

Strategic Plan: Pillar 5: Committing to a Campus that has Modern Facilities & Infrastructure - Updated 4/23/2026

Goals

- Goal 5.1: Invest resources to address the current infrastructure challenges. This should remain a priority while considering funding future technology initiatives
- Goal 5.2: Invest in facilities and technology infrastructure that will enhance the teaching and learning environment as well as provide for operational growth opportunities
- Goal 5.3: Explore and implement flexible technology solutions that will foster positive teaching and learning experiences for all modalities
- Goal 5.4: Develop a framework encompassing tools and policy that shares best practices and fosters engagement in support of emerging technologies and infrastructure
- Goal 5.5: Invest in facilities and technologies to allow for sustainability, reliability, and future planning
- Goal 5.6: Address environmental issues by continuing and establishing relationships with the community as well as leveraging social technology and online resources to communicate findings

Goal 5.1: Invest resources to address the current infrastructure challenges. This should remain a priority while considering funding future technology initiatives

Desired Objectives/Targets	Assessment Methods/Tools	Results/Analysis	Action Steps	Comments/Assign
(In regard to the goal above, what are the specific objectives/targets you hope to achieve?)	(What evidence will you gather to assess the objective and how?)	(What are the anticipated results of the evidence collected?)	What are we doing (or already completed) based on the results	
1.1 Create and maintain an inclusive physical environment that meets or exceeds the standards set by the Americans with Disabilities Act (ADA) , ensuring equitable access for all students, faculty, staff, and visitors.	1. Conduct Accessibility Audits: Perform comprehensive audits of all campus facilities to identify barriers to accessibility and prioritize corrective actions.	Identify % of compliance of campus facilities meeting ADA standards by [2027] – compliant, partial, non	obtain resources to address any areas that are not compliant.	
			YTD Status	
			Furnish and install (7) Dorma door operators and (12) activation plates:	
			1N inner door	
			3N inner & outer doors	
			4S outer door	
			5S outer door	
			1R inner & outer doors north side; Library	

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	2. Upgrade Infrastructure			
	Implement modifications such as ramps, elevators, accessible restrooms, signage, and assistive technologies to meet ADA standards.	feedback received from accessibility surveys (students, faculty, staff).	Furnish and install (2) exterior activation plates: 3A exterior push plate; 1P exterior push plate east side	Is there a University audit that we can leverage [Jorma? Stefan?]
			Classroom access: 1PLH (119); 1PRH (120); 2S116; 2M210; 4N219 future	#’s from Stefan – requests for accommodations – any shortfalls? [Linda - see notes tab
	3. Develop Policies and Training			
	Establish clear policies for ADA compliance and provide training for facilities staff on accessibility best practices.	Participant log from professional development opportunities offered by IT and Center for Professional Development	get data from fall/spring events for accessibility workshops	How do we know we are being compliant ? [Patty]
		Link to CUNY website for ADA compliance	website oversight - tools and publishing	[Patty]
			LMS; #’s documents that are compliant	[Patty]
			# of class offerings	
	4. Monitor and Report Progress			
Create a system for ongoing monitoring, reporting, and continuous improvement to maintain compliance and address emerging needs.		Google Analytics - # of hits on website		

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1.2 Design, operate, and maintain campus facilities in a manner that minimizes environmental impact, conserves resources, and supports institutional sustainability goals	1. Energy Efficiency Upgrades: Implement energy-saving measures such as LED lighting, smart HVAC systems, and building automation to reduce energy consumption.	Reduce campus energy consumption by X% by [target year].	CSI 1L 1R 6S 2A LED Upgrades: Lighting upgrades for buildings 1L,1R, 6S, and 2A will involve replacing existing lamps with energy-efficient LED units throughout all areas, for energy savings. The new lighting levels will meet or exceed current industry standards (e.g., IES standards) to ensure optimal illumination and maintain consistent lighting intensity to support the extended hours of operation and activities in the library.	Timeline – aspirational; costly; vetted through facilities – Frank; capital plan – work with CUNY to include in our plan – e.g. vehicles [JORMA]
		Achieve LEED certification for all new buildings.	CSI Athletic Field Lighting: New lighting as well as related underground conduits and wiring at the Soccer Field and the recently reconstructed Track & Field. On the Baseball and Softball Fields, the existing light tower structures will remain but be re-lamped. The fields shall be equipped with new LED lamps, to maximize useful life and energy efficiency and allow for the facility to improve its hosting capabilities for sanctioned NCAA (Collegiate). Work authorization expected shortly.	
		Dimmers		
	2. Water Conservation: Install low-flow fixtures and adopt water-efficient			Water temperature – heating – instead of energy generation – solar thermal systems – water heat up from the sun –
			Geothermal – con Edison – consider for building remediation [DIMITRIUS]	

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	3. Waste Reduction and Recycling			
	Expand recycling programs, reduce single-use materials, and promote composting where feasible.	renewable energy usage to Z% of total energy consumption.		
	4. Green Building Standards	HVAC	CSI HVAC and VFDs upgrade project: VFD Replacement or new installation as needed in buildings 1R, 1C, 1L, 4N, 5N, 6S. New VFDs will be integrated with the BMS system and programmed for optimal air flow and pressure control; project will include replacement and calibration of static pressure sensors well as installation of electrical components such as disconnects and circuit breakers. With this project we aim to achieve energy savings and enhanced climate control.	
	Ensure new construction and major renovations meet LEED or equivalent green building certifications.			
	5. Renewable Energy Integration			

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	Explore solar, wind, or other renewable energy sources to offset campus energy needs.	Water Management	As part of a green infrastructure initiative, and through a DEP grant, CUNY is working with us to scope and add detention systems to parking areas to manage water run off. - also include sidewalks	
1.3 Implement a comprehensive program for physical reconstruction and facility upgrades to ensure safe, and technologically advanced environments that support academic excellence and operational efficiency.	1. Structural Renovation: Upgrade aging buildings to meet current safety codes: Restrooms; HAVAC; ADA compliance, and energy efficiency standards.	Percentage of facilities meeting updated compliance and sustainability standards.	Campus-Wide Toilet Reconstruction project phase 1: 1L, 1C; 1P First Floor; 1A First Floor. 1P and 1A first floors, as well as 1C and 1L in their entirety. Bidding early February. Pre-award in May. Board of Trustees approval in June. ETA to start construction to follow.-	
	2. Technology Integration: Incorporate smart building systems (HVAC, lighting, security) and expand connectivity infrastructure.	Reduce deferred maintenance backlog by X%.; perform generator maintenance and replace where necessary	Generators - replacing parts now - 1L; 1C; 1P; 1M; renovations; new systems; IOT [Tom; Patty; B&G]	
		Measure performance of network in dense areas during peak periods improved connectivity by X% compared to previous years	Network	
			<ul style="list-style-type: none"> replace fiber connecting buildings for network access; increased bandwidth and capacity 	
			<ul style="list-style-type: none"> replace fiber in buildings connecting to network switches for increased capacity and bandwidth 	
			<ul style="list-style-type: none"> increased capacity and bandwidth for endpoints 	

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	<p>3. Sustainability: Adopt green building practices, reduce carbon footprint, and pursue LEED certification for major projects.</p>	<p>Completion of priority reconstruction projects within budget and timeline.</p>	<p>Assess HVAC across all buildings; perform required maintenance; provide recommendation if needed for replacement</p>	
	<p>4. Space Optimization: Redesign spaces to support flexible learning environments, collaborative work areas, and modern student amenities.</p>		<p>report on spaces currently redesigned; assess areas for possible redesign</p>	<p>Also need to look at underutilized space for reallocation</p>
	<p>5. Deferred Maintenance Reduction: Address critical backlog of repairs and preventive maintenance to extend asset life cycles.</p>		<p>6S compressors; basic fundamental investments</p>	<p>air compressor is a critical component to the HVAC system in order to support research and instruction in our science building 6S. We are working to identify a suitable replacement of the equipment to ensure and support long term reliability of the HVAC system.</p>
			<p>Looking to address cooling and hvac issues in the HPC area both on the second floor (server room) and basement (UPS room). In the server room we are looking the rehabilitate the existing systems and the UPS room we are looking to install a new appropriately sized system</p>	<p>Impact of taking spaces offline to perform renovations</p>

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	5. Navigation: Address navigation challenges - physical and wayfinding	Completion of priority projects within budget and timeline.	Sidewalk	
			Sidewalk Reconstruction Project, Phase 2: (Alumni walk, south plaza of 1R, 1C, and 1L plaza, fountain and wooded park). 30% design submission due end of November. ETA for start of construction spring of 2027 depending on CUNY BOT approval.	
			Navigation	
			Upgrade to Campus Signage and Wayfinding: Design and implement a comprehensive Signage and Wayfinding system throughout the campus and its facilities to enhance navigation for students, faculty, staff, and visitors, inclusive of both physical and digital (kiosk; electrical; data; content design), outdoors and indoors.	review floor plans; occupied/open spaces
			digital signs outdoor for easy navigation; indoor displays; wayfinding maps	wayfinding kiosk out side of 1P

1.12 Accessibility

1. in the OITS instructional and open labs, for every 10 computers, we have 1 accessibility station,
 - a. accessibility desk which can accommodate wheelchairs
 - b. Freedom Scientific Fusion software, which consists of ZoomText Magnifier/Reader and JAWS
 - c. Kurzweil 3000 software
 - d. in the past, when requested by the Office of Accessibility Services, we used to connect CCTVs to a PC (chosen by the student needing the service). As technology became more advanced, such large devices have no longer been needed.
2. In the Library (first floor near the Reference Librarian's desk)
 - a. there are currently 2 Accessibility stations with the above-mentioned software.

one of them has a 24" display

the other has both a 24" and a 19" display

they have large print keyboards

- b. there is 1 scanner
- c. there is a CCTV magnifier
- d. these units are placed on a height-adjustable tables

3. We support the computers in the dedicated Accessibility labs in 1P and 1N (general use PCs equipped with all the software as in instructional labs) as well as PCs for testing.

4. We support student laptops

5. We support the advanced hyflex room in 1P109, which is equipped with auto-tracking camera, camera presets, and enhanced audio system

6. Every year, funds are allocated through Student Technology Fee for Hardware purchases that benefit students. Some past purchases include the following

- a. Windows Laptops & Laptop cart
- b. MacBook
- c. Portable displays
- d. Handheld video magnifiers
- e. Text to Speech Reader Pens
- f. Hearing Systems
- g. Headsets
- h. Microphones and neckloop receivers
- i. yearly renewal of Titanium