Enterprise GIS Steering Committee Meeting

February 21, 2025

Agenda

- 1. Welcome
- 2. Current System Status
- 3. 2024 Highlights
- 4. Projects in Progress
- 5. Budget Considerations
- 6. Other Business

Committee Members

https://facilities.ofa.ncsu.edu/committees/gis-steering-committee/

MEMBERS

Amy Orders	Assistant Vice Chancellor	Emergency Preparedness and Environmental Health
Lisa Johnson	Assistant Vice Chancellor, University Architect	Campus Planning and Strategic Investment
Allen Boyette	Assistant Vice Chancellor	Campus Operations and Maintenance
Sarah Ketchem	Director	Landscape Maintenance and Operations
Kim Vassiliadis	Assistant Vice Chancellor	OIT Outreach, Communications and Consulting

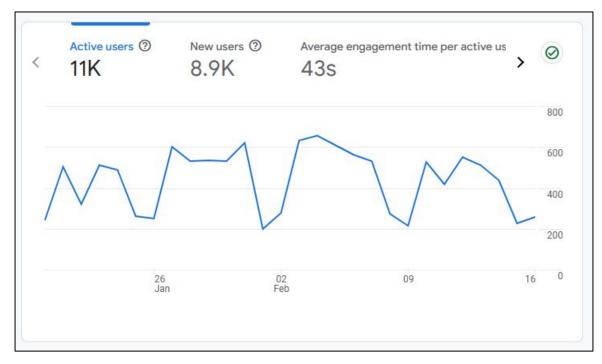
Current Systems Status - Users

	System (Portal)	Utilities Viewer		
Total Users	355	245		
NC State Users	276	166		
Consultants	79	79		

- Total users increased by ~250 since implementing Portal in 2022
- ~35 users actively supporting data collection and updates
- ~10 users creating GIS content on Portal

Current Systems Status -Campus Map Visitors

• Google Analytics - user counts for typical 28 day period

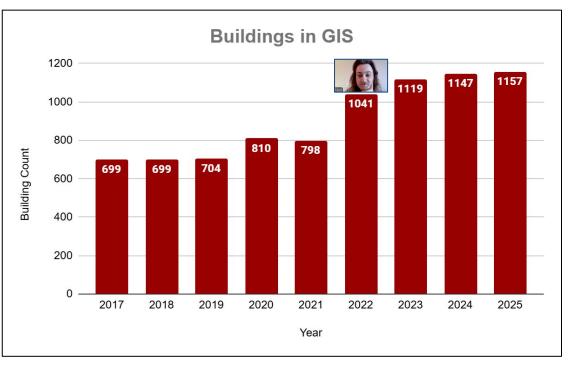


• First day of classes Fall 2024 = 1,800 active users

Current Systems Status - Buildings

- Completed locating/resolving all active buildings in GIS
- Current Building Footprints in GIS = 1,157





2024 Highlights Utility Data Development

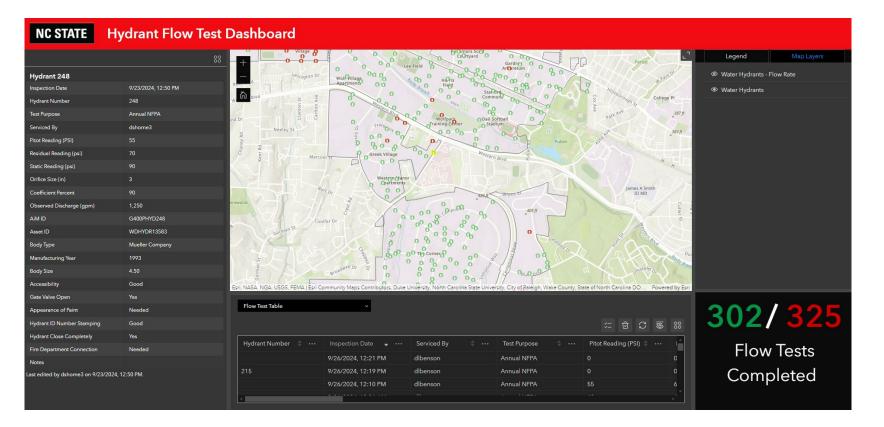
- Completed migration of sewer and water databases from ArcMap to ArcGIS Pro
- Migration projects implemented new rules and functionality to improve data integrity and support QA/QC of existing data
- Projects provided editing and admin training for GIS team

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2024 Highlights Utility Inspection Workflows

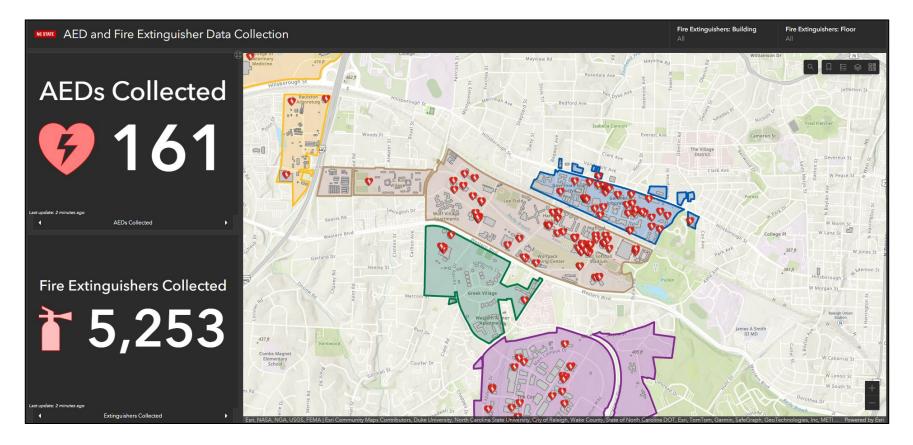
• Hydrant Flow Test Dashboard:

https://gismaps.oit.ncsu.edu/portal/apps/experiencebuilder/experience/?id=3fa569a636fa4e5883b3b2c9020a4736



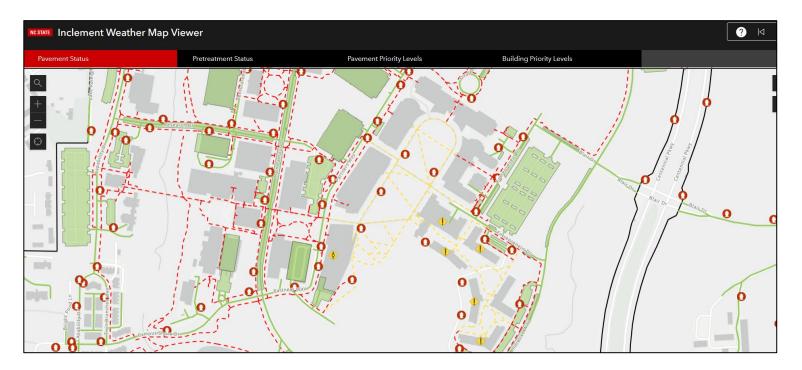
2024 Highlights AED Data Development

 AED and Fire Extinguisher dashboard: <u>https://gismaps.oit.ncsu.edu/portal/apps/dashboards/f8fe04234ca14dd3bc4c0b4d612438c1</u>



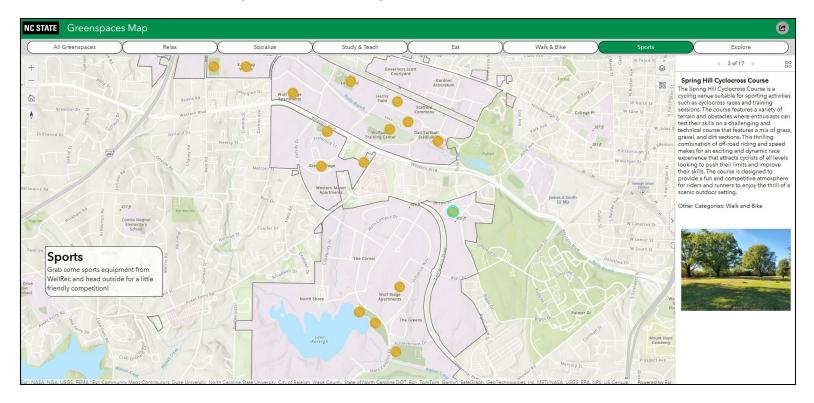
2024 Highlights Inclement Weather Mapping

- Inclement weather GIS applications used to update clearing status and hazards during inclement weather events
- Inclement Weather Viewer: <u>https://gismaps.oit.ncsu.edu/portal/apps/instant/portfolio/index.html?appid=d2ee72220175474f959dfcc482fbba76</u>



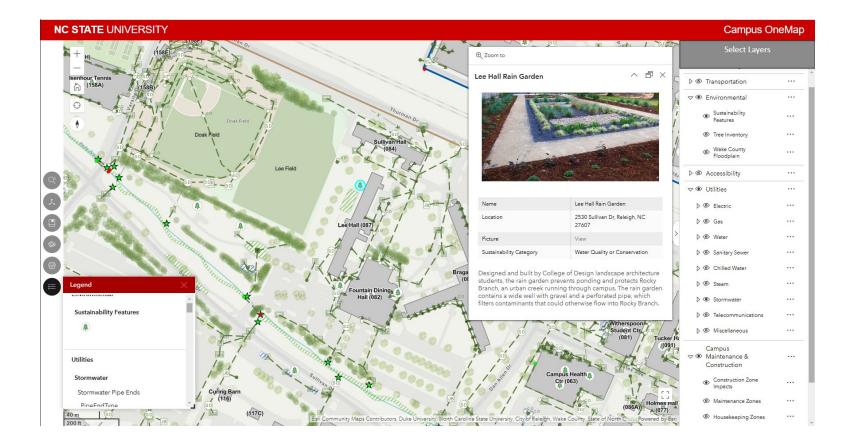
2024 Highlights Greenspace Map

- A new public-facing application to assist faculty, staff, and students in finding places to nourish their mental, physical, and social well-being.
- Greenspace Map: <u>go.ncsu.edu/greenspaces</u>



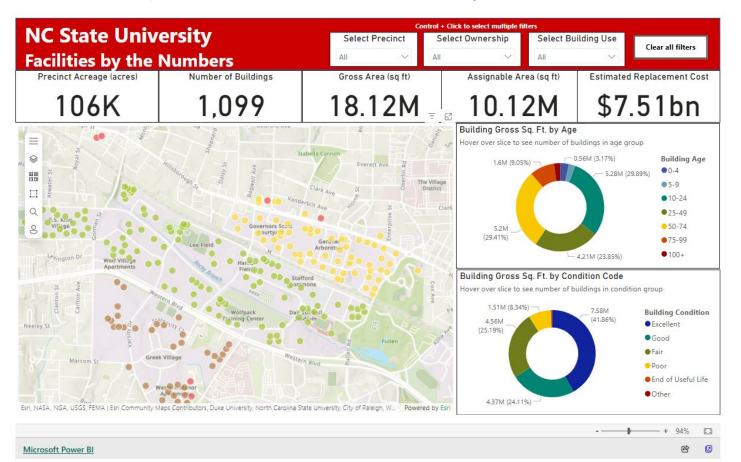
2024 Highlights Campus OneMap

https://go.ncsu.edu/campusonemap



2024 Highlights Facilities by the Numbers Dashboard

https://facilities.ofa.ncsu.edu/facilities-by-the-numbers/



The dashboard is powered by FM:Interact, NC State's internal building and room database. The data is updated at the beginning of every quarter (1/1, 4/1, 7/1, 10/1). If you have questions about the dashboard, please contact Erin Seiling, eeseilin@ncsu.edu.

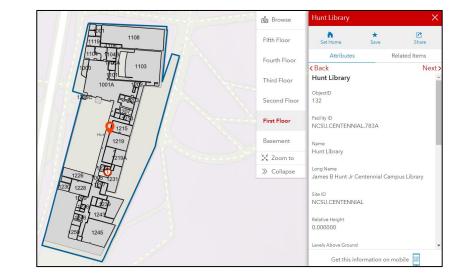
Projects In Progress - Campus Map

Digital Accessibility

- ADA update of 2024 establishes the expectation that state and local governments will provide accessible services, programs, and activities, in the digital space.
- WCAG 2.1 Level AA is the technical standard for conformance with Web and Mobile Accessibility under Title II of the ADA. Due by April 24, 2026
- Vendor working on for FY 24-25
 - Keyboard navigation of the controls through Tab order
 - Color contrast and symbology

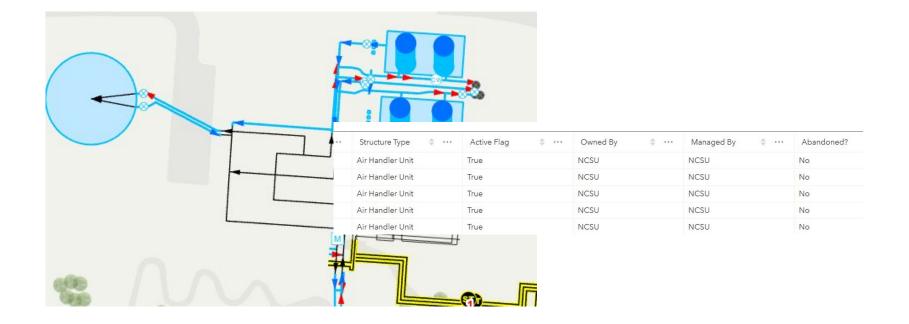
Projects In Progress - ArcGIS Indoors

- Continuing to migrate CAD floor plans to GIS
- Focusing on migration workflow and QA/QC process
- Integration with FM:I in progress
- Testing connecting interior assets to floors/spaces
- Current stats:
 - Facilities completed = 172
 - Floors completed = 573
 - \circ Rooms completed = 30,237



Projects In Progress - Data Migration

- Chilled Water and Steam
 - Will be done concurrently
 - Last two utilities maintained by U&E to be migrated



Projects In Progress - ComTech Needs

- This project will document the business needs and functional requirements for ComTech to consider moving its Telecom spatial data management from CAD to GIS.
- Complete by June 30, 2025



Budget Considerations

- Campus Map Enhancements
 - Enhance search options
 - Parking capacity link (<u>https://transportation.ncsu.edu/</u>)
 - Improve construction staging pop-up
- Review back-end architecture
- Improved Indoors viewer
- Student intern to support Indoors

Other Business