Prepared for the
Committee on Finance and Facilities
Board of Governors

Status of Significant Projects

March 22, 2017

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Executive Vice President
Strategic Planning and Operations & Chief Operating Officer
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Rutgers Biomedical & Health Sciences $86.10M

Project Total University Wide $544.60M

Completed Projects Since 2006 20
Capital Projects at Rutgers, the State University of New Jersey
New Brunswick

@ Busch

1. **Chemistry & Chemical Biology Building**

   **Teaching/Research**

   **Project Description**

   Establish a world-class state-of-the-art Chemistry and Chemical Biology facility to serve and train the next generation of globally-engaged scientists and support the needs of the chemical industry in New Jersey and beyond.

   This 141,000 gross square foot facility will feature flexible research laboratory areas for teaching/teaching support, classrooms and collaborative and administration space.

   **Key Information:**

   - **Cost:** $115 M
   - **Dates:**
     - CPAC Approval Date: January 13, 2013
     - BoG Approval Date: February 28, 2013
     - Anticipated Completion Date: Fall 2017
   - **Design & Construction Status:** Construction underway, 78% complete
2. **Busch Campus Infrastructure**

**Project Description**

Upgrade obsolete and inadequate utilities, roadways, walkways to support the continued growth of the Busch Campus, of which include the new Chemistry and Chemical Biology Building and Richard Weeks Hall of Engineering facilities.

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**Key Information:**

- **Cost:** $15 M
- **Date:**
  - Anticipated Completion Date: 2018
- **Design & Construction Status:**
  - Construction underway, 35% complete
Project Description

Establish a world-class state-of-the art and signature "Engineering Gateway" facility. This building will support the efforts of research enterprises, assert its commitment to sustainability and cross-disciplinary engineering collaborations.

This 104,000 square foot facility will feature an advanced infrastructure of classrooms, laboratories, and common space to facilitate key research and educational advancements.

Key Information:

Cost: $84 M

Dates:
CPAC Approval Date: May 18, 2015
BoG Approval Date: June 18, 2015
Anticipated Completion Date: Summer 2018

Design & Construction Status:
Construction underway, 7% complete
4. Waksman Institute of Microbiology Third Floor Addition  

Teaching/Research

Busch Campus

Key Information:

Cost: $9 M

Dates:
CPAC Approval Date: Not Applicable
BoG Approval Date: October 5, 2015,
Increased budget BoG Approval Date: January 25, 2017
Anticipated Completion Date: Spring 2019

Design & Construction Status:
Design underway

Project Description

This project represents an addition to the Waksman Institute of Microbiology. The 10,500 gross square foot addition will feature a state of the art laboratory and research space.

This space will house both wet and dry laboratories, associated support space, conferencing space, administrative offices, a collaborative break room.
Project Description

This project represents the renovation of the existing outdoor practice fields, located immediately to the northeast of High Point Solutions Stadium, to support the Football team, in addition to Men’s and Women’s Lacrosse programs. A new brick clad main entry gate opens to approximately 364,000 square feet of field practice area that replaces two (2) 20 year old existing turf fields and subsurface infrastructure. It will include all new, natural grass fields over a sub-surface profile mix and new drainage and irrigation systems, and a service building with restrooms.

The playing fields will be illuminated by the latest technology light towers. Video towers will provide aerial observation and recording platforms. In addition, game clocks, scoreboards, and a video board facing the public realm at the corner of Scarlet Knight Way and Sutphen Road will also be included.

Key Information:

Cost: $8.5 M
Dates:
BoG Approval Date: January 25, 2017
Anticipated Completion Date: Summer 2017
Design & Construction Status:
Construction contract awarded
Project Description

This project, the construction of a new 100,000 gross square foot facility will have state-of-the-art teaching spaces that are consistent with the current pedagogical trends in Nursing and Science education. This facility will feature an advanced infrastructure of classrooms, laboratories, and common space to facilitate key research and educational advancements.

This facility will feature specialized simulation spaces for advanced teaching and SCALE-UP “Discovery Labs”. Shared student areas between Nursing and Science include student lounges, a food service area, group study rooms and collaboration spaces.
Project Description

This project involves the renovation of two adjoining row houses on Cooper Street, built circa 1850, totaling approximately 13,000 gross square feet. This project will centralize the Department of Childhood Studies.

The project includes significant interior renovation and the required infrastructure work to provide space for offices, conference and seminar rooms, a computer lab, lounge space, and support spaces for faculty, staff, and students.
Newark

8. Life Science Building, Phase II  Teaching/Research

Project Description

This project creates a Life Sciences Center that physically links existing facilities and provides opportunities for synergy among all Life Science departments by creating shared cored functions, flexible research space for both existing and potential future programs and academic support spaces for all disciplines.

Features include the expansion of the imaging suite and vivarium facilities. This 87,000 gross square foot building will be occupied by the Biology, Chemistry and Neuroscience departments.

Key Information:

Cost: $59 M

Dates:
CPAC Approval Date: January 14, 2013
BoG Approval Date: February 28, 2015
Anticipated Completion Date: Summer 2017

Design & Construction Status:
Construction underway, 80% complete
This project represents the fit-out of 28,000 square foot of unfinished floors 6 and 2 including the addition of a new rear entrance to the building to accommodate the expanding Business School. Anticipated occupancy includes the displaced MBA Student Services, Graduate Student Services and Executive MBA.

The fit-out will include two tiered lecture halls of approximately 125 seats each with full information technology infrastructure including video boards and voice capabilities. Additionally, the space will include departmental offices, individual offices, large lounge space which can also be utilized to support a new Corporate Presentation Room. All building core elements will be fully updated.
Project Description

This project involves the creation of a state-of-the-art facility with residential, amenity, and academic spaces that will house almost 400 talented diverse undergraduate student cohort that will include, but not limited to, veterans, older students, transfer students, and first-generation college student.

The 155,000 gross square foot, 5 story building will be located within the James Street Commons Historic District and will feature mixed-usage to include; Academic spaces, student support functions, HLLC departmental offices, long-term bicycle storage, parking for 322 vehicles and 20,000 square feet for retail establishments.

Newark Campus

Key Information:

Cost: $81M

Dates:
- CPAC Approval Date: Not Applicable
- BoG Approval Date: September 21, 2016
- Anticipated Completion Date: Summer 2018

Design & Construction Status:
- Site work underway
Project Description

This project involves the renovation of a 6,000 square feet of laboratory space, providing upgraded teaching labs and support spaces that meet today’s safety standard and pedagogical needs.

Additionally, the infrastructure work will include upgrading HVAC and controls.
12. Pharmacy Building Addition

Project Description

The project represents a state of the art 57,000 square foot addition to the existing William Levine Hall Building that will feature classrooms and lecture space.

The space will house two 300 seat auditoriums, four 60 seat classrooms, four collaborative practice simulation laboratories, a community practice patient interaction simulation suite, small group study rooms, a centralized student commons as well as administrative pharmacy space.

Key Information:

- Cost: $37.5 M
- Dates:
  - CPAC Approval Date: January 14, 2013
  - BoG Approval Date: February 28, 2013
  - Anticipated Completion Date: Fall 2017
- Design & Construction Status:
  - Construction underway, 55% complete
Project Description

The project will provide significant benefit to the researchers of both RBHS and Rutgers-NB by providing significantly improved research facilities. Improvements will include upgraded procedure spaces, upgraded zoned control HVAC system, electrical upgrades, envelope waterproofing integrity improvements, and interior finish work.
Project Description

The project represents a renovation of an entire floor, 24,000 square foot, (plus infrastructure) of the CAB to provide administrative and laboratory space for the RWJMS Department of Medicine as well as a new model for medical research at RBHS. A flexible, open lab model will be put into place, providing for visibility, collaboration, and interaction among administrators, clinicians, residents and researchers.

The space will house laboratories, lab support, research and departmental offices; and graduate student and post-doctorate tech spaces.
Project Description

Renovations will occur in two SDM laboratories; two adjoining building, the Medical Science Building and the Bergen Street Pavilion.

A total of 3,406 square foot will be renovated in the Medical Science Building to house school's Center for Pharmacogenomics and Complex Disease Research. This center uses modern genomics technologies to research the genomic basis of disease and the genomic basis for drug actions and will be utilized by graduate and postdoctoral fellows.

The Bergen Street Pavilion will be renovated to house a flexible laboratory consisting of 19,394 square foot. The research laboratones will be expanded and reconfigured to accommodate the Center for Oral Infectious Disease, oral biology, orofacial pain and periodontal disease researchers.

Key Information:

Cost: $16 M

Dates:
- CPAC Approval Date: Not Applicable
- BoG Approval Date: February 28, 2013
- Anticipated Completion Date: Spring 2018

Design & Construction Status:
- Construction underway, 25% complete
16. RBHS Site Wide Campus Network Protectors Replacement  Teaching/Research

Project Description

The scope of this program intends to replace the Low Voltage Network Protectors in four existing transformer vaults (Administration Complex, Dental School, Library, and Power Plant) at the RBHS Campus. Each vault consists of double ended switchgears in a ring bus configuration.

The switchgear feeders are energized with incoming 26.4 kV power flow from the main switchgear. Each substation is connected to a network of 2000 kVA transformers stepped down to 480/277V. The transformer outputs feed the building MCCs and distribution panels.

The functionally of Low Voltage Networks are to prevent power from ‘back-feeding’ from one transformer to another. The Network Protectors are designed to open (that is, break the circuit) quickly when they detect back-feeding and initiate automatic recluses system to normal.

Key Information:

Cost: $5 M

Dates:
- CPAC Approval Date: Not Applicable
- BoG Approval Date: Not Applicable
- Anticipated Completion Date: Summer 2017

Design & Construction Status:
- Construction underway, 85% complete
17. **School of Dental Medicine Oral Health Pavilion Central Teaching/Research Sterilization Facility Fit-Out**

**Project Description**

The existing Central Sterilization Facility is located in the School of Dental Medicine’s (SDM) Bergen Street Pavilion on the “D” Level. The new Central Sterilization Facility is expected to be constructed in the Oral Health Pavilion on the A-Level. The new facility will be approximately 4,100 gsf. The new space will consist of a Decontamination Room, Prep Pack Room and Sterile Storage Room. The equipment will include Ultrasonic Cleaners, Steam Sterilizers, Cart Washers and Utensil Washers and will serve the entire SDM. This 104,000 sq. ft. facility will feature an advanced infrastructure of classrooms, laboratories, and common space to facilitate key research and educational advancements.

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**Key Information:**

- **Cost:** $5.6M
- **Dates:**
  - CPAC Approval Date: Not Applicable
  - BoG Approval Date: June 18, 2015
  - Anticipated Completion Date: Fall 2017

- **Design & Construction Status:**
  Construction underway, 5% complete
## Completed Projects Since 2006

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Description</th>
<th>Dollars in Millions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>1. Bio Medical Engineering Building</td>
<td>$33.50</td>
</tr>
<tr>
<td>2007</td>
<td>2. Keck Neuroscience Center</td>
<td>$2.40</td>
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<td>2007</td>
<td>3. Wright Rieman Polymer &amp; Protein Wet Lab, Room 371</td>
<td>$3.00</td>
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<tr>
<td>2009</td>
<td>4. Stadium Expansion</td>
<td>$102.00</td>
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<td>2009</td>
<td>5. University Visitor Center</td>
<td>$7.54</td>
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<tr>
<td>2010</td>
<td>7. Cell DNA Repository</td>
<td>$3.75</td>
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<tr>
<td>2011</td>
<td>8. University Housing</td>
<td>$57.00</td>
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<td>2011</td>
<td>9. Center for Integrative Proteomics Research</td>
<td>$47.00</td>
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<tr>
<td>2013</td>
<td>10. Nelson Biology Laboratories C-Wing Renovation</td>
<td>$10.80</td>
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<tr>
<td>2013</td>
<td>11. Infrastructure Improvements Project</td>
<td>$10.00</td>
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### Camden Campus

<table>
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<tr>
<th>Year</th>
<th>Project Description</th>
<th>Dollars in Millions</th>
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<tbody>
<tr>
<td>2007</td>
<td>12. Camden Dinning Hall Renovation</td>
<td>$5.30</td>
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<tr>
<td>2009</td>
<td>13. Camden Law School</td>
<td>$37.00</td>
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<tr>
<td>2009</td>
<td>14. Camden Recreation Center</td>
<td>$12.00</td>
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<td>2011</td>
<td>15. Early Learning Research Academy (ELRA)</td>
<td>$3.90</td>
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<td>2012</td>
<td>16. Camden Student Housing Project</td>
<td>$55.00</td>
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<tr>
<td>2016</td>
<td>17. Writers House</td>
<td>$4.50</td>
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<tr>
<td>2016</td>
<td>18. Alumni House &amp; Development Office</td>
<td>$2.50</td>
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### College Avenue Campus

<table>
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<tr>
<th>Year</th>
<th>Project Description</th>
<th>Dollars in Millions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>19. College of Nursing</td>
<td>$10.00</td>
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<tr>
<td>2009</td>
<td>20. Student Counseling Center</td>
<td>$5.00</td>
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<tr>
<td>2010</td>
<td>21. Institute for Health Sciences</td>
<td>$25.00</td>
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<tr>
<td>2012</td>
<td>22. Gateway Transit Village</td>
<td>$19.60</td>
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<td>2015</td>
<td>23. Bishop Quad Residence Upgrade</td>
<td>$13.00</td>
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<td>2015</td>
<td>24. Seminary &amp; Associated Property Development</td>
<td>$85.00</td>
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<tr>
<td></td>
<td>• The Honors College</td>
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<tr>
<td>2016</td>
<td>25. Seminary &amp; Associated Property Development</td>
<td>$208.00</td>
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<td></td>
<td>• Academic Building</td>
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<td></td>
<td>• The Yard</td>
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### Cook Campus

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<tr>
<th>Year</th>
<th>Project Description</th>
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<tbody>
<tr>
<td>2008</td>
<td>26. Endocrine Research Facility</td>
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<tr>
<td>2015</td>
<td>27. Institute for Food, Nutrition &amp; Health</td>
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### Douglass Campus

<table>
<thead>
<tr>
<th>Year</th>
<th>Project Description</th>
<th>Cost</th>
</tr>
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<tbody>
<tr>
<td>2008</td>
<td>28. Douglass Developmental Disabilities Center</td>
<td>$ 4.00</td>
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<tr>
<td>2013</td>
<td>29. Robert E. Mortensen Hall, Music &amp; Dance Wing</td>
<td>$ 12.50</td>
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### Livingston Campus

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<th>Year</th>
<th>Project Description</th>
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<tbody>
<tr>
<td>2009</td>
<td>31. Livingston Solar Energy Project</td>
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<td>2010</td>
<td>32. Livingston Student Center</td>
<td>$ 18.20</td>
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<tr>
<td>2011</td>
<td>33. Livingston Dining Commons</td>
<td>$ 30.50</td>
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<td>2012</td>
<td>34. University Housing</td>
<td>$ 215.00</td>
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<tr>
<td>2013</td>
<td>35. Solar Canopy Project</td>
<td>$ 40.80</td>
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<tr>
<td>2013</td>
<td>36. Livingston Business School</td>
<td>$ 85.00</td>
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<tr>
<td>2013</td>
<td>37. Tillett Classroom Renovations</td>
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<tr>
<td>2013</td>
<td>38. Livingston Campus Infrastructure</td>
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<td>2013</td>
<td>39. 7 Kilmer Road</td>
<td>$ 3.50</td>
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<tr>
<td>2016</td>
<td>40. Baseball/Softball Practice Facility</td>
<td>$ 3.25</td>
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### Newark Campus

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<th>Year</th>
<th>Project Description</th>
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<tbody>
<tr>
<td>2009</td>
<td>41. Rutgers Business School</td>
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<td>2010</td>
<td>42. Life Sciences - Olson Hall</td>
<td>$ 5.36</td>
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<td>2012</td>
<td>43. Central Heating Plant Upgrade</td>
<td>$ 3.70</td>
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<tr>
<td>2015</td>
<td>44. Student Housing at 15 Washington Street</td>
<td>$ 85.00</td>
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<td>2016</td>
<td>45. Redevelopment of the Hahnes &amp; Co. Department Store</td>
<td>$ 25.00</td>
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### Health Sciences

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<th>Year</th>
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<tr>
<td>2015</td>
<td>46. School of Health Related Professions Clinical Lab Renovation</td>
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<td>2016</td>
<td>47. School of Dental Medicine Oral Health Pavilion C Level Fit-Out</td>
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### Outlying

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<tr>
<td>2006</td>
<td>48. Multi-Species Aquaculture Demonstration Facility</td>
<td>$ 7.80</td>
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<td>2008</td>
<td>49. Food Innovation Center</td>
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<tr>
<td>2012</td>
<td>50. Atlantic Cape Community College Facility</td>
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### University Utilities

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<th>Year</th>
<th>Project Description</th>
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<tr>
<td>2009</td>
<td>51. High Voltage Substation Upgrade: Phase 1</td>
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<tr>
<td>2010</td>
<td>52. Interior Lighting Retrofit Program</td>
<td>$ 5.00</td>
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<tr>
<td>2011</td>
<td>53. High Temp Hot Water Improvements</td>
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### Campus Wide

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<tr>
<th>Year</th>
<th>Project Description</th>
<th>Cost</th>
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<tbody>
<tr>
<td>2011</td>
<td>54. Classroom Enhancement</td>
<td>$ 15.00</td>
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**Total** $ 1,565.96