APPENDIX

A. Master Plan Team and Schedule
B. Outreach and Letters of Support
C. Simonds Principles
D. Campus Population Trends
E. Building Inventory
F. Parking Inventory
G. Strategy for Tree Preservation and Replacement
H. Streetscape Program
I. Housing Master Plan
**APPENDIX A**

**IMP Advisory Team**
- Angela Blanton, Vice President for Finance and Chief Financial Officer
- Gina Cadalegno, Vice President for Student Affairs and Dean of Students
- Don Coffelt, Associate Vice President for Facilities Management and Campus Services
- John Hannon, Associate Vice President for Community Life
- Ralph Horgan, Associate Vice President for Campus Design and Facility Development
- Michael McQuade, Special Advisor to the President
- Anne Molloy, Board of Trustees
- Allen Robinson, Department Head for Mechanical Engineering
- Rick Siger, Senior Advisor to the President of Economic Development and Community Engagement
- Daryl Weinert, Vice President for Operations

**IMP CMU Staff**
- Jennifer Beck, Project Manager - Campus Design and Facility Development
- Don Carter, Senior Advisor - Campus Design and Facility Development
- Christopher Conroy, Associate Director of MEP - Campus Design and Facility Development
- Thomas Cooley, Executive Director of Housing Services and Space Planning
- Jamison Fielding, Senior Project Manager - Campus Design and Facility Development
- Steve Guenther, Assistant VP Facilities Mgt and University Engineer - Facilities Management Services
- Ralph Horgan, Associate Vice President for Campus Design and Facility Development
- Megan Pierce, Project Associate - Campus Design and Facility Development
- Bob Reppe, Senior Director of Planning and Design - Campus Design and Facility Development

**IMP Consultants**
- David Csont, UDA
- Paul Ostergaard, UDA
- Eric Osth, UDA
- Ashleigh Walton, UDA
- Rich Krajcovic, GAI Consultants
- Todd Wilson, GAI Consultants
- Christine Mondor, evolveEA
- Marc Mondor, evolveEA

**Master Plan Schedule**

**Process Startup: May - July 2020**
- Background Documentation
- Board of Trustee Discussion - May 2020
- Engage Consultants (UDA and GAI)

**Planning Process: August 2020 - May 2021**
- Develop Master Plan Principles
- Develop Development Concepts
- Board of Trustee Discussion - Oct 2020
- Develop Design and Mobility Concepts
- Begin Campus and Community Outreach
- Board of Trustee Discussion - May 2021

**Develop Plan & Outreach: May - December 2021**
- Performance Targets Discussion with DCP
- Finalize Development and Mobility Goals
- Continued Campus and Community Outreach
- Format and Develop IMP Document
- Final Review with Board of Trustees - Sep 2021

**Approval Process: December 2021 - September 2022**
- Finalize IMP Document
- Finalize Performance Targets
- File Application with City Planning - Dec 2022
- Additional Campus and Community Outreach
- Planning Commission - June 2022
- City Council Approval - Sept 2022
## Community Meetings

<table>
<thead>
<tr>
<th>Campus Meeting</th>
<th>Date(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Leadership Forum</td>
<td>14 Apr 2021, 12 Jan 2022</td>
</tr>
<tr>
<td>Academic Leadership Group</td>
<td>18 Nov 2021</td>
</tr>
<tr>
<td>Advisory Team</td>
<td>bi-monthly</td>
</tr>
<tr>
<td>Board of Trustees: Property &amp; Facilities Committee</td>
<td>15 Feb 2021</td>
</tr>
<tr>
<td>Buggy Alumni Association</td>
<td>16 Feb 2022</td>
</tr>
<tr>
<td>Center for Shared Prosperity Reading Group</td>
<td>9 Feb 2022</td>
</tr>
<tr>
<td>CMU Campus Police</td>
<td>29 Jun 2021, 1 Nov 2021</td>
</tr>
<tr>
<td>Counseling &amp; Psychological Services</td>
<td>9 May 2021</td>
</tr>
<tr>
<td>Dean’s Council</td>
<td>2 Mar 2021</td>
</tr>
<tr>
<td>Design Review Committee</td>
<td>27 Jan 2021, 25 Aug 2021</td>
</tr>
<tr>
<td>DOSA Leadership</td>
<td>10 Mar 2021</td>
</tr>
<tr>
<td>Emergency Risk Management</td>
<td>26 Mar 2021, 16 Jul 2021</td>
</tr>
<tr>
<td>Facilities Management IT Group</td>
<td>9 Jun 2021</td>
</tr>
<tr>
<td>Facility Coordinator</td>
<td>13 May 2021</td>
</tr>
<tr>
<td>Faculty Senate</td>
<td>6 Apr 2021</td>
</tr>
<tr>
<td>Faculty Senate Executive Committee</td>
<td>16 Mar 2021, 20 Oct 2021</td>
</tr>
<tr>
<td>Global Goals Committee</td>
<td>2 Jun 2021</td>
</tr>
<tr>
<td>Graduate Student Assembly</td>
<td>1 Sep 2021</td>
</tr>
<tr>
<td>Greek Students Coalition</td>
<td>2 Dec 2020</td>
</tr>
<tr>
<td>Green Practices Committee</td>
<td>24 May 2021</td>
</tr>
<tr>
<td>Human Resource</td>
<td>29 Mar 2022</td>
</tr>
<tr>
<td>ISR Faculty</td>
<td>08 Feb 2022</td>
</tr>
<tr>
<td>Office of International Education</td>
<td>15 Apr 2021</td>
</tr>
<tr>
<td>Parking &amp; Transportation Committee</td>
<td>21 Apr 2021, 20 Oct 2021</td>
</tr>
<tr>
<td>President &amp; Provost</td>
<td>8 Feb 2021, 23 Apr 2021</td>
</tr>
<tr>
<td>School of Architecture</td>
<td>20 Apr 2022</td>
</tr>
<tr>
<td>Staff Council</td>
<td>18 Mar 2021, 18 Nov 2021, 20 Jan 2022</td>
</tr>
<tr>
<td>Student Affairs Leadership Forum</td>
<td>10 Mar 2021, 10 Nov 2021</td>
</tr>
<tr>
<td>ULSAC</td>
<td>8 Mar 2021, 26 Oct 2021</td>
</tr>
<tr>
<td>Undergraduate Student Senate</td>
<td>8 Apr 2021</td>
</tr>
<tr>
<td>University Communications &amp; Marketing</td>
<td>3 Mar 2022</td>
</tr>
<tr>
<td>University Town Hall</td>
<td>29 Apr 2021, 28 Apr 2022</td>
</tr>
<tr>
<td>USAC</td>
<td>9 Mar 2021, 19 Oct 2021</td>
</tr>
<tr>
<td>Waste Management Team</td>
<td>15 Sep 2021</td>
</tr>
</tbody>
</table>

## City Meetings

<table>
<thead>
<tr>
<th>City Meeting</th>
<th>Date(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>City Council: Erika Strassburger</td>
<td>21 Jan 2021, 30 Sep 2021</td>
</tr>
<tr>
<td>City Council: Corey O’Connor</td>
<td>22 Feb 2021</td>
</tr>
<tr>
<td>City of Pittsburgh: Forestry, Public Works</td>
<td>8 Jul 2021</td>
</tr>
<tr>
<td>City of Pittsburgh: Resilience</td>
<td>19 Aug 2021</td>
</tr>
<tr>
<td>DCP: Neighborhood Planners</td>
<td>14 Jul 2021</td>
</tr>
<tr>
<td>DCP: Stormwater, Tree Canopy, Open Space</td>
<td>29 Jul 2021</td>
</tr>
<tr>
<td>DCP: DOMI</td>
<td>10 Mar 2021</td>
</tr>
<tr>
<td>DOMI, Port Authority</td>
<td>11 Mar 2021, 16 Jul 2021</td>
</tr>
<tr>
<td>GBA, DCP: Sustainability</td>
<td>28 Jun 2021, 7 Oct 2021</td>
</tr>
<tr>
<td>Performance Targets Meeting 1</td>
<td>6 Jul 2021, 21 Jul 2021</td>
</tr>
<tr>
<td>Performance Targets Meeting 2</td>
<td>30 May 2021</td>
</tr>
<tr>
<td>Performance Targets Meeting 3</td>
<td>30 Aug 2021</td>
</tr>
<tr>
<td>Performances Targets Meeting 3</td>
<td>17 Nov 2021</td>
</tr>
<tr>
<td>Pittsburgh Water and Sewer Authority</td>
<td>24 Aug 2021</td>
</tr>
</tbody>
</table>
APPENDIX B

Letter of Support: Oakland Task Force

April 15, 2022

Re: Carnegie Mellon University Institutional Master Plan

To City of Pittsburgh Boards and Commissions:

On behalf of the Oakland Task Force (OTF), I write in support of Carnegie Mellon University’s Institutional Master Plan.

The Oakland Task Force (OTF) is an information organization of Oakland area institutions and organizations that meets monthly to exchange information and review projects proposed for the Oakland neighborhood. OTF represents a partnership among Oakland institutions, businesses, community groups, and public agencies.

Our focus is to work through collaboration and coordination to address Oakland-area issues. The OTF has consistently played a leading role in the implementation of projects that have enhanced Oakland and the role it plays as the region’s economic driver.

Carnegie Mellon University has kept the Oakland Task Force engaged throughout the entire planning and public engagement process and the new IMP will be an asset to the Oakland community while providing many new services and spaces to the CMU community.

Therefore, we support the Carnegie Mellon University Institutional Master Plan and all that it will bring to encourage the growth of our Oakland community for the wide range of educational, medical, and cultural amenities the area has to offer.

Sincerely,

Jamilah Ducar

On Behalf of the Oakland Task Force

APPENDIX B

Letter of Support: Bellefield Area Citizens Association
APPENDIX B

Letter of Support: Oakland Planning and Development Corporation

APPENDIX B

Letter of Support: Pittsburgh Parks Conservancy
APPENDIX B

Letter of Support: Squirrel Hill Urban Coalition

APPENDIX B

Letter of Support: Shadyside Action Coalition
APPENDIX B

Letter of Support: Oakland Business Improvement District

APPENDIX B

Letter of Support: Central Catholic
APPENDIX B

Letter of Support: Carnegie Museum

Letter of Support: Carnegie Library of Pittsburgh - Main (Oakland)
APPENDIX C

Simonds Principles

Purpose & Scope

The Simonds Commission will serve from April 2012 to October 2012, working to further elaborate on the high-level planning and design issues for future development north and west of the main campus. The Commission will have as its foundation the 2012 Master Plan, and will work in tandem with the Campus Design Working Group. The product of the Commission’s work will serve as the guidelines for future development in this critical area of expansion for the university.

Report Preamble

Carnegie Mellon University has emerged as one of the great success stories in American higher education over the last fifty years. The evolution of the university from a strong, regional institution to pre-eminent global university is without parallel. Founded by Andrew Carnegie for the sons and daughters of steel workers, the university now educates great minds throughout the world in an array of disciplines, led by our exceptional faculty. Throughout, we have maintained a lean and pragmatic ethos, solving real-world problems through hard work, collaboration, interdisciplinary engagement, and an entrepreneurial spirit that is the envy of even our most elite peer institutions. The built environment at the institution reflects these very core values, intended to create spaces that allow for our greatest engagement in research, learning, service, and community. In addition, our aesthetic ethos is critical to the look and feel of the campus. As we continue to grow, and notably as we move beyond the footprint of the main campus into adjacent communities, the breadth and depth of considerations in any new built or open space is especially critical. The Simonds Commission was empaneled in 2012 to develop guiding principles that will ensure that new projects, while remaining true to their immediate purpose, are a constructive and contributive part to the larger whole that is the Carnegie Mellon University footprint and influence. These principles each have their own discrete and pragmatic objectives. As a collective, they help to translate our deeply held core values into the entirety of our built environment and adjacent spaces.

Architecture Principle

Building and landscape design should be innovative and reflect the culture, history, and sensibilities of the university and the distinct place it holds in the city, region, nation, and world. Interior and exterior space design must facilitate student, faculty, and staff activities and interactions; increase connectivity with internal and external communities; and enhance the life of the campus. To this end, consistent urban and campus design leadership should be provided across architectural projects. Design teams should respond to the existing and emerging needs of academic and research programs, respecting and interpreting the historic Carnegie Mellon architecture in massing, materials, and design in a contemporary manner. All projects should be firmly rooted in the Sustainability principle and in an understanding of technological advancements that will influence academic and interpersonal engagement.

Designs of individual buildings within a campus district (e.g., North Quad, Historic Core, East Campus) should complement one another, creating a cohesive and consistent campus neighborhood. Projects within the university’s surrounding neighborhoods (e.g., Forbes-Craig) should respond to their urban contexts, as described in the Neighborhood Compatibility principle. Landscape design should be integral to all projects, consistent with the Open Space principle.

Process Note: The Board of Trustees Property and Facilities Committee, the Design Review Committee, and professionals in Campus Design and Facility Development (CDFD) will assure that planning and design processes significantly engage campus stakeholders and building “owners” from start to finish. Additionally, the committees and CFD&D will steward this principle and the application of it within the context of new construction and major renovation projects.

Safety and Security Principle

Design standards and guidelines should embrace the university’s overarching values of openness, engagement, collaboration, and community while promoting the safety and security of building occupants and campus and non-campus community members using or visiting buildings. Beyond the standard attention paid to safety and security systems in buildings, thoughtful consideration of a building’s purpose, use, and internal and external environments, and consideration of all potential users should inform choices regarding access control; layout and interior design; landscape and external lighting design; and pedestrian, vehicular, and emergency access and circulation.

Approved by the Commission on February 6, 2013

Approved by the Commission on September 23, 2012
APPENDIX C

Simonds Principles

Sustainability Principle

Highest-level environmental sensibilities should be integral to the design, construction, and management of all built and open spaces, consistent with the university’s international standing in sustainable and green practices and cutting-edge systems and technologies, with particular emphasis on energy and water efficiency, the life cycle of materials, biodiversity, storm water management, and transportation management.

✓ Approved by the Commission on August 25, 2012

Mixed-Use Principle

The university’s broad vision for our community is enhanced by the depth of educational, cultural, social and recreational, and economic connections with adjacent communities. In high public access areas—“streetfronts,” sidewalks, major internal and external pedestrian arteries—visibility and easy access to commercial, institutional, and cultural activity should be most prominent, with residential, administrative, academic, and research uses “above and behind.” An energized mixed-use environment encourages an appreciation for divergent activities, through visual and aural stimuli, while managing the inherent conflict of potentially contradictory uses. For locations internal to campus, applications of the mixed-use paradigm should be used in context where appropriate.

✓ Approved by the Commission on November 16, 2012

Neighborhood Compatibility Principle

Carnegie Mellon University is an asset to the region, with its internationally renowned educational programs, leading-edge research and technology transfer, cultural programs, and community service; and the vitality of the region is an essential component of our institutional vision. We recognize that our success is interconnected with that of our neighbors—local non-profit institutions, business owners, government, and residential communities—and is supported by convivial and collaborative relationships with them. To further our collective vitality, urban design principles must be embraced to ensure complementarity of the neighborhoods and the campus in both the built environment and open spaces. Sustained collaboration will contribute to maintaining a viable blend of functions, leveraging our shared highest-order vision, while strengthening the core focus of each community partner.

Process Note: Consistent with the principles of Mixed Use and Neighborhood Compatibility, the university must continue to maintain strong ongoing relationships with all adjacent neighborhood groups in order to ensure that potential concerns (e.g., lighting, noise, activity, or operations) are addressed in the design process and in ongoing use in a transparent, timely, and sustained manner.

✓ Approved by the Commission on September 22, 2012

Edges, Entrances, and Their Connections Principle

Carnegie Mellon’s edges and entrances should be perceptible and facilitate a sense of arrival and place. Architecture and landscape, rather than signage alone, should allow for subtle yet iconic demarcations to define campus boundaries. Edges and entrances should be porous, facilitating visual and pedestrian connectivity and emphasizing the university’s relationship to its neighborhoods.

Process Note: The quality of material selection, construction, and site maintenance are critical to the university’s ability to demarcate these areas.

✓ Approved by the Commission on November 16, 2013
APPENDIX C

Simonds Principles

Open Space Principle

Open spaces should communicate the university's values, increase its connectivity within the campus and to adjacent areas, and enhance its cultural life—including offering opportunities for individual reflection, casual conversation, recreation, and academic and student life activities. As such, landscape projects should be designed in concert with building projects; designated as specific program elements (including wayfinding, gateway, and connections needs of the campus); and carefully designed, constructed, and maintained.

Process Note: Particular priority should be given to the landscape along Forbes Avenue as the centerpiece of the campus and critical component of greening the university’s campus.

Approved by the Commission on November 16, 2012

Multi-Modal Transportation Principle

Buildings, site plans, and open spaces must be designed with appropriate consideration for all vehicular (e.g., bicycle, bus, car, delivery truck, motorcycle, shuttle) and pedestrian (including personal mobility vehicles) flows, promoting a safe, accessible, and communal transportation infrastructure. Consistent with a well-designed and well-managed university transportation management plan, new building projects should promote campus and community circulation and engagement, connect campus and non-campus entities, and promote and develop innovative transportation modalities. Where possible, pedestrian, bicycle, and public transit pathways should take precedence, while accommodating transportation, parking, and wayfinding needs of visitors and guests.

Approved by the Commission on November 16, 2012

Public Art Principle

Art in public spaces has been integral to the design of interior and exterior spaces on the Carnegie Mellon campus—from the frescoes and niches of the College of Fine Arts, to the mural and high-relief and hand-crafted tiles of the University Center, to the Pausch Bridge connecting the Gates and Hillman Centers with the Purnell Center. Public art, whether situated inside or outside a building, should be incorporated into all new building projects and major renovations. It should serve to engage community members and enhance the use of public spaces, invigorate otherwise unremarkable areas, provide opportunities for temporary display of student art, and reflect the innovative and diverse cultures of the university and the region.

Process Note 1: A public art plan must be included in all new building designs and implementations, ideally with a specific articulated project cost and intentional collaboration between the selected architect and relevant parties. By existing policy, public art must be approved via the Public Art Process and Committee, and building owners must assure that the design plan includes resources for maintaining the collection.

Process Note 2: The Simonds Commission recommends the creation of a university committee composed of members of the Board of Trustees Property and Facilities Committee, the Public Art Committee, and Campus Design and Facility Development staff to establish and promote the importance of and interest in public art across the campus.

Approved by the Commission on February 6, 2013

Universal Design Principle

Access to and use of all facilities and open spaces should be maintained for all potential users, consistent with universal design principles, relevant law (e.g., 2010 ADA Code), and the university’s commitment to an open and inclusive community.

Approved by the Commission on August 25, 2012

For more information, visit https://www.cmu.edu/cdfj/planning-and-design/simonds-principles/index.html
Population Trends

Population and space trends - Pittsburgh location only
Net assignable square footage includes owned and leased space
Fall 2000 to Fall 2019

Student Population - Pittsburgh Location Only

Employee Population - Pittsburgh Campus Only

Population Trend by Category - Pittsburgh Location Only
APPENDIX D

Population Trends

Total Population By College - Pittsburgh Location Only
Fall 2000 - 2019

CMU Campuses
A Pittsburgh, USA
B Adelaide, Australia
C Doha, Qatar
D Kigali, Rwanda
E Los Angeles, USA
F New York, USA
G Silicon Valley, USA

CMU Partner Programs
1 Washington, USA
2 Monterrey, Mexico
3 Porto, Portugal
4 Lisbon, Portugal
5 Plymouth, UK
6 Bologna, Italy
7 Ankara, Turkey
8 Thailand
9 Singapore
10 Jiangsu, China
11 Kobe, Japan

APPENDIX D

Global Presence
Building Name | Building Abbrev | Building Address | Major Use | Year Opened | Year Acquired | Architect/Planner | Sq Feet | Levels | Architectural Materials & Color | Building Materials & Color | Architectural Style | Major Entrances | LEED Certification | Certification Systems | Other Notes |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Porter Hall</td>
<td>PH</td>
<td>4815 Frew St, The Mall</td>
<td>Academic</td>
<td>1905</td>
<td>-</td>
<td>Hornbostel &amp; Palmer</td>
<td>135,000</td>
<td>3-4</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Grew St, The Mall</td>
<td>Silver CI 2.0 2020 (Classrooms)</td>
<td>Central steam &amp; chilled water</td>
<td>1950 addition(10,000sf), first campus building</td>
</tr>
<tr>
<td>Doherty Hall</td>
<td>DH</td>
<td>281 Hamerschlag Dr</td>
<td>Academic</td>
<td>1908 -</td>
<td>Horbostel &amp; Palmer</td>
<td>290,000</td>
<td>6-4</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>The Cut</td>
<td>Silver CI 2.0 &amp; PC 3.0 2010, 2015</td>
<td>Central steam &amp; chilled water</td>
<td>1959 addition(25,000sf), 2000 addition(45,000sf)</td>
<td></td>
</tr>
<tr>
<td>Hamerschlag Hall</td>
<td>HH</td>
<td>425 Hamerschlag Dr</td>
<td>Academic</td>
<td>1912 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>117,000</td>
<td>6-4</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Grew St, The Mall</td>
<td>Gold CI 3.0 2019 (Maker Wing)</td>
<td>Central steam &amp; chilled water</td>
<td>2000 addition(24,000sf), Quadrant 2 sloping floor</td>
<td></td>
</tr>
<tr>
<td>Baker Hall</td>
<td>BH</td>
<td>4825 Frew St</td>
<td>Academic</td>
<td>1912 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>144,000</td>
<td>4+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>The Mall</td>
<td>Central steam &amp; chilled water</td>
<td>1950 addition, Great Hall of CFA, Nicholas, Knaus Theatre</td>
<td></td>
<td></td>
</tr>
<tr>
<td>College of Fine Arts</td>
<td>CFA</td>
<td>4919 Frew St</td>
<td>Academic</td>
<td>1912 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>125,000</td>
<td>3+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>The Mall</td>
<td>Central steam &amp; chilled water</td>
<td>1950 addition, Great Hall of CFA, Nicholas, Knaus Theatre</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Margaret Morrison Carnegie Hall</td>
<td>MM</td>
<td>5001 Margaret Morrison St</td>
<td>Academic</td>
<td>1913</td>
<td>-</td>
<td>Hornbostel &amp; Palmer</td>
<td>117,000</td>
<td>3+4</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison St, EW Walkway</td>
<td>Central steam &amp; chilled water</td>
<td>1950 addition(117,000sf), rotunda, Intelligent Workplace</td>
<td></td>
</tr>
<tr>
<td>Hubbles Hall</td>
<td>HBB</td>
<td>1800 Forbes Ave</td>
<td>Academic</td>
<td>1915 - 1984</td>
<td>Hornbostel &amp; Palmer</td>
<td>108,000</td>
<td>4+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison Ave</td>
<td>Central steam</td>
<td>1950 addition(108,000sf), adaptive reuse of US Bureau of Affairs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>McGill House</td>
<td>MCG</td>
<td>5126 Margaret Morrison St</td>
<td>Housing</td>
<td>1915 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>14,000</td>
<td>3+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison Ave</td>
<td>Central steam</td>
<td>Stacked dormitory, fully connected to adjacent buildings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boyce House</td>
<td>BO</td>
<td>5126 Margaret Morrison St</td>
<td>Housing</td>
<td>1915 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>14,000</td>
<td>3+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison Ave</td>
<td>Central steam</td>
<td>Stacked dormitory, fully connected to adjacent buildings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Henderson House</td>
<td>HEN</td>
<td>5119 Skibo Dr</td>
<td>Housing</td>
<td>1918 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>13,000</td>
<td>3+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison Ave</td>
<td>Central steam</td>
<td>Stacked dormitory, fully connected to adjacent buildings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Welch House</td>
<td>WEL</td>
<td>5110 Skibo Dr</td>
<td>Housing</td>
<td>1918 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>12,650</td>
<td>3+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison Ave</td>
<td>Central steam</td>
<td>Stacked dormitory, fully connected to adjacent buildings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scobell House</td>
<td>SCO</td>
<td>5120 Margaret Morrison St</td>
<td>Housing</td>
<td>1918 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>12,750</td>
<td>3+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison St</td>
<td>Central steam</td>
<td>Stacked dormitory, fully connected to adjacent buildings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4725 Fifth Ave</td>
<td>4725/FIFTHY</td>
<td>4725 Fifth Ave</td>
<td>Housing</td>
<td>1918 - 2012</td>
<td>Unknown</td>
<td>22,000</td>
<td>3+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Fifth Ave</td>
<td>Gold NC 3.0 2010</td>
<td>Gas &amp; air cooled</td>
<td>2013 full renovation, formerly Winchester Thurston School</td>
<td></td>
</tr>
<tr>
<td>Mudge House</td>
<td>MUDG</td>
<td>1000 Morewood Ave</td>
<td>Housing</td>
<td>1922 - 1957</td>
<td>Henry D Gilchrist</td>
<td>67,000</td>
<td>3+1</td>
<td>Modern Classical</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Morewood Ave</td>
<td>Central steam &amp; split cooled</td>
<td>1965 C Wing addition &amp; shared chiller</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skibo Gym</td>
<td>GYM</td>
<td>100 Tech St</td>
<td>Athletic</td>
<td>1924 -</td>
<td>Hornbostel &amp; Palmer</td>
<td>63,350</td>
<td>3+1</td>
<td>Contemporary Arts</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Tech St</td>
<td>Central steam</td>
<td>2021 major renovation &amp; addition, south gym to remain</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neville Apartments</td>
<td>NVL</td>
<td>617 N Neville St</td>
<td>Housing</td>
<td>1925 - 2019</td>
<td>Unknown</td>
<td>8,850</td>
<td>2+1</td>
<td>Contemporary Arts</td>
<td>Commercial Craftsmen</td>
<td>Modernist</td>
<td>Neville St</td>
<td>Gas</td>
<td>2020 full renovation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rosalawn Terrace 1-3-5-7</td>
<td>1-7 RT</td>
<td>1 Rosalawn Terrace</td>
<td>Residential</td>
<td>1930 - 1967/1988</td>
<td>Unknown</td>
<td>6,400</td>
<td>2+1</td>
<td>Contemporary Arts</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Rosalawn Dr</td>
<td>Gas &amp; forced air</td>
<td>2010 renovation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rosalawn Terrace 2-4-6</td>
<td>2-8 RT</td>
<td>10 Rosalawn Terrace</td>
<td>Residential</td>
<td>1930 - 1967/1988</td>
<td>Unknown</td>
<td>6,500</td>
<td>2+1</td>
<td>Contemporary Arts</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Rosalawn Dr</td>
<td>Gas &amp; forced air</td>
<td>2010 renovation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rosalawn Terrace 10-12-14</td>
<td>10-16 RT</td>
<td>28 Rosalawn Terrace</td>
<td>Residential</td>
<td>1930 - 1967/1988</td>
<td>Unknown</td>
<td>6,400</td>
<td>2+1</td>
<td>Contemporary Arts</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Rosalawn Dr</td>
<td>Gas &amp; forced air</td>
<td>2010 renovation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Morewood Gardens A-D</td>
<td>MG</td>
<td>1080 Morewood Ave</td>
<td>Housing</td>
<td>1927 - 1946</td>
<td>Farrar, Marks &amp; Kann</td>
<td>135,200</td>
<td>7+2</td>
<td>Modernist</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Morewood Ave</td>
<td>Central steam &amp; chilled water</td>
<td>2018-19 full building system upgrades</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Morewood Gardens E</td>
<td>MGE</td>
<td>4921 Forbes Ave</td>
<td>Housing</td>
<td>1960</td>
<td>Alfred Reid &amp; Associates</td>
<td>59,400</td>
<td>7+1</td>
<td>Modernist</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Forbes Ave</td>
<td>Central steam</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300 S Craig St</td>
<td>SCSG</td>
<td>300 S Craig St</td>
<td>Academic/ Research</td>
<td>1935 - 2005</td>
<td>Unknown</td>
<td>85,400</td>
<td>5+1</td>
<td>Modernist</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>S Craig St</td>
<td>Silver NC 3.0 2010</td>
<td>Gas &amp; air cooled</td>
<td>2016 full renovation, House campus police, ground floor retail</td>
<td></td>
</tr>
<tr>
<td>Mellon Institute</td>
<td>MI</td>
<td>4400 Fifth Ave</td>
<td>Academic</td>
<td>1937 - 1967</td>
<td>Janssen &amp; Cocken</td>
<td>357,000</td>
<td>6+2</td>
<td>Modernist</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Forbes Ave &amp; 5th Ave, Buhl Hall</td>
<td>Central steam &amp; chilled water</td>
<td>2016-17 adaptive reuse, ground level (Maker Wing)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smith Hall (US Bureau of Mines)</td>
<td>ESDH</td>
<td>4802 Forbes Ave</td>
<td>Academic</td>
<td>1939 - 1984</td>
<td>Lawrence &amp; Anthony Wolfe</td>
<td>22,000</td>
<td>2</td>
<td>Industrial Beaux Arts</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>West Quad</td>
<td>Central steam &amp; chilled water</td>
<td>2022 renovation, Buhl Hall addition, 2022-2023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hall of Arts</td>
<td>HAA</td>
<td>121 Tech St</td>
<td>Academic</td>
<td>1952</td>
<td>Matlter &amp; Johnstone</td>
<td>53,000</td>
<td>1+3</td>
<td>Modernist</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Tech St, Peace Gardens</td>
<td>Central steam &amp; chilled water</td>
<td>2011 addition(8,000sf), 2020 full renovation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donner House</td>
<td>DO</td>
<td>5115 Margaret Morrison St</td>
<td>Housing</td>
<td>1954 -</td>
<td>Mitchell &amp; Richey</td>
<td>51,500</td>
<td>2+3</td>
<td>Modernist</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Margaret Morrison Ave</td>
<td>Central steam</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Undergraduate Quad (4 structures)</td>
<td>GQ</td>
<td>5033 Forbes Ave</td>
<td>Housing</td>
<td>1956</td>
<td>Lawrence &amp; Anthony Wolfe</td>
<td>80,000</td>
<td>3</td>
<td>Modernist</td>
<td>Craftsmen</td>
<td>Modernist</td>
<td>Forbes Ave, Morewood Ave</td>
<td>Central steam &amp; forced air</td>
<td>2018 full renovation, student residence</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spirit House</td>
<td>SH</td>
<td>5170MM</td>
<td>Housing</td>
<td>1959 - 1967</td>
<td>Unknown</td>
<td>2,950</td>
<td>2.5</td>
<td>Craftsmen</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison Ave</td>
<td>Central steam &amp; chilled water</td>
<td>2016 partial building renovation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woodlawn Apartments</td>
<td>WO</td>
<td>5176 Margaret Morrison St</td>
<td>Housing</td>
<td>1959 - 1967</td>
<td>Unknown</td>
<td>11,300</td>
<td>3+1</td>
<td>Craftsmen</td>
<td>Industrial Beaux Arts</td>
<td>Modernist</td>
<td>Margaret Morrison Ave</td>
<td>Central steam &amp; chilled water</td>
<td>2018 partial building renovation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 2022 Building Inventory

<table>
<thead>
<tr>
<th>Building Name</th>
<th>Building Abbrev</th>
<th>Building Address</th>
<th>Major Use</th>
<th>Year Opened</th>
<th>Year Acquired</th>
<th>Architect/Planner</th>
<th>Sq Feet</th>
<th>Levels</th>
<th>Architectural Style</th>
<th>Building Materials &amp; Color</th>
<th>Major Entrances</th>
<th>LEED Certification</th>
<th>Systems</th>
<th>Other Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamerschlag House</td>
<td>HA</td>
<td>5130 Margaret Morrison St</td>
<td>Housing</td>
<td>1960</td>
<td>-</td>
<td>Calli-Flynn</td>
<td>31,200</td>
<td>3+1</td>
<td>International Modernism</td>
<td>light tan brick, exposed concrete, flat roof</td>
<td>Margaret Morrison Ave</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>Hunt Library</td>
<td>HL</td>
<td>4909 Frey St</td>
<td>Academic</td>
<td>1961</td>
<td>-</td>
<td>Lawrie &amp; Green</td>
<td>101,530</td>
<td>6+2</td>
<td>International Modernism</td>
<td>light grey aluminum and glass, flat and hipped roof</td>
<td>The Cut</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>2019 partial renovation</td>
</tr>
<tr>
<td>Warner Hall</td>
<td>WH</td>
<td>5000 Forbes Ave</td>
<td>Admin</td>
<td>1966</td>
<td>-</td>
<td>Charles Luckman Associates</td>
<td>44,600</td>
<td>6+2</td>
<td>Modern</td>
<td>White and dark grey glass, travertine columns, flat roof</td>
<td>The Cut</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>4165 Forbes Ave</td>
<td>4165FRBS</td>
<td>4165 Forbes Ave</td>
<td>Admin</td>
<td>1968</td>
<td>2009</td>
<td>WTW Architects</td>
<td>40,950</td>
<td>4</td>
<td>Brutalism</td>
<td>White cast in place concrete, flat roof</td>
<td>Forbes Ave</td>
<td>-</td>
<td>Gas &amp; split system</td>
<td>-</td>
</tr>
<tr>
<td>Upper Greek Quad (2 structures)</td>
<td>UGQ</td>
<td>1057-67 Morewood Ave</td>
<td>Housing</td>
<td>1969</td>
<td>-</td>
<td>Curry &amp; Martin</td>
<td>45,000</td>
<td>3</td>
<td>International Modernism</td>
<td>Red brick, pitched flat roof</td>
<td>Morewood Ave</td>
<td>-</td>
<td>Central steam &amp; forced air</td>
<td>-</td>
</tr>
<tr>
<td>Wean Hall</td>
<td>WEH</td>
<td>311 Hamerschlag Dr</td>
<td>Academic</td>
<td>1971</td>
<td>-</td>
<td>Deeter Richey Sipple</td>
<td>295,000</td>
<td>4+5</td>
<td>Brutalism</td>
<td>Tan cast in place concrete, flat roof</td>
<td>The Mall</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>Shirley Apartments</td>
<td>SHIR</td>
<td>133 N Dithridge St</td>
<td>Housing</td>
<td>1930</td>
<td>1984</td>
<td>Unknown</td>
<td>16,200</td>
<td>3+1</td>
<td>Art Deco</td>
<td>Red brick, flat roof</td>
<td>North Dithridge St</td>
<td>-</td>
<td>Gas</td>
<td>1985 renovation, not in EMS</td>
</tr>
<tr>
<td>Cyert Hall</td>
<td>CYH</td>
<td>4910 Forbes Ave</td>
<td>Admin</td>
<td>1983</td>
<td>-</td>
<td>Deeter Richey Sipple</td>
<td>64,000</td>
<td>3</td>
<td>Past Modernism</td>
<td>Drak grey glass and metal, brick base, flat roof</td>
<td>Forbes Ave</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>Margaret Morrison Apartments (A)</td>
<td><em>MGMA</em></td>
<td>5148 Skibo Dr</td>
<td>Housing</td>
<td>1984</td>
<td>-</td>
<td>Damianos &amp; Pedone</td>
<td>16,000</td>
<td>2+1</td>
<td>Past Modernism</td>
<td>Red brick, flat roof</td>
<td>Margaret Morrison Ave</td>
<td>-</td>
<td>Central steam</td>
<td>-</td>
</tr>
<tr>
<td>Margaret Morrison Apartments (B)</td>
<td><em>MGMB</em></td>
<td>5142 Skibo Dr</td>
<td>Housing</td>
<td>1984</td>
<td>-</td>
<td>Damianos &amp; Pedone</td>
<td>6,500</td>
<td>2</td>
<td>Post Modernism</td>
<td>Red brick, flat roof</td>
<td>Margaret Morrison Ave</td>
<td>-</td>
<td>Gas-fired HPV</td>
<td>-</td>
</tr>
<tr>
<td>Margaret Morrison Apartments (C/Plaza)</td>
<td><em>MGMC/MP</em></td>
<td>5147 Skibo Dr</td>
<td>Housing</td>
<td>1984</td>
<td>-</td>
<td>Damianos &amp; Pedone</td>
<td>13,000</td>
<td>3</td>
<td>Past Modernism</td>
<td>Red brick, flat roof</td>
<td>Margaret Morrison Ave</td>
<td>-</td>
<td>Gas-fired HPV</td>
<td>-</td>
</tr>
<tr>
<td>4166 Henry St</td>
<td>4166HNRY</td>
<td>4166 Henry St</td>
<td>Housing</td>
<td>1985</td>
<td>2006</td>
<td>Damianos &amp; Pedone</td>
<td>25,250</td>
<td>2+1</td>
<td>Past Modernism</td>
<td>White stucco on cast in place concrete, flat roof</td>
<td>Henry St</td>
<td>-</td>
<td>Forced air</td>
<td>2014 full renovation</td>
</tr>
<tr>
<td>Residence on Fifth</td>
<td>4700FIFTH</td>
<td>4700 Fifth Ave</td>
<td>Housing</td>
<td>1986</td>
<td>2010</td>
<td>Tasso Kattelas Associates</td>
<td>65,000</td>
<td>6+1</td>
<td>Past Modernism</td>
<td>Red brick, concrete, flat roof</td>
<td>Fifth Ave</td>
<td>-</td>
<td>Gas &amp; air cooled</td>
<td>2010 full renovation</td>
</tr>
<tr>
<td>Software Engineering Institute</td>
<td>SEI</td>
<td>4000 Fifth Ave</td>
<td>Research</td>
<td>1987</td>
<td>2006</td>
<td>Bohlin Powell Larkin Cysinski</td>
<td>129,000</td>
<td>3+70 spaces</td>
<td>Past Modernism</td>
<td>Light tan precast concrete base, blue/grey metal and glass, flat roof</td>
<td>Fifth Ave</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>FMS Building</td>
<td>FMSB</td>
<td>235 Hamerschlag Dr</td>
<td>Admin</td>
<td>1988</td>
<td>-</td>
<td>Iken Associates</td>
<td>54,550</td>
<td>4</td>
<td>Past Modernism</td>
<td>Tan stucco, hipped roof</td>
<td>Hamerschlag Dr</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>East Campus Garage</td>
<td>ECG</td>
<td>5040 Forbes Ave</td>
<td>Admin</td>
<td>1990</td>
<td>-</td>
<td>Dennis, Clark &amp; Associates</td>
<td>6,400</td>
<td>4</td>
<td>Past Modernism</td>
<td>Light tan brick with precast concrete and metal, flat roof</td>
<td>Forbes Ave</td>
<td>-</td>
<td>Electric/gas &amp; air cooled</td>
<td>2001 1st level addition</td>
</tr>
<tr>
<td>Reznik and West Wings</td>
<td>RH/WW</td>
<td>5125 Margaret Morrison St</td>
<td>Housing</td>
<td>1990</td>
<td>-</td>
<td>Dennis, Clark &amp; Associates</td>
<td>70,000</td>
<td>4+1</td>
<td>Past Modernism</td>
<td>Light tan brick with white precast concrete and metal, flat and gable roof hybrid</td>
<td>Margaret Morrison Ave</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>2007 addition(6,000sf)</td>
</tr>
<tr>
<td>Pooner Hall</td>
<td>POS</td>
<td>4390 Margaret Morrison St</td>
<td>Academic</td>
<td>1993</td>
<td>-</td>
<td>Kathleen McKinnell Wood</td>
<td>90,000</td>
<td>4</td>
<td>Past Modernism</td>
<td>Light tan brick, 1-story metal with metal brace solei, flat roof</td>
<td>Margaret Morrison Ave</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>2090 addition(20,000sf)</td>
</tr>
<tr>
<td>Cohon University Center</td>
<td>CUC</td>
<td>5034 Forbes Ave</td>
<td>Academic</td>
<td>1996</td>
<td>-</td>
<td>Dennis &amp; Associates / LeDA</td>
<td>68,000</td>
<td>3</td>
<td>Past Modernism</td>
<td>Grey 3-story brick with light tan precast details, flat and low-sloped mansard roof</td>
<td>Forbes Ave</td>
<td>Silver NC 3.0 2018</td>
<td>Central steam &amp; chilled water</td>
<td>2016 addition(68,000sf)</td>
</tr>
<tr>
<td>Roberts Engineering Building</td>
<td>REH</td>
<td>364 Hamerschlag Dr</td>
<td>Admin</td>
<td>1997</td>
<td>-</td>
<td>Payette Associates</td>
<td>65,000</td>
<td>5+1</td>
<td>Past Modernism</td>
<td>White cast in place concrete, flat roof</td>
<td>Hamerschlag Dr</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>Replica of the Flow of the USS Pittsburgh</td>
</tr>
<tr>
<td>Newell Simon Hall</td>
<td>NSH</td>
<td>4084 Forbes Ave</td>
<td>Admin</td>
<td>1999</td>
<td>-</td>
<td>WTW Architects</td>
<td>155,000</td>
<td>2+4</td>
<td>Past Modernism</td>
<td>Steel brick, cross-hipped roof</td>
<td>Forbes Ave</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>Purnell Center for the Arts</td>
<td>PCA</td>
<td>5004 Forbes Ave</td>
<td>Academic</td>
<td>2000</td>
<td>-</td>
<td>IOP Associates / Dennis &amp; Assoc.</td>
<td>105,000</td>
<td>3+1</td>
<td>Past Modernism</td>
<td>Light tan brick with precast concrete, zinc fly space, flat and gable roof hybrid</td>
<td>Forbes Ave</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>Stever House</td>
<td>1010MWD</td>
<td>1010 Morewood Ave</td>
<td>housing</td>
<td>2002</td>
<td>-</td>
<td>Bohlin Cinyarski Jackson</td>
<td>63,000</td>
<td>5</td>
<td>Past Modernism</td>
<td>Upper floors: red brick with precast accents, first floor: precast, flat roof</td>
<td>Morewood Ave</td>
<td>Silver NC 2.0 2018</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>R Mehrabian Collaborative Innovation Center</td>
<td>CRC</td>
<td>4720 Forbes Ave</td>
<td>Research</td>
<td>2003</td>
<td>2015</td>
<td>Davis Gannon Gardner Pope</td>
<td>135,000</td>
<td>2+26 spaces</td>
<td>Contemporary</td>
<td>Bronze 3-story facade on concrete garage podium with glass curtain wall, flat roof</td>
<td>Forbes Ave</td>
<td>Gold CS 1.0 2005</td>
<td>Electric &amp; air cooled</td>
<td>-</td>
</tr>
<tr>
<td>Pooner Center</td>
<td>POSCTR</td>
<td>4945 Margaret Morrison St</td>
<td>Admin</td>
<td>2004</td>
<td>-</td>
<td>WTW Architects</td>
<td>8,000</td>
<td>1</td>
<td>Contemporary</td>
<td>Grey stone, flat green roof</td>
<td>Margaret Morrison Ave</td>
<td>-</td>
<td>Central steam &amp; chilled water</td>
<td>Hasen’s University’s new book collection</td>
</tr>
<tr>
<td>Gates and Hillman Centers</td>
<td>GHC</td>
<td>4902 Forbes Ave</td>
<td>Academic</td>
<td>2009</td>
<td>-</td>
<td>Mack Scogin Merrill Elam</td>
<td>216,000</td>
<td>150 spaces</td>
<td>Contemporary</td>
<td>Dark grey zinc rainscreen, flat roof</td>
<td>Forbes Ave</td>
<td>Gold NC 2.1 2011</td>
<td>Central steam &amp; chilled water</td>
<td>Purnell Center Connection</td>
</tr>
<tr>
<td>Scott Hall</td>
<td>SCOT</td>
<td>346 Hamerschlag Dr</td>
<td>Academic</td>
<td>2015</td>
<td>-</td>
<td>Office 52 / Stantec</td>
<td>105,000</td>
<td>4</td>
<td>Contemporary</td>
<td>Grey curtain wall on structural legs, flat roof</td>
<td>Hamerschlag Dr</td>
<td>Gold NC 3.0 2017</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
<tr>
<td>5 Neville Facilities Building</td>
<td>5355NEVFB</td>
<td>535 S Neville St</td>
<td>Admin</td>
<td>2015</td>
<td>-</td>
<td>Baker / Klovon Design</td>
<td>8,000</td>
<td>1+15 spaces</td>
<td>Industrial</td>
<td>Grey metal panel support building, pitched roof</td>
<td>South Neville St</td>
<td>-</td>
<td>None</td>
<td>-</td>
</tr>
<tr>
<td>Tupper Building</td>
<td>TEP</td>
<td>4765 Forbes Ave</td>
<td>Academic</td>
<td>2018</td>
<td>-</td>
<td>Moore Ruble Yudell</td>
<td>315,000</td>
<td>4+1</td>
<td>Contemporary</td>
<td>Grey/lan/heige brick, glass bays and atrium, flat roof</td>
<td>Forbes Ave</td>
<td>Gold NC 3.0 2019</td>
<td>Central steam &amp; chilled water</td>
<td>-</td>
</tr>
</tbody>
</table>
## 2022 Building Inventory

<table>
<thead>
<tr>
<th>Building Name</th>
<th>Building Abbrev</th>
<th>Building Address</th>
<th>Major Use</th>
<th>Year Opened</th>
<th>Year Acquired</th>
<th>Architect/Planner</th>
<th>Sq Feet</th>
<th>Levels</th>
<th>Architectural Style</th>
<th>Building Materials &amp; Color</th>
<th>Major Entrances</th>
<th>LEED Certification</th>
<th>Systems</th>
<th>Other Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ansys Hall</td>
<td>ANSYS</td>
<td>431 Hamerslag Dr</td>
<td>Academic</td>
<td>2019</td>
<td>-</td>
<td>Bohlin Cywinski Jackson</td>
<td>36,000</td>
<td>4</td>
<td>Contemporary</td>
<td>Grey/light tan brick structure on top of glass and steel podium, flat roof</td>
<td>Hamerslag Dr</td>
<td>Gold NC 3.0 2020</td>
<td>Central steam &amp; chilled water</td>
<td></td>
</tr>
<tr>
<td>TCS Hall</td>
<td>TCSH</td>
<td>4465 Forbes Ave</td>
<td>Academic</td>
<td>2020</td>
<td>-</td>
<td>Bohlin Cywinski Jackson</td>
<td>75,000</td>
<td>5</td>
<td>Contemporary</td>
<td>Grey brick, steel and glass accents, flat roof</td>
<td>Hamerslag Dr</td>
<td>Gold NC 3.0 2021</td>
<td>Gas &amp; chilled water</td>
<td></td>
</tr>
<tr>
<td>Fifth and Clyde</td>
<td>4735/FITH</td>
<td>4735 Fifth Ave</td>
<td>Housing</td>
<td>2021</td>
<td>-</td>
<td>LTL Architects</td>
<td>58,000</td>
<td>6+1</td>
<td>Contemporary</td>
<td>Grey brick on public facade, metal panels on courtyard, flat roof</td>
<td>Fifth Ave</td>
<td>pending</td>
<td>Gas &amp; chilled water</td>
<td>5,000sf of commons</td>
</tr>
<tr>
<td>Forbes Building</td>
<td>5087/FRBS</td>
<td>5087 Forbes Ave</td>
<td>Housing</td>
<td>2023*</td>
<td>-</td>
<td>Goody Clancy</td>
<td>118,000</td>
<td>4</td>
<td>Contemporary</td>
<td>Grey/light tan brick with glass entry boba, hipped roof</td>
<td>Forbes Ave</td>
<td>pending</td>
<td>Gas &amp; chilled water</td>
<td>7,500sf of market on ground floor</td>
</tr>
<tr>
<td>Scaife Hall</td>
<td>SH</td>
<td>4807 Frew St</td>
<td>Academic</td>
<td>2023*</td>
<td>-</td>
<td>Kieran Timberlake</td>
<td>85,000</td>
<td>4x2</td>
<td>Contemporary</td>
<td>Metal and glass on grey brick base, flat roof</td>
<td>Frew St</td>
<td>pending</td>
<td>Central steam &amp; chilled water</td>
<td></td>
</tr>
<tr>
<td>Heinzman Center for</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health, Wellness and</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Athletics</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RK Mellon Science Building</td>
<td></td>
<td></td>
<td>Academic</td>
<td>2026*</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>407 S Craig St</td>
<td>407SCRG</td>
<td>407 S Craig St</td>
<td>Admin</td>
<td>2005</td>
<td>Unknown</td>
<td></td>
<td>12,000</td>
<td>2</td>
<td>Past Modernism</td>
<td>White stucco facade, flat roof with solar panels</td>
<td>South Craig St</td>
<td>Silver NC 2.1 2007</td>
<td>H2O heat pump &amp; air cooled</td>
<td></td>
</tr>
<tr>
<td>Alumni House</td>
<td>AH</td>
<td>5017 Forbes Ave</td>
<td>Admin</td>
<td>1981</td>
<td>Unknown</td>
<td></td>
<td>8,400</td>
<td>3</td>
<td>Colossal Revival</td>
<td>Red brick, gable roof</td>
<td>Forbes Ave</td>
<td>Central steam &amp; chilled water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bramer House</td>
<td>BRH</td>
<td>1045 Morewood Ave</td>
<td>Admin</td>
<td>1972</td>
<td>Unknown</td>
<td></td>
<td>4,500</td>
<td>2</td>
<td>Rustic</td>
<td>Dark tan stone, hipped roof</td>
<td>Morewood Ave</td>
<td>-</td>
<td>Gas &amp; split DX</td>
<td></td>
</tr>
<tr>
<td>Whitfield Hall</td>
<td>WHIT</td>
<td>142 N Craig St</td>
<td>Admin</td>
<td>1991</td>
<td>Unknown</td>
<td></td>
<td>12,400</td>
<td>2+1</td>
<td>Colonial Revival</td>
<td>Red brick with stone base, double hipped roof</td>
<td>North Craig St</td>
<td>-</td>
<td>Gas-fired steam boiler &amp; split DX</td>
<td></td>
</tr>
<tr>
<td>4609 Winthrop Ave</td>
<td>4609WWNT</td>
<td>4609 Winthrop St</td>
<td>Research</td>
<td>2017</td>
<td>Joel Kranich</td>
<td></td>
<td>1,750</td>
<td>2</td>
<td>Contemporary</td>
<td>Grey brick, white cement panels, flat roof</td>
<td>Winthrop St</td>
<td>Unknown &amp; PTACs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4620 Henry St</td>
<td>4620HNR</td>
<td>4620 Henry St</td>
<td>Research</td>
<td>2017</td>
<td>Joel Kranich</td>
<td></td>
<td>1,150</td>
<td>2</td>
<td>Contemporary</td>
<td>Tan brick, flat roof</td>
<td>Henry St</td>
<td>-</td>
<td>Gas &amp; packaged DX</td>
<td></td>
</tr>
<tr>
<td>Clyde House</td>
<td>624CLYDE</td>
<td>624 Clyde St</td>
<td>Housing</td>
<td>2012</td>
<td>Ayers Saint Gross</td>
<td></td>
<td>8,850</td>
<td>3</td>
<td>Contemporary</td>
<td>Red brick, hipped roof</td>
<td>Clyde St</td>
<td>-</td>
<td>Gas &amp; none</td>
<td>2015 full renovation</td>
</tr>
<tr>
<td>Highlands Apartments</td>
<td>618CLOSYDE</td>
<td>618 Clyde St</td>
<td>Housing</td>
<td>2015</td>
<td>PWWG</td>
<td></td>
<td>14,200</td>
<td>3</td>
<td>Contemporary</td>
<td>Red warm brick, flat roof</td>
<td>Clyde St</td>
<td>-</td>
<td>Gas &amp; none</td>
<td>2015 full renovation</td>
</tr>
<tr>
<td>Fifth Neville Apartments</td>
<td>4705FIFTJ</td>
<td>4705 Fifth Ave</td>
<td>Housing</td>
<td>2019</td>
<td>Desmone Architects</td>
<td></td>
<td>54,850</td>
<td>6+1</td>
<td>Contemporary</td>
<td>Red brick, flat roof</td>
<td>Fifth Ave</td>
<td>-</td>
<td>Gas &amp; chilled water</td>
<td>2020 full renovation</td>
</tr>
<tr>
<td>Pittsburgh Technology Center</td>
<td>PTC</td>
<td>700 Technology Dr</td>
<td>Research</td>
<td>1997</td>
<td>Bohlin Cywinski Jackson</td>
<td></td>
<td>80,600</td>
<td>5</td>
<td>Post Modernism</td>
<td>Grey metal and glass, flat roof</td>
<td>Technology Dr</td>
<td>-</td>
<td>Off site</td>
<td></td>
</tr>
<tr>
<td>Mill 19</td>
<td>4951LYLTE</td>
<td>4951 Lyle St</td>
<td>Research</td>
<td>2019</td>
<td>FIA (Flout only)</td>
<td></td>
<td>59,100</td>
<td>3</td>
<td>Post Modernism</td>
<td>Grey metal and glass, flat roof</td>
<td>Lytle St</td>
<td>Gold CI 4.0 2021</td>
<td>H2O heat pump &amp; air cooled</td>
<td>Off site</td>
</tr>
<tr>
<td>National Robotics Engineering Center</td>
<td>NREC</td>
<td>10 40th St</td>
<td>Research</td>
<td>1994</td>
<td>Unknown</td>
<td></td>
<td>101,900</td>
<td>3</td>
<td>Post Modernism</td>
<td>White brick with grey metal and glass, hipped roof</td>
<td>40th St</td>
<td>Gas/electric &amp; packaged DX units</td>
<td>Off site</td>
<td></td>
</tr>
<tr>
<td>6555 Penn Ave</td>
<td>6555PPN</td>
<td>6555 Penn Ave</td>
<td>Admin/Support</td>
<td>1993</td>
<td>Unknown</td>
<td></td>
<td>119,650</td>
<td>3</td>
<td>Industrial</td>
<td>Red brick, flat roof</td>
<td>Pein Ave</td>
<td>Gas/electric &amp; packaged DX units</td>
<td>Off site</td>
<td></td>
</tr>
<tr>
<td>477 Melwood Ave</td>
<td>477 MELOWOOD</td>
<td>477 Melwood Ave</td>
<td>Admin</td>
<td>2019</td>
<td>Unknown</td>
<td></td>
<td>36,200</td>
<td>4+1</td>
<td>Industrial</td>
<td>Red brick, hipped with monitor roof</td>
<td>Melwood Ave</td>
<td>-</td>
<td>Gas &amp; air cooled</td>
<td>Off site</td>
</tr>
</tbody>
</table>
### 2022 Parking Inventory

<table>
<thead>
<tr>
<th>Map</th>
<th>CMU Surface Lots</th>
<th>Spaces</th>
<th>Total Permits Issued</th>
<th>% Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Zebina Way Lot</td>
<td>32</td>
<td>32</td>
<td>0%</td>
</tr>
<tr>
<td>2</td>
<td>Henry Street Lot</td>
<td>13</td>
<td>12</td>
<td>8%</td>
</tr>
<tr>
<td>3</td>
<td>Fairfax Lot</td>
<td>55</td>
<td>0</td>
<td>100%</td>
</tr>
<tr>
<td>4</td>
<td>Whitfield Hall Lot</td>
<td>61</td>
<td>59</td>
<td>3%</td>
</tr>
<tr>
<td>5</td>
<td>300 South Craig Lot</td>
<td>22</td>
<td>22</td>
<td>0%</td>
</tr>
<tr>
<td>6</td>
<td>Hamburg Hall Lot</td>
<td>12</td>
<td>10</td>
<td>17%</td>
</tr>
<tr>
<td>7</td>
<td>GATF Lot</td>
<td>72</td>
<td>72</td>
<td>0%</td>
</tr>
<tr>
<td>8</td>
<td>Frew Street Meters</td>
<td>10</td>
<td>10</td>
<td>0%</td>
</tr>
<tr>
<td>9</td>
<td>West Campus Lot</td>
<td>14</td>
<td>9</td>
<td>36%</td>
</tr>
<tr>
<td>10</td>
<td>Morewood Lot</td>
<td>285</td>
<td>288</td>
<td>-1%</td>
</tr>
<tr>
<td>11</td>
<td>Warner Hall Lot</td>
<td>16</td>
<td>16</td>
<td>0%</td>
</tr>
<tr>
<td>12</td>
<td>Fine Arts Lot</td>
<td>61</td>
<td>54</td>
<td>12%</td>
</tr>
<tr>
<td>13</td>
<td>Donner House Lot</td>
<td>23</td>
<td>23</td>
<td>0%</td>
</tr>
<tr>
<td>14</td>
<td>Margaret Morrison St</td>
<td>14</td>
<td>7</td>
<td>50%</td>
</tr>
<tr>
<td>15</td>
<td>Bramer House Lot</td>
<td>5</td>
<td>5</td>
<td>0%</td>
</tr>
<tr>
<td>16</td>
<td>Fraternities Lot</td>
<td>69</td>
<td>71</td>
<td>-3%</td>
</tr>
<tr>
<td>17</td>
<td>Fifth and Neville Lot</td>
<td>16</td>
<td>15</td>
<td>6%</td>
</tr>
<tr>
<td>18</td>
<td>Clyde Street Lot</td>
<td>90</td>
<td>81</td>
<td>10%</td>
</tr>
<tr>
<td>19</td>
<td>Illi Lot</td>
<td>17</td>
<td>16</td>
<td>6%</td>
</tr>
<tr>
<td>20</td>
<td>South Neville</td>
<td>96</td>
<td>95</td>
<td>1%</td>
</tr>
<tr>
<td>21</td>
<td>Forbes Beeler Lot</td>
<td>20</td>
<td>n/a</td>
<td>available in 2023</td>
</tr>
<tr>
<td>22</td>
<td>Carnegie Museum Lots</td>
<td>110</td>
<td>110</td>
<td>0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Map</th>
<th>CMU Garages</th>
<th>Spaces</th>
<th>Total Permits Issued</th>
<th>% Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>5th and Craig Street Garage</td>
<td>40</td>
<td>5</td>
<td>13%</td>
</tr>
<tr>
<td>24</td>
<td>Dithridge Garage</td>
<td>370</td>
<td>388</td>
<td>-5%</td>
</tr>
<tr>
<td>25</td>
<td>CIC Garage</td>
<td>226</td>
<td>196</td>
<td>13%</td>
</tr>
<tr>
<td>26</td>
<td>Gates Garage</td>
<td>138</td>
<td>142</td>
<td>-3%</td>
</tr>
<tr>
<td>27</td>
<td>East Campus Garage</td>
<td>780</td>
<td>633</td>
<td>19%</td>
</tr>
<tr>
<td>28</td>
<td>East Campus Garage Motorcycle</td>
<td>14</td>
<td>14</td>
<td>0%</td>
</tr>
<tr>
<td>29</td>
<td>Residence at Fifth Garage</td>
<td>37</td>
<td>36</td>
<td>3%</td>
</tr>
<tr>
<td>30</td>
<td>TCS Garage</td>
<td>35</td>
<td>0</td>
<td>100%</td>
</tr>
<tr>
<td>31</td>
<td>Tepper Quad</td>
<td>126</td>
<td>95</td>
<td>25%</td>
</tr>
<tr>
<td>32</td>
<td>Fifth Neville Garage</td>
<td>29</td>
<td>0</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Total Spaces**: 2,908
Strategy for Tree Preservation and Replacement

The expansion of the campus tree canopy is a long-term mission of Carnegie Mellon University and is a goal of the 2022 Institutional Master Plan. To support that mission, the university has developed the Tree Replacement Plan to guide the maintenance, replacement and new planting of trees on campus. Components of the plan includes dense planting of hillsides, introduction of under-growth areas, infill planting to reinforce shade areas and strategic elimination of invasive species. As many of the campus edges are steep hillsides, establishing dense upper- and lower-growth systems will both create stable hillsides as well as natural buffers to adjoining residential neighborhoods. At more-formal campus spaces, such as the Mall and the Cut, new plantings will reinforce the designs of the spaces as well as increasing the campus canopy. Finally, the plan will provide a long-term framework for the campus to not only meet, but exceed, the requirements of the City’s Tree Ordinance.

UN Sustainable Development Goals & Tree Replacement

**Goal 6: Clean Water and Sanitation**
- Improve water quality by reducing pollution and release of untreated wastewater
- Protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

**Goal 11: Sustainable Cities and Communities**
- Safe, inclusive and accessible, green and public spaces

**Goal 15: Life on Land**
- Reduce impacts of invasive species
- Control and eradicate invasive species
- Reduce degradation of natural habitats and biodiversity loss
- Substantially increase afforestation and reforestation

Outdoor Rooms are key to the amenities & image of university campuses.
APPENDIX G

Strategy for Tree Preservation and Replacement

City of Pittsburgh Zoning Code

915.02.D Tree Protection and Replacement

The Zoning Administrator shall require the protection and preservation of trees with a diameter of twelve (12) inches or more, measured at a point four (4) feet above grade. If said trees are removed during site preparation or development, they shall be replaced, at a minimum, equal to the combined total diameter of removed trees. Diameter measurements shall be taken at a point four (4) feet above grade.

(emphasis added)

City of Pittsburgh Zoning Code

918.02.C Street trees

At least one (1) street tree shall be provided for each thirty (30) lineal feet of property adjoining a public street. Street trees shall be planted between the sidewalk and street curb. If planting in that area is not possible, street trees shall be installed within twenty (20) feet of street curb. Trees planted between a sidewalk and street curb must have a minimum nonpaved planting area of eighteen (18) square feet, with a minimum depth of three (3) feet. In cases where there is an existing pattern of street trees, compatible new trees shall be planted according to the existing tree spacing and pattern to the greatest extent possible. In cases where street trees are to be provided by the Department of Public Works, applicant shall provide proof of application through the Street Tree Program to the Zoning Administrator.

(emphasis added)
Strategy for Tree Preservation and Replacement

Tree Baseline: Invasive Plant

**DBH of Invasive Trees:**
- 688 trees

Source of Invasive List:
- PA DEGNR Invasive Plant List, which includes species that are not native to the state, grow aggressively, and spread and displace native vegetation.

**Invasive Tree Species**
- Amur Maple
- Japanese Maple
- Norway Maple
- Tree of Heaven
- Golden Rain Tree
- White Mulberry
- Empress Tree
- Callery Pear

**Other Invasive Species**
- Miscanthus
- Euonymus fortunei - wintercreeper
- English Ivy
- Pachysandra
- Japanese Knotweed
- Japanese Barberry
- Butterfly Bush
- Amur Honeysuckle
- Jet biad
- Japanese Spiraea
- Lindera Viburnum
- Doublefile Viburnum
- Guelder Rose (Viburnum)

**Anticipated Loss: ongoing and future development**

- Total DBH Inches to be Removed: 2415
- DBH >= 12” to be Removed: 1650 (74 trees)

**Planting Opportunity**
- Formal planting of canopy trees allows room to create a native understory
- Mowing under trees between sidewalk and building is unnecessary
Strategy for Tree Preservation and Replacement

Planting strategies

- Interplant understory trees, unmowed ground cover strip between sidewalk and building
- Maintain formal spatial strategy while providing greater habitat value, stormwater infiltration, and reduced mowing

Planting Opportunity

- Even in more natural settings, there is an opportunity to interplant canopy species with native understory plants, including understory trees and herbaceous ground cover.

Planting strategies

- This strategy can be used on both sides of a sidewalk

Planting Opportunity

- High maintenance, non-native hedges
- Mown lawn with no functional value
## Strategy for Tree Preservation and Replacement

### Planting strategies
- Replace high maintenance hedges with flowering understory trees.
- Where possible, provide canopy trees at the street edge.

### Alternative Compliance Strategies
- Reforestation - over time, reforestation provides far greater canopy cover and tree caliber than landscaping trees, and many more ecological values such as habitat, stormwater infiltration, reduced maintenance, etc. (approved in Pitt IMP - see image)
- Forest Rehabilitation/Restoration - rescues existing trees from death by invasive vines, increases tree growth and survival (pending in Pitt IMP)
- Tree Mitigation Banks - offsite areas that are reforested or rehabilitated in advance, building up a credit, which is drawn down as projects require tree removal (pending in Pitt IMP)

---

### Tree Replacement Areas

#### Next Step:
**Tree Replacement Areas - New Campus Plan**

[Map showing tree replacement areas]
The public realm is an important part of the Carnegie Mellon University campus and to improve pedestrian safety the university has initiated a streetscape improvement plan for the public streets in and around the campus. To facilitate the initiative, the university developed the Streetscape Plan for Forbes Ave, Fifth Ave, Morewood Ave and S Craig St. Included in the plan is the widening and relocation away from the curb of sidewalks on Forbes and Fifth, creation of raised planting /tree beds along the curbs, relocating the sidewalk away from the curb and adding a two-way bike track along Morewood Ave and improved pedestrian crossings with curb extensions throughout the S Craig St business district. Furthermore, the plan includes replacing streetlights with the new City standard poles with LED fixtures. Because the Streetscape Plan proposed improvements are primarily in the City-owned Right-of-Way, the entire plan was reviewed and approved by the Pittsburgh Art Commission on 25 Feb 2020.

Forbes Corridor Art Commission Review

Segment 1 - South Craig through Junction Hollow Bridge

Segment 1/North: TCS Hall (Under construction)
APPENDIX H

CMU Streetscape Program Approved by Pittsburgh Art Commission (February 7, 2020)

Segment 1/South: Junction Hollow Bridge (Future)

Segment 2/North: Tepper Quad (Completed)

Forbes Corridor Art Commission Review

Segment 2 – Forbes Ave between The Bridge to Morewood

Segment 2/South: Forbes Ave between The Bridge to Morewood (Future)
CMU Streetscape Program Approved by Pittsburgh Art Commission (February 7, 2020)

Forbes Corridor Art Commission Review

Segment 3 – Forbes Ave between Morewood to Devon

Segment 3/North: Forbes Ave between Morewood to Devon (Future)

Segment 3/South: The Square and CUC Addition (Completed)

Forbes Corridor Art Commission Review

Segment 4 – Forbes Ave between Devon to Beeler
CMU Streetscape Program Approved by Pittsburgh Art Commission (February 7, 2020)

Segment 4/North: Forbes Ave between Devon to Beeler (In Planning)

Segment 4/South: Forbes Ave between Devon to Beeler (In Planning)

Forbes Corridor Art Commission Review

Segment 5 - Forbes Ave between Beeler to Margaret Morrison

Segment 5: Forbes Ave between Beeler to Margaret Morrison (Future)
CMU Streetscape Program Approved by Pittsburgh Art Commission (February 7, 2020)

Forbes Corridor Art Commission Review

Segment 6 – Morewood Ave between Forbes & Fifth

Segment 6: Morewood Ave between Forbes & Fifth (In planning)

Segment 7 – Fifth & Clyde

Segment 7 – Fifth & Clyde (Pending construction)
APPENDIX I

Housing Master Plan

Carnegie Mellon University

8 February 2018

Impact of Housing on the Student Experience

As a result of living on campus, students will:
- Socialize and make friends
- Recreate and have fun
- Form meaningful one-to-one relationships
- Learn through diversity and interdisciplinarity
- Synthesize in- and out-of-classroom learning
- Engage in programs designed around house interests
- Refine personal values through reflection
- Care for self and others
- Receive support during challenging times
- Transition from adolescence to adulthood
- Develop a sense of belonging and affinity for CMU

Why focus on belonging?

Students’ sense of belonging and social connectedness is significantly correlated with persistence and other educational outcomes (Allen et al., 2008).

Students who report a higher sense of belonging are more likely to have strong affinity for their institution and education, are more motivated to successfully engage in their academics, and are more motivated to remain at their institution (Pascarella & Terenzini, 2005).


Housing Master Plan

CMU Housing Inventory Today

Overview
- 6,804 undergraduates enrolled
- 6,028 total beds
- 59% undergraduates housed on campus

Housing Inventory
- BEDS: 4,038 total beds
  - 2,837 in CMU-owned residence halls
  - 727 in block-leased apartments
  - 464 in CMU-owned Greek housing
- BUILDINGS: 26 residence halls
  - 22 owned
  - 4 block leased

University Policy:
- Requires first-year students to live in CMU-affiliated housing
- Guarantees CMU-affiliated housing for four years

Most Recent Significant Investments

New Construction
- Stever House (254 beds) – 2003

New Acquisitions
- Res on Fifth (146) – 2011
- Clyde House (14 beds) – 2015
- Highlands (34 beds) – 2016

Major Renovations ($5M+)
- Morewood Gardens (bathrooms) – 2017-2020

Housing Facilities Conditions

As part of the master planning process, facility consultants were engaged to thoroughly review the conditions of university-owned housing properties.

Programmatic and physical conditions, accessibility, and code deficiencies of the residence halls were assessed, as well as the urgency of issues that were found.

The overall building condition was calculated by averaging interior, exterior, programmatic, MEP and student satisfaction scores with weights assigned to each (displayed on the right). In summary:

- 5 Buildings rate as Poor
- 13 Buildings rate as Fair
- 1 Building rates as Good

Housing Master Plan Goals

1. Strengthen the Neighborhood Concept.
   - Three vibrant neighborhoods with a mix of age-appropriate unit types
   - A meaningful hub in each neighborhood
   - Appropriate building sizes - small residence halls are inefficient, large halls can be impersonal
   - Enhance the campus community for students, faculty and staff

2. Maximize the value of existing housing inventory.
   - Consistent physical condition in all halls
   - Appropriate program spaces to support community building

3. Provide more on-campus student housing.
   - Capture unmet demand
   - Strategic approach to block-leasing

4. Contribute to an urban campus environment.
   - Institutional Master Plan – City of Pittsburgh
   - Simonds Principles for campus expansion and development

5. Establish a comprehensive approach.
   - 30-year phasing plan that addresses facility-condition issues and is financially feasible
Housing Master Plan

The Neighborhood Concept

A residential experience that is unique to Carnegie Mellon

Vision
- Three neighborhoods that offer a mix of unit types to provide appropriate unit typology
- A neighborhood hub in each area
- Students could choose to live in the same neighborhood for multiple years and identify with the neighborhood community

Current State:
The Hill
- 1,236 housing beds
- 80 Greek beds in Margaret Morrison Mennon
- 358 total beds
- 384 Greek beds at the Greek Quad
-Fifth Avenue
- 968 total beds
- 75% of available beds are block leased (726)

Future State:
See diagram (*Greek housing not indicated but maintained)

Neighborhood Hubs

Components could include:
- Signature multifunctional dining spaces for community building
- Technology-enhanced learning commons to facilitate teaching in residence and metacurricular learning
- Academic support services with robust slate of tutoring, supplemental instruction, individual coaching, etc. to support student success
- Distinct maker spaces for the building hands-on do-er
- Spaces designed for creative endeavors and play including music or art
- Holistic wellness spaces that create space to work out, to retreat, to reflect
- Commons that encourage engagement among students, faculty, staff, alumni

Phasing Plan

Phase 1 (Fifth/Cycle Hub, Fifth/Newke) 2020/21
Phase 2 (Fifth/Beecher + Market) 2023
Phase 3 (Keston + Allyn) 2023
Phase 4 (Hamerschlag Hub) 2024
Phase 5 (Newm + WNE) 2025
Phase 6 (Kester A) 2026
Phase 7 (Kester B) 2026
Phase 8 (Muirgo Rens)

Long-Term Opportunities

NOTE: Projects listed are not included in Draft Plan.

1 - Graduate housing (parking) at Whitfield (~150 beds)
2 - Re-development of Greek Quad (net ~400 beds or gain Capstone site)
3 - Re-development of Woodburn corner (net 100)