

Building a Low Carbon 21st Century Public University Campus

Tonga Pham
Kelly Hayes McAlonie
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Hello



Tonga Pham

Associate Vice President University Facilities



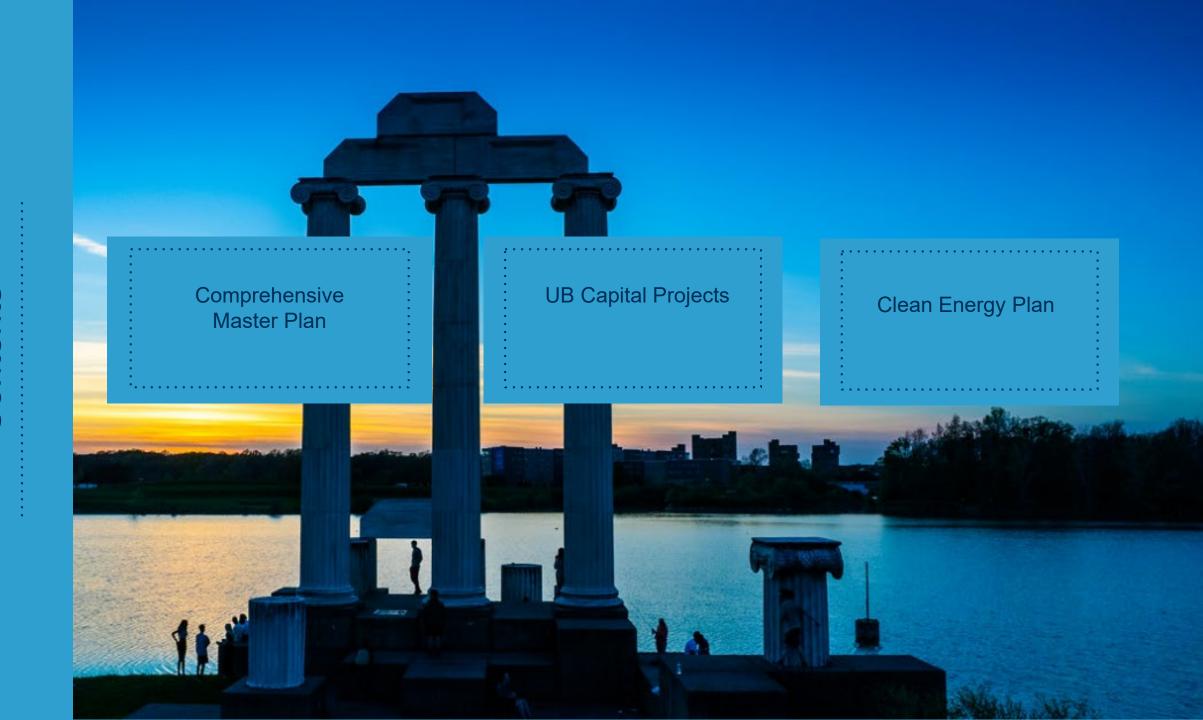
Kelly Hayes McAlonie

Director, Campus Planning University Facilities



Bruce Buerger

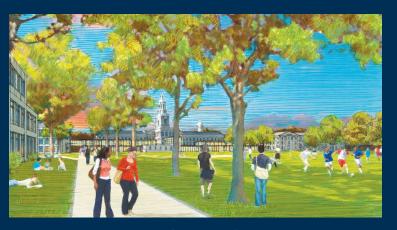
Director Capital Planning & Deferred Maintenance University Facilities



CREATE Downtown Campus by moving the JSMBS from South Campus



REIMAGINE North Campus as an Undergraduate and Research Center

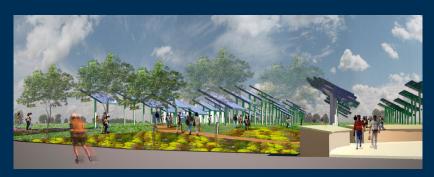


REVITALIZE South Campus as a Professional Studies Campus



IMPROVE the campus life experience at all three centers

Comprehensive Master Plan



REDUCE deferred maintenance and address priority infrastructure

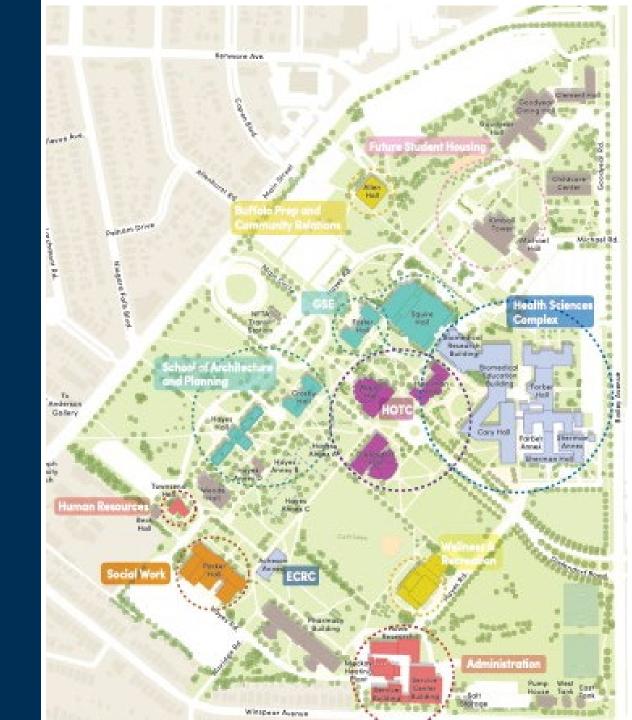
South Campus Revitalization Plan

Architectural (Restore E.B. Green Historic Plan):

- Restore Main Street landscape
- Connect campus along historic corridor
- Preserve quads and lawns
- Complete Hayes Loop
- Build with Hayes Loop
- Create a primary Bailey Ave. entrance
- Provide access to recreation
- Improve Bailey Ave landscape

Programmatic:

- Move Schools of Social Work (SW) and Graduate Schools of Education (GSE)
- Move administrative offices
- Address space needs of growing schools
- Demolish temporary and vacant buildings



Reimagine North Campus Plan

Campus Planning:

Realize Sasaki 1970 Plan

- Strengthen Spine
- Develop Lee Road
- Celebrate Lake LaSalle

Architectural | Landscape Architectural:

- Wellness & Recreation Center
- Renovate Brutalist buildings w/ SHPO standards
- Rejuvenate the Promenade
- Rethink Mary Talbert Way
- Create Student Oval
- Connect Pathways to Baird Point
- Rethink Greenspaces and Parking Lots

Programmatic:

- Create HOTC
- Consolidate and Strengthen University Libraries
- Grow CAS | SEAS | SOM | Law
- Modernize Athletics Facilities





Is it consistent with our **Comprehensive Master Plan?**



How does it advance our **Strategic Goals?**



How does it advance our goal of Top 25??



Does it impact retention and our **Campus Experience?**

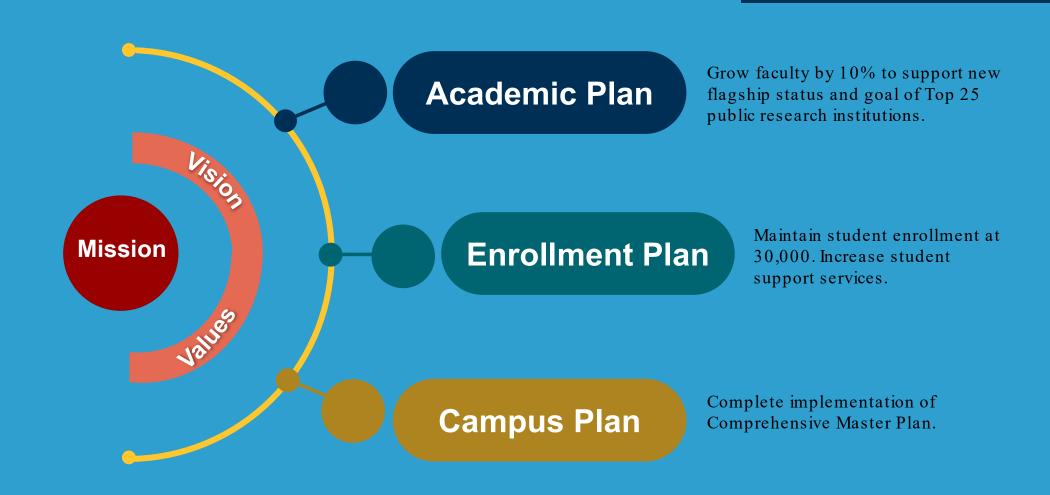


Does it address SUCF's lump funding criteria?



Does it reduce deferred maintenance?

UB Strategic Plan



Type 1

Holistic Health and Wellness Centers



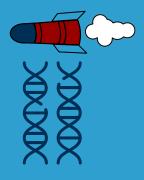
Type 2

Dining Halls and Food Spaces



Type 3

Modern Student Housing



Type 7

Interdisciplinary Research Facilities



Type 4

Hybrid and Flexible Office Spaces



Type 5

Tech-Enabled Classrooms



Type 6

Libraries and Learning Commons

2023: YEAR IN REVIEW

\$645,000,000

Capital Projects Value





The Landing at Ellicott
North Campus
Status: Construction Phase

Brittany Murchie Mulla Sports Performance Center North Campus Status: Construction Phase

Agrusa Hall North Campus Status: Design Manual



Clark Hall South Campus Status: Schematic Design Parker Hall
South Campus
Status: Concept Phase





Crosby Hall South Campus Status: Completed

Foster Hall
South Campus
Status: Construction

50 approximate

Small Scale Renovations

\$24,000,000

Project Value



Silverman Library Front Entrance Complete: August 2024



Al Institute Lockwood Library Complete: March 2024



Baird Hall Classrooms Complete: August 2025



Capen Northcourt Complete: May 2024



Diefendorf Hall Classrooms 6 & 7 Complete: January 2024



Squire Hall
1st Floor Clinics
Complete: September 2023



Student Union
Universal Restrooms
Bidding in: Spring 2024



Student Union

1st Floor Upgrades
In Construction

2024: YEAR IN REVIEW

\$1,266,000,000

New Building-Wide Projects Value

\$1,533,000,000

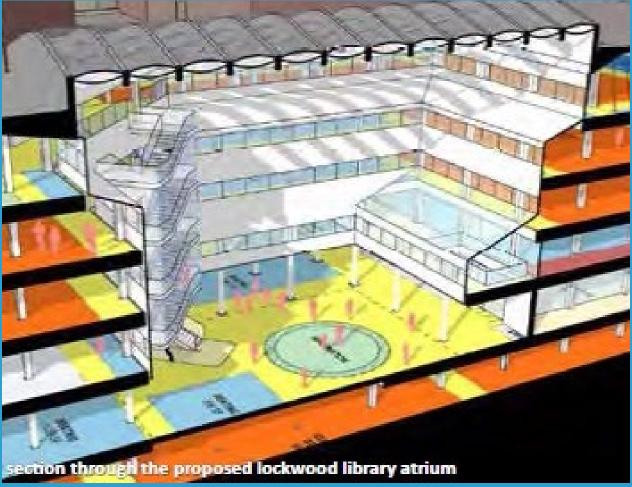
Capital Projects Value



Lockwood Library North Campus Program Phase \$310M







Building Wide Projects



Computing / Science Education Center
North Campus
RFQ Date: April 2024
\$60M

Building Wide Projects

A Centennial Celebration of Ulysses: 1922-2022



Joyce Exhibit at Abbott Library
South Campus
Schematic Design
\$11M

2025: LOOK AHEAD

Interdisciplinary Research and Al & Society Building North Campus RFQ Date: October 2024





Cooke Hochstetler North Campus

Planning Studies





Mobility All Campuses

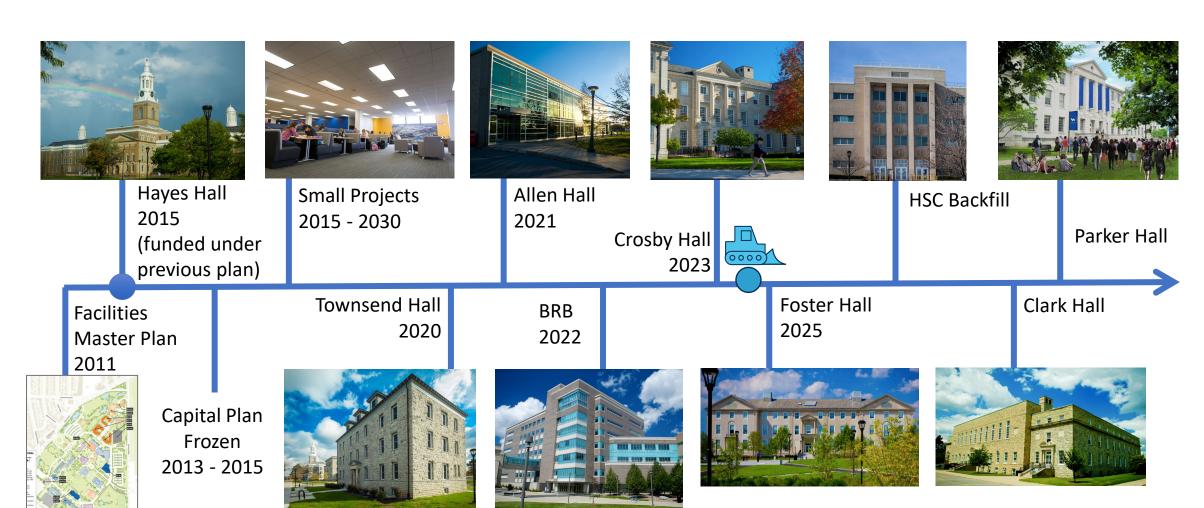


Historic Framework: 1945-1980 North and South Campuses



Open Spaces
North and South Campuses
Including Promenade

SOUTH CAMPUS REVITALIZATION CAPITAL PROJECTS COMPLETION TIMELINE



NORTH CAMPUS REIMAGINING CAPITAL PROJECTS COMPLETION TIMELINE



CLEAN ENERGY PLAN

New York State Climate Goals



Achieve Climate Neutrality by 2050 (Climate **Leadership Community Protection Act)**



Mandate 70% renewable power by 2030



Phased out coal power in 2020



State Agencies to Decarbonize their Investment Funds and Investment in Clean Energy



Phase-out of fossil-fueled vehicles banning sales after 2035 in NYS



Zero Waste Initiatives (compost mandate and phasing out of single use plastics)



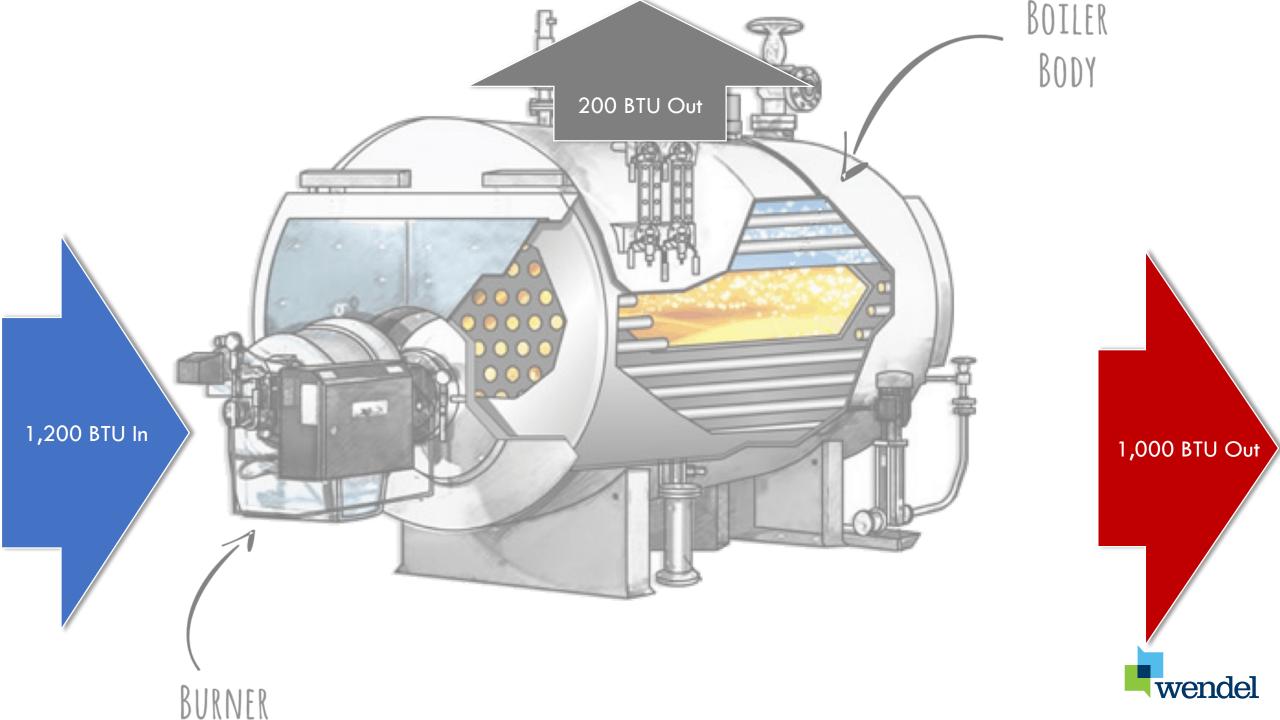
What is electrification

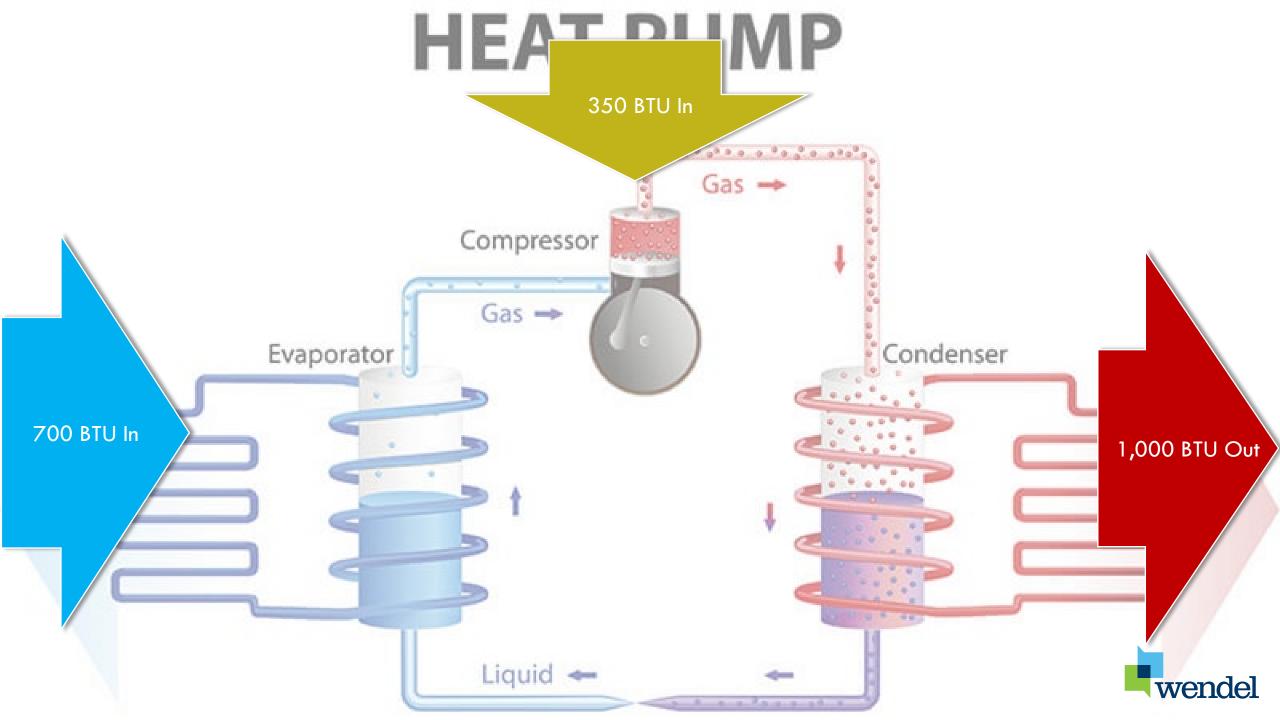
- Shifting source energy from fossil fuels to electric
- Leverage renewable energy generation
- Leverage carbon reductions in the grid
- Path to transformative changes
- Path to carbon neutrality





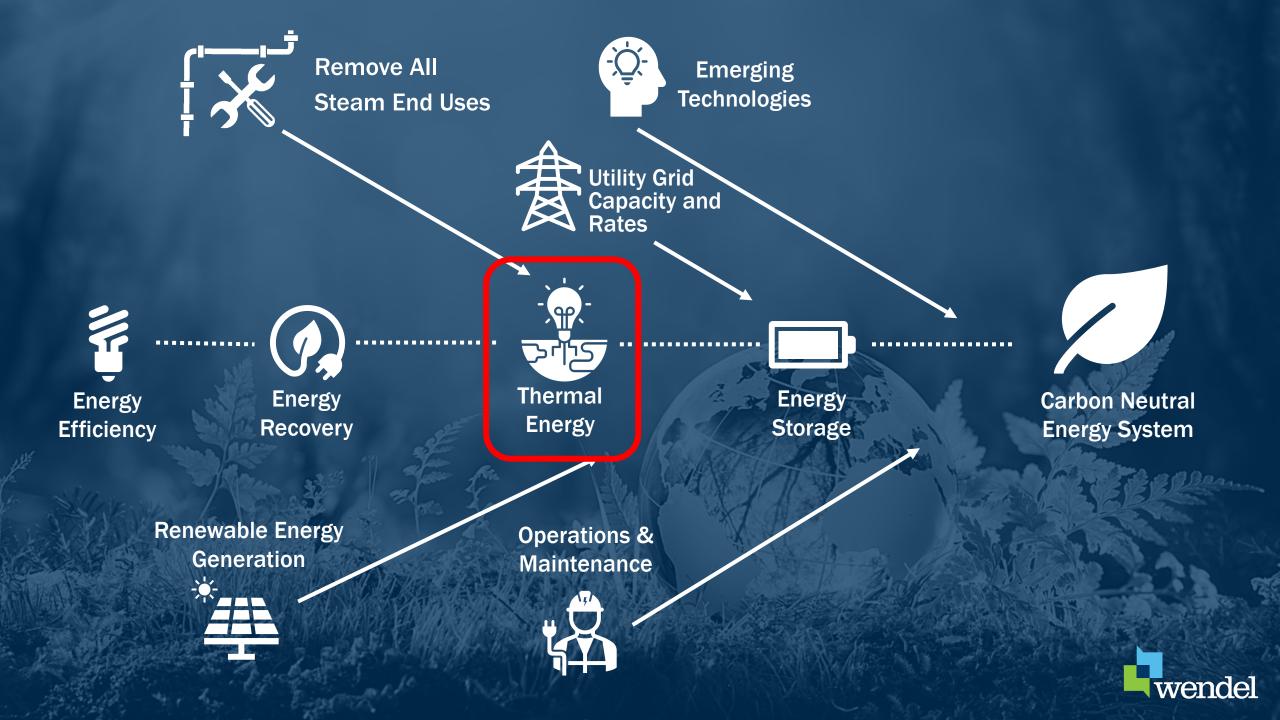
Why do we keep talking about heat pumps?

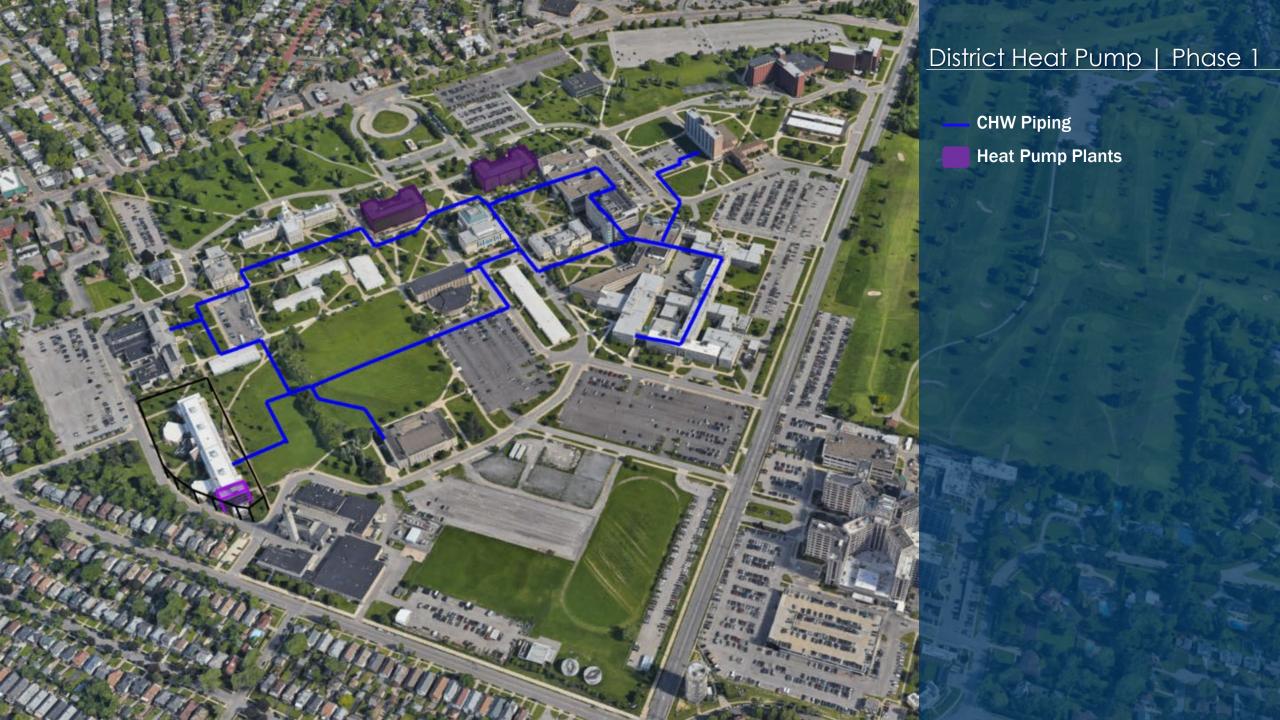


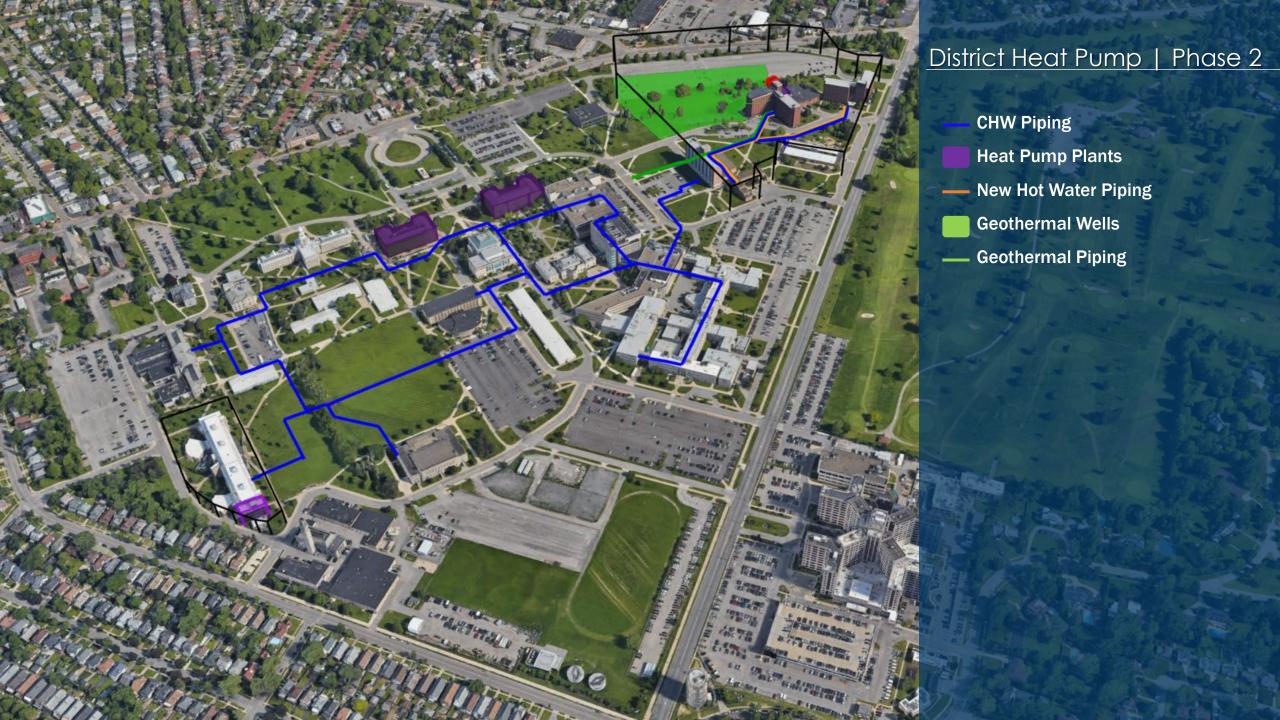


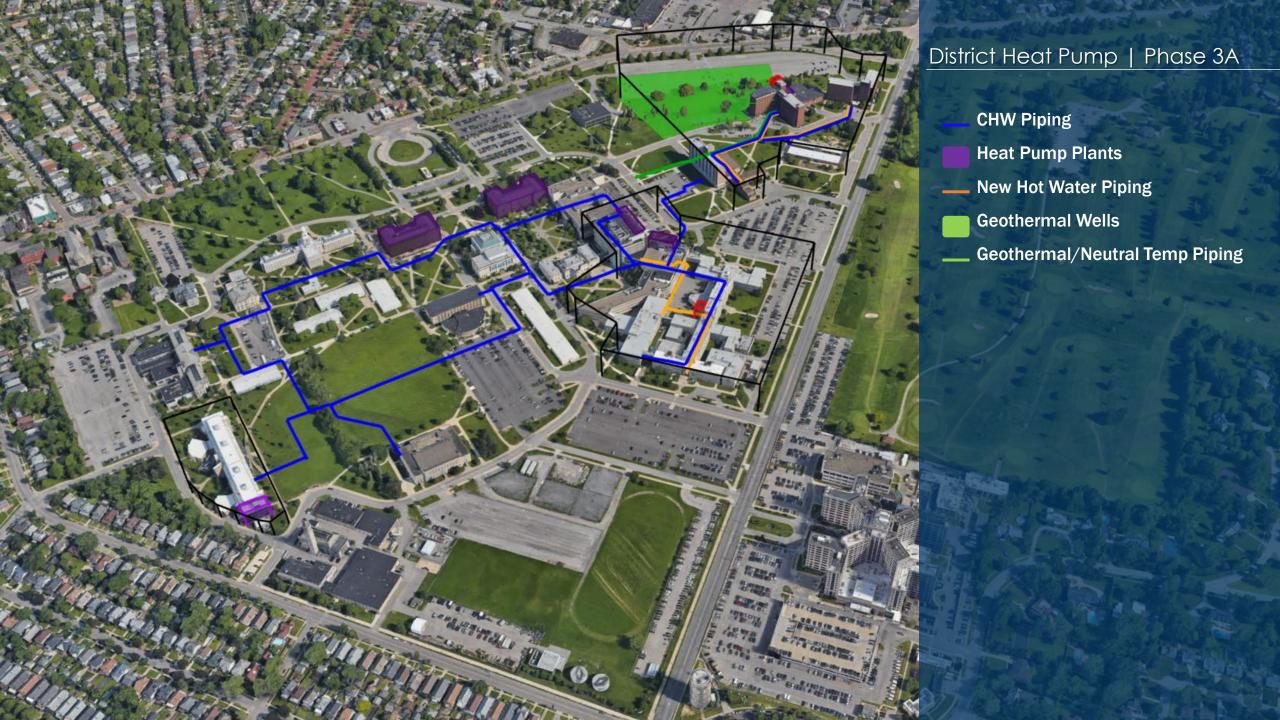


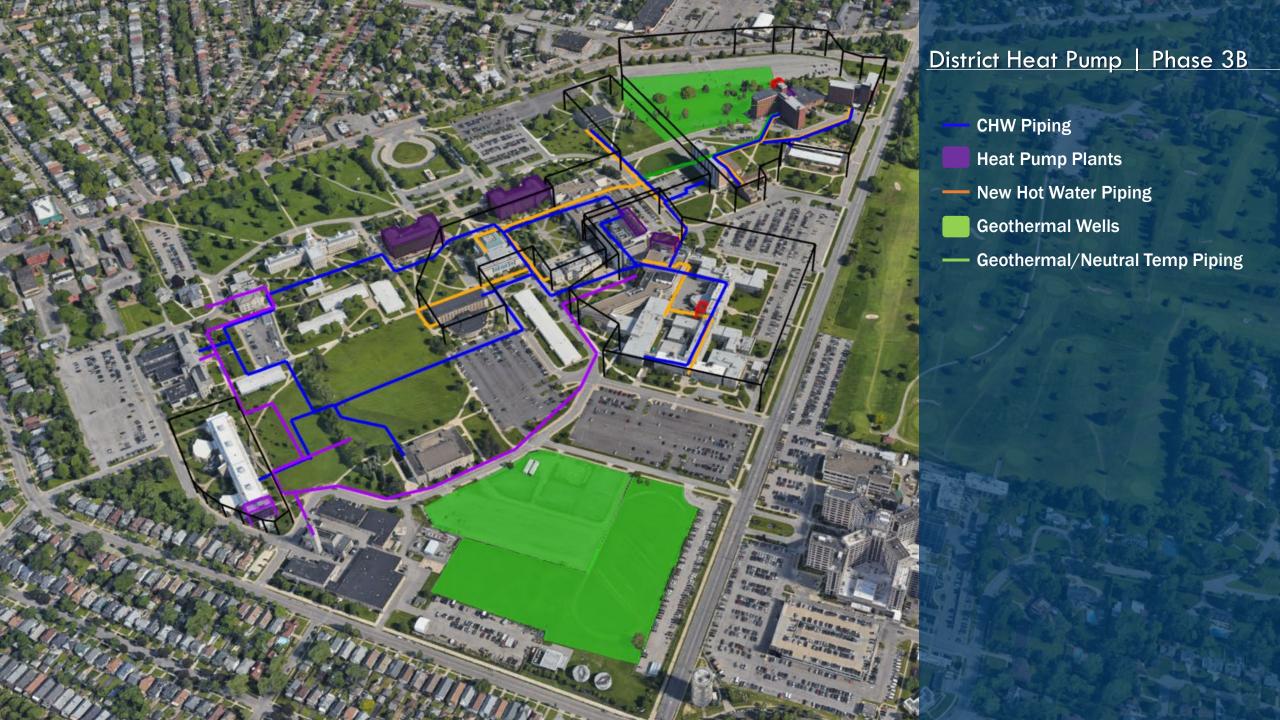
South Campus Clean Energy Master Plan

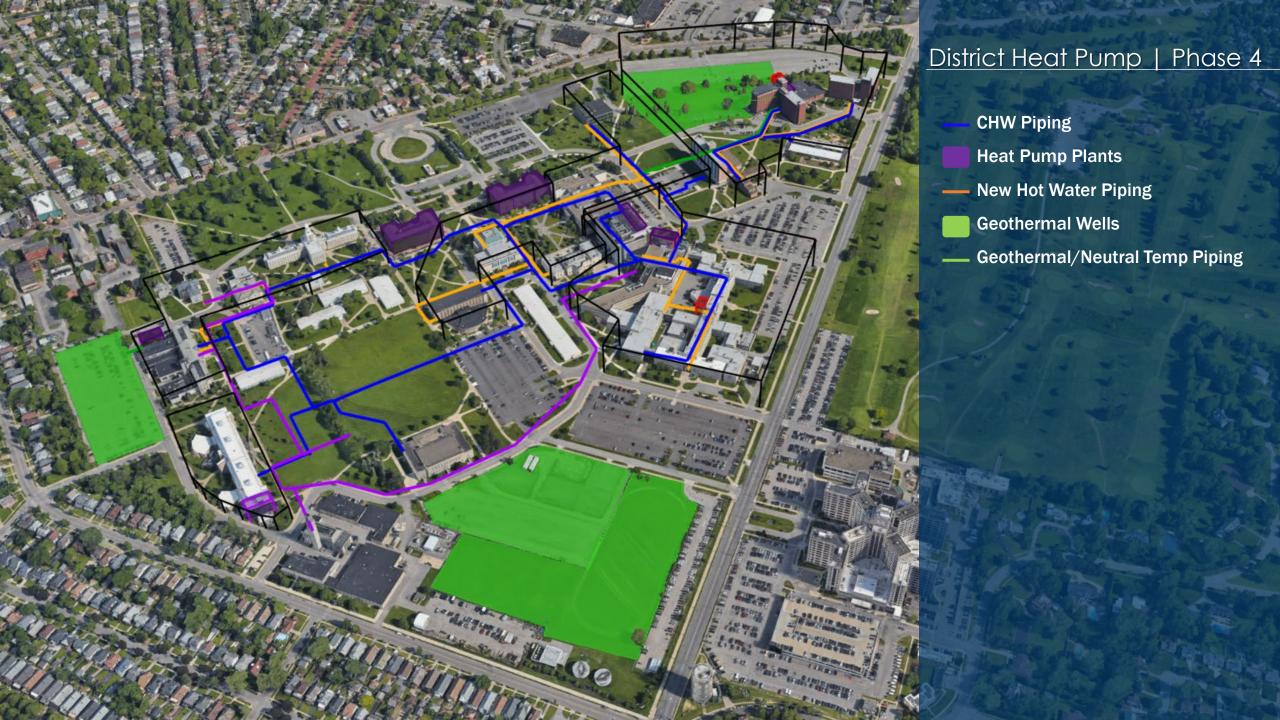






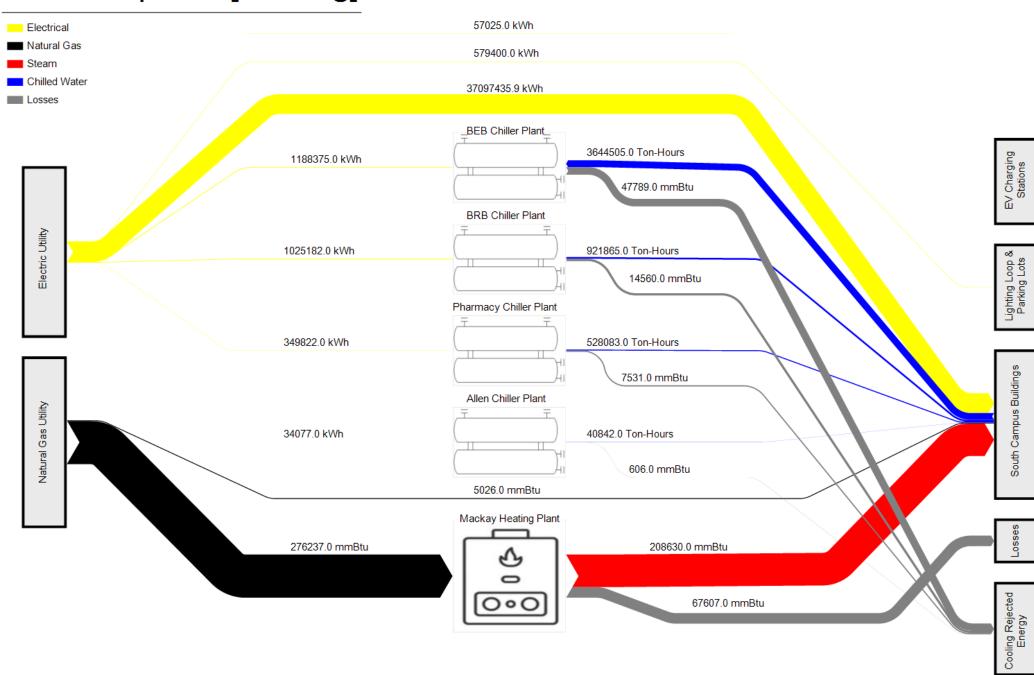








UB South | Plant [Existing]



UB South | Plant [Proposed]

