

Campus Utility Building Duluth Campus

Board of Regents Facilities and Operations Committee
June 13, 2013

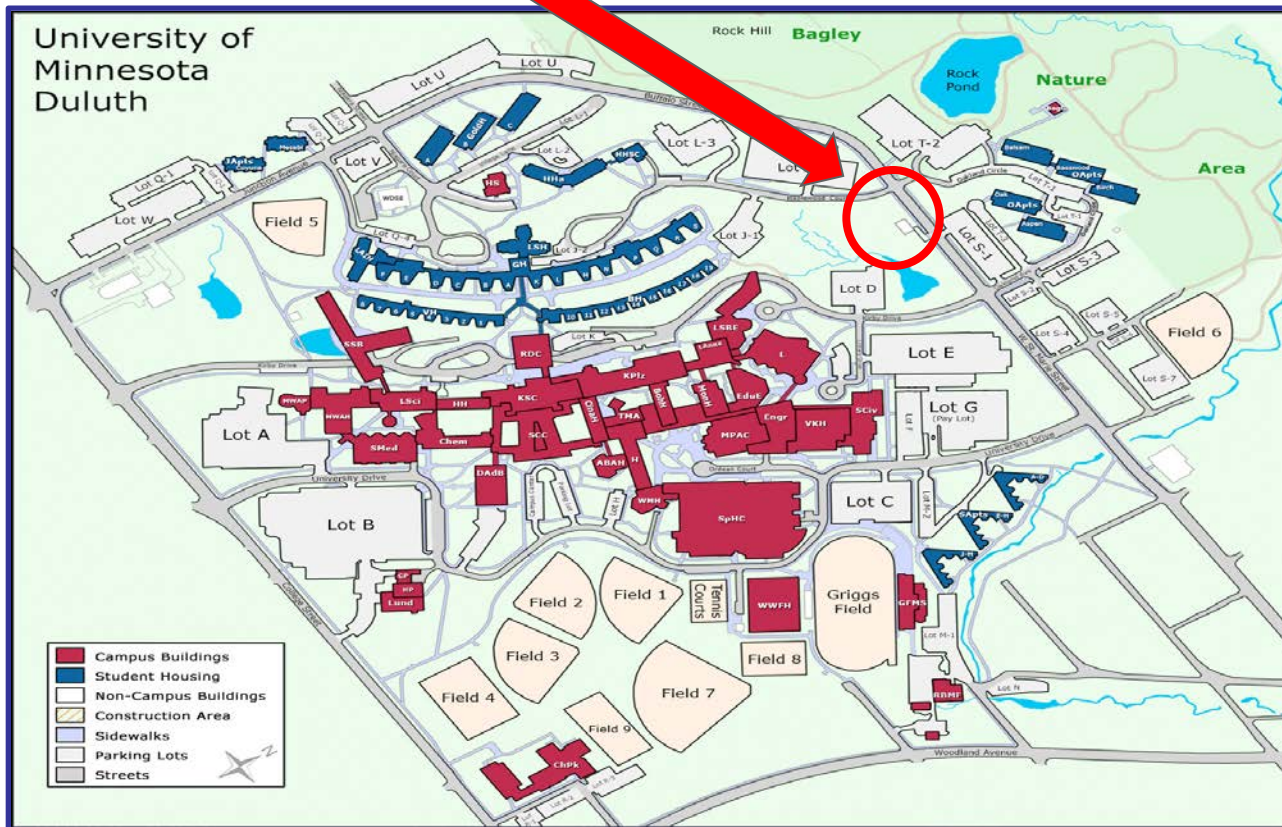


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Location Map

Campus Utility Building



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Site Plan



Project Rationale

- Campus is reaching capacity with its current chilled water infrastructure
- Chilled water master plan includes a third chiller pod on campus
- The third chiller pod will help balance the campus cooling infrastructure system
- The existing electrical substation will be enclosed as part of the project for security purposes and aesthetics
- Meets UMD Strategic Goal 6
 - Enhance UMD's infrastructure, technologies, and information, financial, and human resources to support the campus in a sustainable manner



Project Rationale: Capital Plan Metrics

- Ensure student success by:
 - Creating facilities that are directly related recruiting, educating, supporting, and graduating students
 - Creating facilities that improve learning and research outcomes
 - Creating facilities that uniquely enhance student satisfaction
- Protecting public assets and investment by:
 - Making infrastructure investments that ensure reliability over the long term, lower energy and operating costs and advance environmental stewardship



Project Description

- 5,000 gsf Central Utility Building which includes:
 - 2,000 additional tons of cooling capacity for campus
 - Purchase / install a second 1,000 ton chiller to reduce future construction costs
 - Enclosure of the existing electrical substation



Project Description

- Cost Estimate
 - Construction \$ 3,500,000
 - Non-Construction Cost \$ 500,000
 - Second Chiller Purchase \$ 500,000
 - **Total Project Cost** **\$ 4,500,000**

- Capital Funding
 - UMD Facilities Management \$ 4,500,000



Project Description

- Anticipated Completion
 - January 2014
- Estimated Annual Operating Costs
 - \$29,000
- Architect and Utility Engineer
 - Perkins+Will Architects
 - Dunham and Associates
- Project Delivery Method
 - Construction Manager at Risk: Kraus Anderson Construction



Building Exterior

Approach View



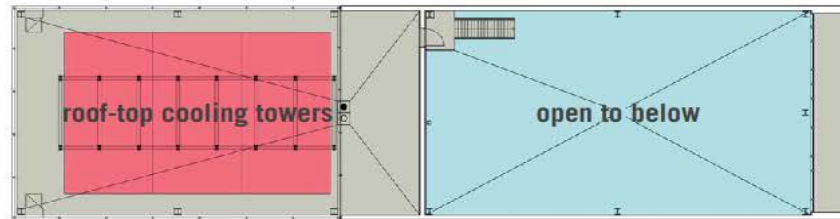
University of Minnesota
Campus Utility Building

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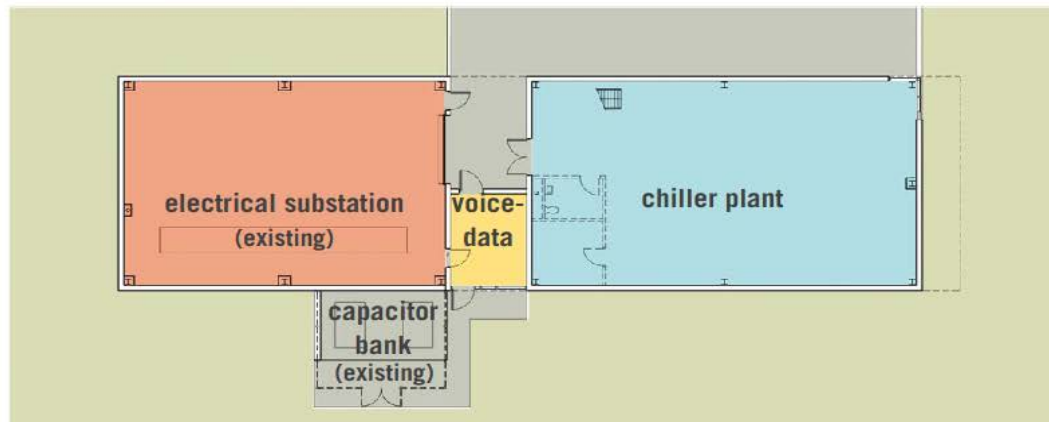


First Floor Plan

Floor Plans



Upper Floor Plan



Ground Floor Plan

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