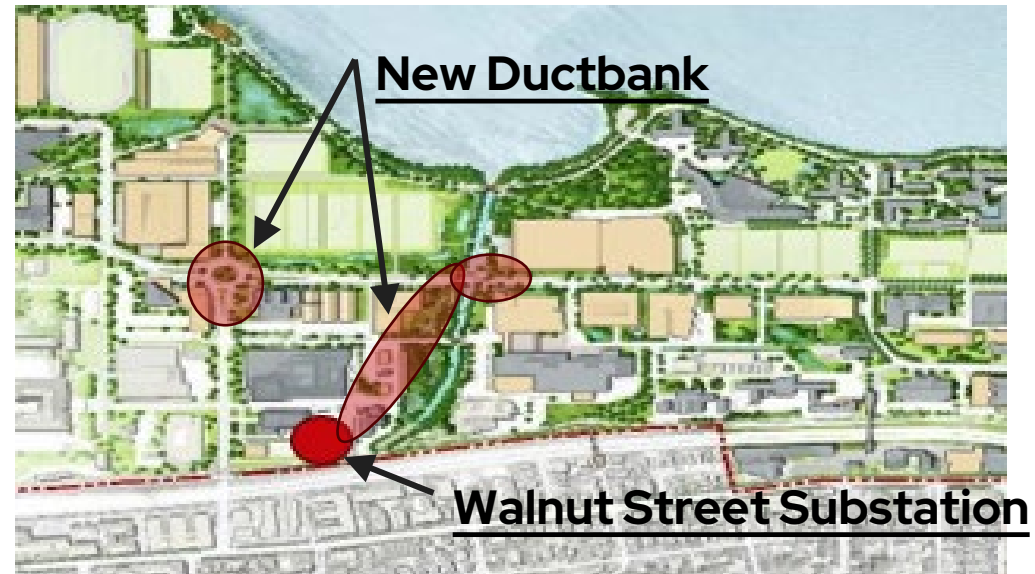
1. **Lakeshore Nature Preserve Outreach Center**
 - 10,000 sq. ft.
 - \$16,800,000

Major Project Total = \$30 Million

Walnut St Substation 15kV Distribution Renovation: 2025-27 Biennium



- In accordance with the 2015 Campus Master Plan recommendation, this project establishes a redundant, reliable, and resilient power distribution system.
- Upgrades electrical and signal capacities from 5kV to 15kV.
- Implements new vaults, duct banks, and connects with existing duct bank systems.
- Creates a redundant distribution pathway for the east side of Willow Creek, presently relying on Linden Bridge.
- This project is purpose-built to accommodate the anticipated campus growth.





Connecting Strategic Plan to a Facilities Plan – FP&M

1. *Excellence in Research and Scholarship*
 - *Provide a modern research support structure and strengthen facility services for growth in faculty and staff research*
2. *Provide a vibrant campus community:*
 - *Provide safe, reliable and efficient production and distribution of services*
3. *Wisconsin Idea*
 - *Provide for innovation in research through reliable and safe services*
4. *A High-Performing Organization*
 - *Enhance an asset for west Campus growth*
 - *Commitment to conservation, preservation and sustainability*

Major Project Priorities 2025-27

1. **Walnut St Substation 15kV Distribution Renovation**
 - Underground Utilities
 - \$12,000,000

EH&S Waste Management Facility – 2025-27 Biennium

Existing Campus Waste Management Facility

- Current facility can manage ~ 60 % of the research and treatment derived waste generated annually.
- Waste volumes expected to increase significantly over the next 3 years.
- The facility is 44 years old and is operating beyond typical service life.
- The facility not designed for the current application.
- Due to competing demand, regulatory changes, higher cost and logistical challenges, external waste management options are not preferred.



Proposed Campus Waste Management Facility Advantages

- The facility capacity will be able to manage current waste volumes as well as projected increased volumes due to research.
- The existing facility will be moved to back up service providing for better continuity of operations.
- The new facility will be more efficient and will meet more stringent air quality standards.



Connecting Strategic Plan to a Facilities Plan – FP&M

1. *Excellence in Research and Scholarship*

- *Provide safe, reliable and efficient support services to strengthen facility services for growth in faculty and staff research*

2. *Wisconsin Idea*

- *Provide for innovation in research through reliable and safe services*

3. *A High-Performing Organization*

- *Enhance an asset for research growth*
- *Commitment to conservation, preservation and sustainability*

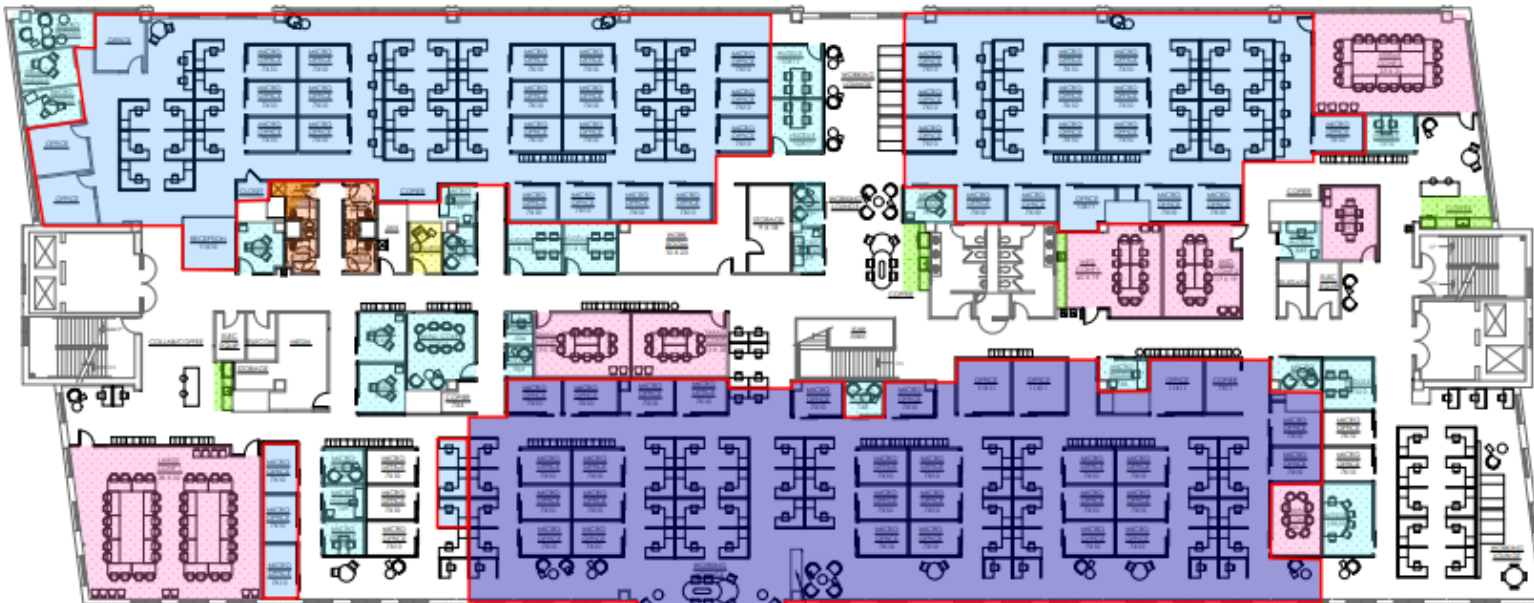
Major Project Priorities 2025-27

1. EH&S Waste Management Facility

- Campus research and treatment derived waste management
- \$12,000,000

21 North Park Street Renovation Floors. 1, 5-7: 2025-27 Biennium

- Right sized/right mix private office and workspace systems – potentially tripling building occupancy
- Flexible furniture that is ergonomic and adaptable
- Technology to support in person and hybrid modalities including Room scheduling software
- Reservable meeting and huddle rooms of varying sizes Collaborative Lounge Areas/Kitchenettes
- Acoustical Enhancements and White Noise Systems
- Access to daylight and Improved Lighting
- Gender inclusive restrooms, Wellness Rooms and Showers



Possible Floor Plan: Includes a mix of private micro-offices and huddle rooms, open workstations, collaborative and meeting spaces, reception, and a wellness room



Connecting Strategic Plan to a Facilities Plan – FP&M

1. *Provide a Vibrant Campus Community:*
 - *Ensure a safe, healthy, and enriching work environment that promotes employee wellness.*
 - *Promote diversity among staff and create a welcoming, empowered, and inclusive community.*
2. *A High-Performing Organization*
 - *Support and enhance our high-quality and dedicated workforce through improved office configurations to accommodate various work modalities.*
 - *Demonstrate a commitment to conservation, preservation, and sustainable practices.*

Major Project Priorities 2025-27

1. **21 North Park Street Renovation Floors 1, 5-7**
 - Office renovation to maximize space utilization
 - \$24,000,000 (Potential phasing opportunities)