SECTION III-D

SEVEN-YEAR CAPITAL IMPROVEMENT PLAN

FISCAL 2009 – 2015

Rutgers, The State University
The University of Medicine and Dentistry of New Jersey
New Jersey Institute of Technology
Rowan University
Overview
The New Jersey system of higher education is committed to enabling all people to achieve their maximum potential, fostering democratic principles, improving the quality of life, and supporting the State's success in a global economy. By placing teaching and learning at the core of its mission, the higher education system in New Jersey prepares individuals for fulfilling lives, rewarding careers, and lifelong learning; through research, colleges and universities enhance teaching and learning, increase knowledge, improve the human condition, and enhance the economy. Many institutions also provide community service, work with local schools and organizations, sponsor recreational and cultural events, and offer technical assistance to small businesses.

In addition to promoting personal and intellectual growth, the higher education system bestows economic benefits to the State. By providing an educated and skilled workforce, developing new technologies through research, and devising new partnerships with private enterprise, the system attracts new businesses, creates jobs, and promotes economic growth. New Jersey has more scientists and engineers per capita than any other state and is an international leader in corporate research and development. Overall, the State has a higher than average number of executives, administrators and managers, and a lower than average concentration of workers in service occupations.

The Higher Education Restructuring Act of 1994
The Higher Education Restructuring Act of 1994 created the current system of higher education in New Jersey. It is a tripartite structure consisting of the Commission on Higher Education, the New Jersey Presidents’ Council, and the higher education institutions.

The Commission on Higher Education
The purpose of the Commission on Higher Education is to coordinate, plan, and develop policy, and serve as an advocate for the State’s higher education system in concert with the New Jersey Presidents’ Council. The Commission conducts research and coordinates statewide accountability efforts to provide data and programs on higher education performance, programs, and initiatives. This enhances the capacity and competitiveness of the institutions, increases access to higher education for all socio-economic groups, and improves linkages between secondary schools, higher education facilities, and two-year community colleges.

The Presidents’ Council
The Presidents’ Council is an advisory body composed of the presidents of all public colleges and universities and those independent institutions that receive State aid. The Council makes recommendations on new programs, budgets, student aid levels, licensure, and the statewide higher education plan. It also advises the Administration, the Legislature, and the Commission on Higher Education on specific issues affecting higher education.
Colleges and Universities
The higher education system is comprised of 12 four-year public colleges and universities, 19 community colleges, and 26 private institutions. The State’s 12 senior institutions operate autonomously, governed by their boards of trustees. Each of the senior public institutions has clearly defined missions that offer diverse opportunities to students. These include undergraduate, graduate, and professional degree programs, research facilities, academic support assistance, non-credit offerings, and training and continuing education programs. In addition to promoting their educational missions, colleges and universities provide cultural and recreational activities to communities through theater performances, concerts, guest speakers, and sports events.

Community Colleges
The community colleges play a vital role in the higher education system by providing two-year associate degrees in specific fields, continuing education programs, and skill improvements options. For many of their students, the community colleges also serve as a gateway to higher-level degrees through transfers to four-year institutions.

Student Assistance Programs
New Jersey is dedicated to the principle that higher education should be accessible to all – regardless of their socio-economic status. Consequently, financial assistance is provided under the auspices of the Higher Education Student Assistance Authority, including need-based and merit-based funding, specialty grants, federal student loans, and a tax-free saving incentives program for student attending colleges in New Jersey.
### Preservation
- A02 Preservation-HVAC: 1 project, $4,743, $4,743, $4,743, $18,973, $33,202
- A03 Preservation-Critical Repairs: 1 project, $5,660, $5,660, $5,660, $22,640, $39,620

Sub Totals: 2 projects, $10,403, $10,403, $10,403, $41,613, $72,822

### Compliance
- B01 Compliance-ADA: 1 project, $20,000, $3,000, $3,000, $4,500, $30,500

Sub Totals: 1 project, $20,000, $3,000, $3,000, $4,500, $30,500

### Acquisition
- D03 Acquisition-Computer Equipment & Systems: 1 project, $12,400, $10,240, $10,240, $70,960, $103,840
- D04 Acquisition-Other: 1 project, $20,000, $5,000, $2,000, $8,000, $35,000

Sub Totals: 2 projects, $32,400, $15,240, $12,240, $78,960, $138,840

### Construction
- E02 Construction-New: 0 projects, $0, $79,400, $123,400, $40,000, $242,800

Sub Totals: 0 projects, $0, $79,400, $123,400, $40,000, $242,800

### Infrastructure
- F04 Infrastructure-Other: 1 project, $18,000, $18,000, $18,000, $72,000, $126,000

Sub Totals: 1 project, $18,000, $18,000, $18,000, $72,000, $126,000

**Grand Totals:** 6 projects, $80,803, $126,043, $167,043, $237,073, $610,962
Rutgers, The State University

Agency Capital Budget Request

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
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<td>$30,500</td>
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RUTGERS, UNIVERSITY WIDE

LIFE SAFETY AND COMPLIANCE PROJECTS

LOCATION: UNIVERSITY WIDE

Dept Priority 1
Project ID: 75A375
Project Type Code: B01 Project Type Description: Compliance-ADA

General: $30,500 $20,000 $3,000 $3,000 $4,500
Sub-Total: $30,500 $20,000 $3,000 $3,000 $4,500

Operating Impact: Increase: $0 Decrease: $0

These are capital improvement projects which are to be undertaken in order to bring the university in compliance with Federal and State regulations, and create a healthy and safe environment for students, faculty and staff. Such projects include renovation of older buildings constructed prior to the passage of the Americans with Disabilities Act in order to allow improved access, and may include installation of elevators, ramps, lifts, signage and other accommodations. Compliance projects also include those improvements which are required to ensure compliance with fire safety codes, and include installation of alarm and warning systems, detection systems, fire suppression systems, and exit doors.

RUTGERS, UNIVERSITY WIDE

CRITICAL BUILDING REPAIRS

LOCATION: UNIVERSITY WIDE

Dept Priority 1
Project ID: 75A376
Project Type Code: A03 Project Type Description: Preservation-Critical Repairs

General: $39,620 $5,660 $5,660 $5,660 $22,640
Sub-Total: $39,620 $5,660 $5,660 $5,660 $22,640

Operating Impact: Increase: $0 Decrease: $0

Rutgers University has over 700 buildings on its three main campuses and throughout the state. The building inventory includes everything from high tech lab and research facilities to historic landmark buildings and agricultural farm structures. The large majority of university space was built prior to 1980, and significant resources are required to preserve and maintain these facilities for their intended use. A group of 38 critical building repair projects have been identified as priorities. They involve roof replacement and stabilization of building exterior walls such as masonry repointing, caulking and joint reinforcement. These projects, if deferred, would require cause damage to other building equipment or systems.

RUTGERS, UNIVERSITY WIDE

CAMPUS INFRASTRUCTURE IMPROVEMENTS

LOCATION: UNIVERSITY WIDE

Dept Priority 1
Project ID: 75A377
Project Type Code: F04 Project Type Description: Infrastructure-Other

General: $126,000 $18,000 $18,000 $18,000 $72,000
Sub-Total: $126,000 $18,000 $18,000 $18,000 $72,000

Operating Impact: Increase: $0 Decrease: $0

Infrastructure projects include delivery of water supplies, energy and utilities improvements, landscaping improvements, and the construction and repair of roads, parking lots, and sidewalks. These utility and infrastructure systems are deemed essential in order to provide reliable support services to a population of 50,000 full and part time students, and over 6,000 faculty and staff.
### Rutgers, The State University

#### Agency Capital Budget Request

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
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<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

### Rutgers, University Wide

**Land Acquisition**

- **Department**: 1
- **Project ID**: 75A383
- **Project Type Code**: D04, **Project Type Description**: Acquisition-Other

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**Operating Impact**: Increase: $0, Decrease: $0

The Newark and Camden campuses are in dense urban settings and are in competition with neighbors and surrounding institutions for land to expand. The university needs to acquire additional land as opportunity presents itself in order to accommodate future growth of the campus.

### Rutgers, University Wide

**Critical HVAC Repairs**

- **Department**: 1
- **Project ID**: 75A869
- **Project Type Code**: A02, **Project Type Description**: Preservation-HVAC

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<th>$4,743</th>
<th>$4,743</th>
<th>$4,743</th>
<th>$18,973</th>
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**Operating Impact**: Increase: $0, Decrease: $0

Rutgers University has over 700 buildings on its three main campuses and throughout the state. The building inventory includes everything from high tech lab and research facilities to historic landmark buildings and agricultural farm structures. The large majority of university space was built prior to 1980, and significant resources are required to preserve and maintain these facilities for their intended use. The university has identified a group of 33 critical projects that involve repair and upgrade of outdated heating and cooling systems. These projects, if deferred, would require costly replacements and/or cause damage to other building equipment or systems.

### Rutgers, University Wide

**Information Technology Infrastructure**

- **Department**: 75A870
- **Project Type Code**: D03, **Project Type Description**: Acquisition-Computer Equipment & Systems

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<th>$103,840</th>
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<th>$10,240</th>
<th>$70,960</th>
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</table>

**Operating Impact**: Increase: $0, Decrease: $0

An investment of roughly $104,000,000 is needed to upgrade and maintain information technology infrastructure at the university over the next seven years. An estimated $10 million is needed annually for network life cycle replacement. Funding in the amount of $3.84 million is needed to establish a wireless network across the campuses. In addition $30 million will be needed for the RUNet 2 project, the next generation of network applications and technologies that take advantage of significantly higher bandwidth than today's Internet.
### Rutgers, The State University

#### Agency Capital Budget Request (000's)

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<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>7 YR PROG</td>
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#### RUTGERS, NEWARK CAMPUS
**LIFE SCIENCES EXPANSION PHASE II**

**LOCATION:** NEWARK CAMPUS

**Dept Priority:** 2  
**Project ID:** 75A867  
**Project Type Code:** E02  
**Project Type Description:** Construction-New

| General | $39,400 | $0 | $39,400 | $0 | $0 |
| Sub-Total | $39,400 | $0 | $39,400 | $0 | $0 |

**Operating Impact:**  
**Increase:** $922,590  
**Decrease:** $0

An expansion of the Life Sciences Building, located on the corner of University Avenue and Warren Street, is needed to accommodate the Departments of Biological Sciences and Chemistry. The current building is inadequate to meet the current deficits and growing demands for high quality teaching and research space in these disciplines. The project will create 67,000 sf of new instructional, research and instrumentation space.

#### RUTGERS, PISC/N. BRUNSWICK
**EARTH, OCEAN AND PLANETARY SCIENCE BUILDING**

**LOCATION:** COOK CAMPUS NEW BRUNSWICK

**Dept Priority:** 2  
**Project ID:** 75A378  
**Project Type Code:** E02  
**Project Type Description:** Construction-New

| General | $65,000 | $0 | $0 | $65,000 | $0 |
| Sub-Total | $65,000 | $0 | $0 | $65,000 | $0 |

**Operating Impact:**  
**Increase:** $955  
**Decrease:** $0

The construction of a new 120,000 GSF lab and office facility on the Cook Campus will house Rutgers' world-renowned Geology Department and expand its top-rated Institute of Marine and Coastal Sciences. Envisioned as an expansion of the existing Marine and Coastal Sciences building, this project is vital to the university’s continued progress in the areas of earth, ocean and planetary sciences and the direct provision of services, through these programs, to New Jersey’s marine and ocean-based industries.

#### RUTGERS, PISC/N. BRUNSWICK
**NUTRITION RESEARCH CENTER**

**LOCATION:** COOK CAMPUS - NEW BRUNSWICK

**Dept Priority:** 2  
**Project ID:** 75A637  
**Project Type Code:** E02  
**Project Type Description:** Construction-New

| General | $40,000 | $0 | $40,000 | $0 | $0 |
| Sub-Total | $40,000 | $0 | $40,000 | $0 | $0 |

**Operating Impact:**  
**Increase:** $759,200  
**Decrease:** $0

A new, state-of-the-art research lab and office facility will be built to house Rutgers' Department of Nutritional Sciences (first in the nation) and additional programs, relating to nutrition and health. The building will serve as a centerpiece for a major multi-disciplinary and collaborative multi-institutional initiative in nutrition, encompassing fields from molecular genetics and physiology, to pharmaceuticals and nutraceuticals, to public policy and education, to outreach to communities and districts throughout the State. The goal is to position Rutgers as “the nutrition university,” focused on research, education, economic development and community service. The Nutrition Research Facility is to be built on the Cook Campus as a 80,000 gsf addition to the Center for Advanced Food Technology building, allowing for the relocation and consolidation of the nutrition department from Thompson Hall and Davison Hall, two older buildings on campus.
Rutgers, The State University

Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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<td>RUTGERS, PISC/N. BRUNSWICK</td>
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<td>ARTS AND SCIENCES BUILDING</td>
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<td>LOCATION: COLLEGE AVE CAMPUS - NEW BRUNS</td>
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<td>Operating Impact: Increase: $1,836</td>
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<td>Decrease: $0</td>
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This project will construct a new 180,000 sf teaching, academic, and student service facility on the Rutgers' historic College Avenue campus. It will provide much needed classroom space to help severe overcrowding and bring state-of-the-art teaching facilities to campus. The building is intended to serve as an educational showcase for the University's traditional center.

RUTGERS, CAMDEN CAMPUS

SCHOOL OF BUSINESS BUILDING

LOCATION: CAMDEN CAMPUS

Dept Priority: 2

Project ID: 75A517

Project Type Code: E02

Project Type Description: Construction-New

General: $38,400 | $0 | $0 | $38,400 | $0

Sub-Total: $38,400 | $0 | $0 | $38,400 | $0

Operating Impact: Increase: $724,800
Decrease: $0

The Rutgers School of Business at Camden (RSBC) has an outstanding cadre of faculty and is highly regarded by the southern New Jersey business community, but the RSBC currently shares facilities with other disciplines in the areas of math and science. RSBC is the only school on the Rutgers Camden campus that does not have its own building. To provide the new dean with the ability to move the School forward, a building designed specifically for instruction of business courses, with case study rooms and interactive computerized classrooms is critical. A new 96,000 gsf building is proposed on North 5th Street near Pearl Street, where the new business school will frame one side of a proposed campus quadrangle opposite the new Camden Law School facility.

Totals For:
Rutgers, The State University

| General: $610,962 | $80,803 | $126,043 | $167,043 | $237,073 |
| Bond: $0 | $0 | $0 | $0 | $0 |
| Federal: $0 | $0 | $0 | $0 | $0 |
| Other: $0 | $0 | $0 | $0 | $0 |
| Sub-total: $610,962 | $80,803 | $126,043 | $167,043 | $237,073 |
## University of Medicine and Dentistry
### FY 2009 Capital Budget Request
#### By Project Category and Project Type: General Funds

*Amounts Expressed in Thousands (000's)*

<table>
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<tr>
<th>Number of FY2009 Projects</th>
<th>Department Request</th>
<th>FY 2009</th>
<th>FY 2010</th>
<th>FY 2011</th>
<th>FY 2012 - 2015</th>
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<td>$51,426</td>
<td>$17,361</td>
<td>$68,364</td>
<td>$246,867</td>
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| Compliance | | | | | | |
| B01 Compliance-ADA | 1 | $450 | $0 | $0 | $0 | $450 |
| B02 Compliance-Fire Safety | 20 | $11,940 | $950 | $4,700 | $100 | $17,690 |
| B03 Compliance-Other | 4 | $905 | $21 | $0 | $4,200 | $5,126 |
| Sub Totals: | | $13,295 | $971 | $4,700 | $4,300 | $23,266 |

| Environmental | | | | | | |
| C02 Environmental-Asbestos | 1 | $1,200 | $0 | $0 | $0 | $1,200 |
| C04 Environmental-Underground Tanks | 1 | $3,800 | $0 | $0 | $0 | $3,800 |
| Sub Totals: | | $5,000 | $0 | $0 | $0 | $5,000 |

| Acquisition | | | | | | |
| D02 Acquisition-Equipment | 33 | $79,421 | $23,493 | $11,430 | $8,000 | $122,344 |
| D03 Acquisition-Computer Equipment & Systems | 36 | $58,000 | $28,055 | $26,730 | $28,923 | $141,708 |
| Sub Totals: | | $137,421 | $51,548 | $38,160 | $36,923 | $264,052 |

| Construction | | | | | | |
| E02 Construction-New | 13 | $196,584 | $143,821 | $16,175 | $50,400 | $406,980 |
| E03 Construction-Renovations and Rehabilitation | 23 | $81,537 | $136,860 | $126,470 | $288,530 | $633,397 |
| Sub Totals: | | $278,121 | $280,681 | $142,645 | $338,930 | $1,040,377 |

| Infrastructure | | | | | | |
| F01 Infrastructure-Energy Improvements | 5 | $2,100 | $0 | $0 | $0 | $2,100 |
| F02 Infrastructure-Roads and Approaches | 3 | $3,600 | $0 | $0 | $0 | $3,600 |
| F03 Infrastructure-Water Supply-State Facilities | 3 | $1,350 | $0 | $0 | $0 | $1,350 |
| F04 Infrastructure-Other | 1 | $2,000 | $2,000 | $1,000 | $500 | $5,500 |
| Sub Totals: | | $9,050 | $2,000 | $1,000 | $500 | $12,550 |

| Grand Totals: | | $552,603 | $386,626 | $203,866 | $449,017 | $1,592,112 |
# University of Medicine and Dentistry

## Agency Capital Budget Request

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
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### UMDNJ - NEW JERSEY DENTAL SCHOOL

**NJDS-EXPANSION**

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<tr>
<th>LOCATION:</th>
<th>NJDS - C &amp; D LEVELS</th>
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**Bond:**

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Expansion of the C and D Levels of the New Jersey Dental School by 26,550 square feet would add a sufficient amount of space enabling the school to make significant progress. This option includes clinic renovations, electrical upgrades, networking infrastructure improvements, atrium glass repair, HVAC upgrades and partial monies for interior renovations. A reassignment of Academic Media space to the Dental School would also result. This space would be used for academic and office space expansion.

### UMDNJ - NEW JERSEY DENTAL SCHOOL

**NJDS-CLINIC HANDPIECE REPLACEMENT**

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Handpiece currently used in the preclinic and clinic are approximately 10 years old and out of warranty. With the dental school expansion and the replacement of the clinical delivery systems, handpieces will also have to be replaced.

### UMDNJ - NEW JERSEY DENTAL SCHOOL

**NJDS - PRE-DOC CLINIC DELIVERY EQUIPMENT (B-LEVEL)**

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<th>LOCATION:</th>
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<tbody>
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**General:**

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

The current clinical delivery systems for patient care were installed in 1976. Upgrades and replacement parts are no longer available from the manufacturer. Our recent accreditation site visit report contained a suggestion that these upgrades be completed. Without these upgrades, the Dental School will not meet current accreditation standards.
University of Medicine and Dentistry

Agency Capital Budget Request

<table>
<thead>
<tr>
<th></th>
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UMDNJ - NEW JERSEY DENTAL SCHOOL

A-LEVEL STERILIZATION UNITS/RECORD ROOM

LOCATION: NEWARK CAMPUS

Dept Priority: 1
Project ID: 75B231
Project Type Code: D02 Project Type Description: Acquisition-Equipment

| General:   | $5,700 | $0 | $0 | $0 | $0 |
| Sub-Total: | $5,700 | $0 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

Sterilization Units are original with the building (1976). Current maintenance contracts are expensive and unit down time is more frequent. New sterilization equipment will be installed in A-Level of the new NJDS Oral Health Pavilion. In addition to sterilization, a new Patient Records Room will be installed to provide a patient charts retention area.

UMDNJ - NEW JERSEY DENTAL SCHOOL

SPECIAL SERVICES CLINIC

LOCATION: NEWARK CAMPUS

Dept Priority: 1
Project ID: 75B232
Project Type Code: D02 Project Type Description: Acquisition-Equipment

| General:   | $5,150 | $0 | $0 | $0 | $0 |
| Sub-Total: | $5,150 | $0 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

Existing facilities are 25 or more years old. Replacement parts can no longer be obtained from the manufacturers.

UMDNJ - NEW JERSEY DENTAL SCHOOL

PRE-CLINIC LABORATORY/SUPPORT LABS

LOCATION: NEWARK CAMPUS

Dept Priority: 1
Project ID: 75B233
Project Type Code: D02 Project Type Description: Acquisition-Equipment

| General:   | $5,150 | $0 | $0 | $0 | $0 |
| Sub-Total: | $5,150 | $0 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

Existing Pre-Clinic Lab and Support Labs are 12 & 25 years old. Upgrades and replacement parts are no longer available from the manufacturers.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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#### UMDNJ - NEW JERSEY DENTAL SCHOOL

**POST-DOC CLINIC DELIVERY EQUIPMENT**

**LOCATION:** NEWARK CAMPUS

- **Dept Priority:** 1
- **Project ID:** 75B234
- **Project Type Code:** D02  
  **Project Type Description:** Acquisition-Equipment

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Current Post-DOC Clinical Delivery System for patient care was installed in 1976. Upgrades and replacement parts are no longer available from the manufacturers.

#### UMDNJ - NEW JERSEY DENTAL SCHOOL

**FIT-OUT B-LEVEL ORAL HEALTH PAVILION**

**LOCATION:** NEWARK CAMPUS DENTAL SCHOOL

- **Dept Priority:** 1
- **Project ID:** 75B519
- **Project Type Code:** E03  
  **Project Type Description:** Construction-Renovations and Rehabilitation

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Fit out the B-Level of the New Jersey Dental School for use as a conference center/student use area.

#### UMDNJ - NEW JERSEY DENTAL SCHOOL

**C-LEVEL ORAL HEALTH PAVILLON CLINICS**

**LOCATION:** 12TH AVE.ORAL HEALTH PAVILLON

- **Dept Priority:** 1
- **Project ID:** 75B528
- **Project Type Code:** E02  
  **Project Type Description:** Construction-New

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

The New Jersey Dental School expansion will provide additional operations in its undergraduate program. Original continuation of C-Level was delayed due to lack of funding.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST</th>
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<td>FY - 2010</td>
<td>FY - 2011</td>
<td>FY 2012 - 2015</td>
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**UMDNJ - NEW JERSEY DENTAL SCHOOL**

CLINICAL/FINANCIAL INFORMATION SYSTEM
LOCATION: NEWARK CAMPUS
Dept Priority 1
Project ID: 75B683
Project Type Code: D03 Project Type Description: Acquisition-Computer Equipment & Systems

| General | $1,860 | $1,860 | $0 | $0 | $0 |
| Sub-Total | $1,860 | $1,860 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

Existing Clinical/Financial system was developed in-house over five years ago. In-house system was developed at a time when no commercial packages existed to satisfy the needs of the majority of dental schools. At this point, there are several commercial packages that will satisfy our clinical/financial needs: Patient Tracking, Student Tracking, Billing, Aging Reports, Patient Scheduler and Digital Radiography.

**UMDNJ - NEW JERSEY DENTAL SCHOOL**

CENTER FOR ADVANCED CLINICAL TECHNOLOGY
LOCATION: NEWARK CAMPUS
Dept Priority 1
Project ID: 75B684
Project Type Code: E02 Project Type Description: Construction-New

| General | $3,350 | $0 | $0 | $0 |
| Sub-Total | $3,350 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

New Jersey Dental School proposes the development of a Center for Advanced Clinical Technology. This Center will serve as the home base for all activities related to advanced clinical technology, including implant therapy; CAD/CAM technology such as Procera; and other new emerging technologies. The Center will enable both UMDNJ-NJDS pre-doctoral and post-doctoral students to gain a hands-on clinical experience using these new materials and methods, as well as serve as a facility for providing hands-on continuing education.

**UMDNJ - NEW JERSEY DENTAL SCHOOL**

FACILITY EQUIPMENT REPAIR SHOP
LOCATION: NEWARK CAMPUS
Dept Priority 1
Project ID: 75B685
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

| General | $260 | $0 | $260 | $0 |
| Sub-Total | $260 | $0 | $260 | $0 |

Operating Impact: Increase: $0 Decrease: $0

Currently, we use a common hallway as our Dental Mechanical Shop. It is approximately 10 feet by 12 feet, much too small to complete our repair work. The entrance to an electrical switch gear room is inside of our shop, therefore we can not lock the shop. Ideally, we need a space approximately 20 feet by 20 feet. Our parts would be stored on several shelves with bins, so we could maintain an inventory and set reorder points. We would need 2 workbenches with storage above and below, a drill press, vise and grinder, compressed (drive) hot air, hot and cold water, vacuum and natural gas.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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**UMDNJ - NEW JERSEY DENTAL SCHOOL**

**STUDENT LEARNING CENTER**

LOCATION: NEWARK CAMPUS

Dept Priority: 1
Project ID: 75B686
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

General: $155
Sub-Total: $155

**Operating Impact:** Increase: $0 Decrease: $0

The New Jersey Dental School is housed in a 30-year-old building with limited space and facilities. While the School has recently opened three new lecture halls, there is no dedicated quiet space for students to learn and study. Although some study space is available in the George Smith Library, it is not adequate for the student body. A separate, dedicated space suitable to accommodate students is required to maximize the potential of students to achieve.

**UMDNJ - NEW JERSEY DENTAL SCHOOL**

**NJDS LECTURE HALL RENOVATION**

LOCATION: NEWARK CAMPUS

Dept Priority: 1
Project ID: 75B687
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

General: $1,030
Sub-Total: $1,030

**Operating Impact:** Increase: $0 Decrease: $0

Lecture Halls are original to when the building was first constructed in 1976. Seating, lighting, audio and visual are in much need of upgrading to support existing academic pre-doctoral didactic education.

**UMDNJ - NEW JERSEY DENTAL SCHOOL**

**EXTRAMURAL CLINIC-UPGRADES**

LOCATION: STRATFORD-SOMMERDALE PLAZA

Dept Priority: 1
Project ID: 75B805
Project Type Code: E02 Project Type Description: Construction-New

General: $750
Sub-Total: $750

**Operating Impact:** Increase: $0 Decrease: $0

Clinic facilities and delivery systems are approximately 17 years old. Chairs, lights and operatories are in need of replacement. Replacement of parts and repairs are occurring more frequently due to age and use.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

<table>
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<tr>
<td>7 YR PROG</td>
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**UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS**

**DISTANCE EDUCATION ACCESS**

LOCATION: NEWARK CAMPUS - SSB

Dept Priority: 1  
Project ID: 75B291  
Project Type Code: D02  
Project Type Description: Acquisition-Equipment

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Expansion and enhancement to access distance education. Equipment will include video capture editing and streaming capacity, content module software, significantly larger server and on-line course management and delivery.

---

**UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS**

**PORTABLE METABOLIC CART**

LOCATION: NEWARK-SSB BUILDING

Dept Priority: 1  
Project ID: 75B801  
Project Type Code: D02  
Project Type Description: Acquisition-Equipment

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The metabolic cart is a physiologic device that measures objectively the oxygen consumption during exercise, the energy expenditure at rest and during exercise, the resting metabolic rate of a person, and many of the pulmonary function values for the lung. This piece of equipment can be used in the two physical therapy labs as well as for the nutrition department and CAM in their research projects. It is also used as a teaching tool comparing predicted values of exercise to the objectively measured values of the cart, demonstrating how predicted values can either be over or under significantly from what is obtained objectively. This can then cause no progress in the patient or can be harmful to the patient.

---

**UMDNJ - SCHOOL OF NURSING**

**SCHOOL OF NURSING BUILDING-NEWARK**

LOCATION: NEWARK CAMPUS

Dept Priority: 1  
Project ID: 75B508  
Project Type Code: E02  
Project Type Description: Construction-New

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The School of Nursing is in critical need to have its own building in order to provide sufficient space to accommodate its existing and planned academic programs, state-of-art learning laboratories and classroom facilities, research space, clinical practice space, faculty and administrative offices, and space to house various School of Nursing's Centers. The current space in the SSB Building is no longer adequate for its existing program needs and future growth. The need for space has reached crisis proportions and constitutes a serious program development inhibitor, constraining the School's ability to increase enrollment, develop new, needed academic and clinical programs and expand the research programs of the School.
**University of Medicine and Dentistry**

**Agency Capital Budget Request (000's)**

<table>
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<th>TOTAL COST 7 YR PROG</th>
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<th>REQUESTED FY - 2010</th>
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<tr>
<td>COMPUTER LAB, V-TEL &amp; CLASSROOM UPGRADE-STRATFORD</td>
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The computer lab, V-Tel room and classrooms at the Stratford campus need to be upgraded in order to provide adequate technical support and to enhance campus resources for the continuing growth of the academic programs at the Stratford campus: the Accelerated BSN program, MSN program and DNP program. Smart classrooms with updated AV systems and videoconferencing are essential tools for cost efficiency, quality of learning, collaboration processes and to the overall success of the programs.

**UMDNJ - GRADUATE SCHOOL OF BIOMEDICAL SCIENCES**

**GSBS-STANLEY S. BERGEN, JR. BUILDING RENOVATIONS**

LOCATION: NEWARK CAMPUS - SSB

Dept Priority 1

Project ID: 75B015

Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

| General: | $110 | $110 | $0 | $0 | $0 |
| Sub-Total: | $110 | $110 | $0 | $0 | $0 |
| Operating Impact: Increase: $0 Decrease: $0 |

To provide 3,600 square feet of renovated classroom space in the Stanley S. Bergen, Jr. Building and to provide space for the relocation of the Deans Office from the Administrative Complex.

**UMDNJ - SCHOOL OF PUBLIC HEALTH**

**NEW SCHOOL OF PUBLIC HEALTH BUILDING**

LOCATION: PISCATAWAY CAMPUS

Dept Priority 1

Project ID: 75B650

Project Type Code: E02 Project Type Description: Construction-New

| General: | $87,150 | $9,450 | $13,650 | $13,650 | $50,400 |
| Sub-Total: | $87,150 | $9,450 | $13,650 | $13,650 | $50,400 |
| Operating Impact: Increase: $0 Decrease: $0 |

To construct a 150,000 square foot building including 8,000 square feet for a Tobacco Dependence Clinic and Occupational Health Clinic, 36,000 square feet for 30 wet labs, 2,000 square feet for a 200 seat auditorium, 40,000 square feet for the Office of Public Health Practice and the Center for Public Health Preparedness which will house larger hands-on training rooms and self-contained breathing apparatus and protective suits, and 64,000 square feet for classrooms, dry labs, offices and cubicles.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
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#### UMDNJ - UNIVERSITY HOSPITAL

**UNIVERSITY HOSPITAL UPGRADES**  
**LOCATION:** NEWARK CAMPUS

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**Operating Impact:**  
**Increase:** $0  
**Decrease:** $0

Due to the age of our facility and equipment, as well as the rate of technology, University Hospital has estimated that $5 million per year will be needed for minor building renovations, and approximately $15 million per year will be necessary for capital equipment replacement.

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**RWJMS-INFORMATION TECHNOLOGY INFRASTRUCTURE**  
**LOCATION:** PISCATAWAY CAMPUS

<table>
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**Operating Impact:**  
**Increase:** $0  
**Decrease:** $0

Changes in the curriculum and expansion of lectures, seminars and workshops across all three campuses of the RWJMS and the advances in audiovisual and computing technologies require that we expand, upgrade and replace equipment to meet these increasing demands to support education, research and clinical care.

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**RWJMS-BASIC & CLINICAL SCIENCE RESEARCH EQUIPMENT**  
**LOCATION:** PISCATAWAY/NEW BRUNSWICK

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**Operating Impact:**  
**Increase:** $0  
**Decrease:** $0

RWJMS departments in both the Basic and Clinical Sciences are in the need of research equipment in support of the School's and University's research mission and goals. This equipment will support each department's research objectives, support new faculty recruitment and faculty retention and enhance the opportunity to attract extramural funding.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
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</table>

UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY
Core Facilities Equip. - Pisc. & New Brunswick Campus

Location: Pisc. & New Brunswick Campus

Dept Priority 1
Project ID: 75B261
Project Type Code: D02 Project Type Description: Acquisition-Equipment

| General:   | $11,000 | $3,500 | $2,500 | $2,500 | $2,500 |
| Sub-Total: | $11,000 | $3,500 | $2,500 | $2,500 | $2,500 |

Operating Impact: Increase: $0 Decrease: $0

Essential to the growth of the research and clinical enterprises at RWJMS is the establishment and expansion of state-of-the-art core facilities. These cores include: Proteomics Core, Imaging Core, Transgenic Core, Electron Microscopy Core, Good Manufacturing Practice Core, General Clinical Research Center Core and Chemical Biology Core. These cores will provide services such as manufacturing of pharmaceutical and biotherapeutic agents for testing new drugs in patients; electron, multiphoton and confocal capabilities to image cells; development of transgenic animals for use in scientific experiments; and the ability for protein and DNA analysis.

UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY
Expansion of the Clinical Academic Bldg.-New Bruns

Location: New Brunswick Campus

Dept Priority 1
Project ID: 75B266
Project Type Code: E02 Project Type Description: Construction-New

| General:   | $25,000 | $12,500 | $12,500 | $0 | $0 |
| Sub-Total: | $25,000 | $12,500 | $12,500 | $0 | $0 |

Operating Impact: Increase: $899 Decrease: $0

Robert Wood Johnson Medical School is developing a planning process to look at adding approximately 50,000 sq. ft. to the Clinical Academic Building in New Brunswick. Additional clinical and academic space is needed to support clinical department expansion. A rough estimate of the costs to construct this expansion is approximately $25,000,000.

UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY
RWJMS - Vivarium Equipment

Location: Piscataway Campus

Dept Priority 1
Project ID: 75B384
Project Type Code: D02 Project Type Description: Acquisition-Equipment

| General:   | $6,000 | $2,000 | $2,000 | $1,000 | $1,000 |
| Sub-Total: | $6,000 | $2,000 | $2,000 | $1,000 | $1,000 |

Operating Impact: Increase: $0 Decrease: $0

Replacement of equipment will enable the current vivariums in Piscataway and New Brunswick to meet the increasing needs of the School's researchers. In addition, funds are required to support vivarium equipment in both the Research Tower on the Piscataway Campus as well as the vivarium within the new Child Health Institute of New Jersey and the Stem Cell Institute of New Jersey.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**RENOVATION RES. TOWER/KESSLER RES. LABS**

**LOCATION:** PISCATAWAY CAMPUS

<table>
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<th>Dept Priority</th>
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<tbody>
<tr>
<td>Project ID</td>
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<td>E03</td>
</tr>
<tr>
<td>Project Type Description</td>
<td>Construction-Renovations and Rehabilitation</td>
</tr>
</tbody>
</table>

| General | $15,000 | $3,750 | $3,750 | $3,750 | $3,750 |
| Sub-Total | $15,000 | $3,750 | $3,750 | $3,750 | $3,750 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

The Research Tower and Kessler Research Labs on the Piscataway campus of RWJMS was built in 1966 and only limited areas of the building have been renovated since that time. As changes in science require a more sophisticated infrastructure to support the research, and as time has taken its toll on the operational capabilities of the building and the animal facility, it is imperative that the research tower be renovated to meet these needs. Laboratories on all eight floors of the building must be renovated and the three lecture halls that support the teaching of the first two years of medical school must be made state-of-the-art.

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**RWJ LIBRARY EXPANSION AND RENOVATION**

**LOCATION:** RWJ LIBRARY (MED. EDUC. BLDG.)

<table>
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<tr>
<th>Dept Priority</th>
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<tr>
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<td>E02</td>
</tr>
<tr>
<td>Project Type Description</td>
<td>Construction-New</td>
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</tbody>
</table>

| General | $1,650 | $1,650 | $0 | $0 | $0 |
| Sub-Total | $1,650 | $1,650 | $0 | $0 | $0 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

The UMDNJ Robert Wood Johnson Library in New Brunswick serves the information access needs of the entire New Brunswick campus. The RWJ Library’s user group has increased significantly and cannot be accommodated by the existing 7,500 square feet structure currently in place. This project will expand the Library by 25% through the inclusion of an adjoining room, outside building walkways, and the construction of a 24-hour computer room in the MEB lobby. In addition, the redesign and renovation of the existing space is proposed.

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**UPGRADE/RENOVATION OF THE RESEARCH ANNEX**

**LOCATION:** PISCATAWAY CAMPUS

<table>
<thead>
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<tr>
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<td>Project Type Description</td>
<td>Construction-Renovations and Rehabilitation</td>
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</table>

| General | $2,000 | $1,000 | $1,000 | $0 | $0 |
| Sub-Total | $2,000 | $1,000 | $1,000 | $0 | $0 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

The Research Annex building on the Piscataway campus will be used to house current and developing core facilities that will support the research environment. Renovations will be necessary to accommodate high-end technologies, to provide state-of-the-art laboratory space, and to support infrastructure upgrades.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

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<tr>
<td><strong>7 YR PROG</strong></td>
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<td><strong>(000's)</strong></td>
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#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**RENOVATION OF ACADEMIC/CLINICAL SPACE-MEB**

**LOCATION:** NEW BRUNSWICK

- **Dept Priority:** 1
- **Project ID:** 75B691
- **Project Type Code:** E03  
  **Project Type Description:** Construction-Renovations and Rehabilitation

| General | $12,000 | $3,000 | $3,000 | $3,000 | $3,000 |
| Sub-Total | $12,000 | $3,000 | $3,000 | $3,000 | $3,000 |

**Operating Impact:**  
- **Increase:** $0  
- **Decrease:** $0

Renovation of academic and clinical space at RWJMS-Medical Education Building in New Brunswick is required to bring to state-of-the-art in order to facilitate new science and technologies and patient services.

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**UPGRADE/RENOVATION OF THE RWJMS LECTURE HALLS**

**LOCATION:** PISCATAWAY/NEW BRUNSWICK

- **Dept Priority:** 1
- **Project ID:** 75B692
- **Project Type Code:** E03  
  **Project Type Description:** Construction-Renovations and Rehabilitation

| General | $6,500 | $0 | $0 | $0 | $0 |
| Sub-Total | $6,500 | $0 | $0 | $0 | $0 |

**Operating Impact:**  
- **Increase:** $0  
- **Decrease:** $0

The three lecture halls on the Piscataway campus are in need of major upgrades in order to accommodate the new technologies required for a modern learning environment, to enhance the audio-visual capabilities, to replace the worn carpeting and seating, and to make the halls handicapped accessible.

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**STORAGE AREA NETWORK (SAN)**

**LOCATION:** PISCATAWAY/NEW BRUNS./CAMDEN

- **Dept Priority:** 1
- **Project ID:** 75B695
- **Project Type Code:** D03  
  **Project Type Description:** Acquisition-Computer Equipment & Systems

| General | $10,000 | $4,000 | $1,000 | $1,000 | $4,000 |
| Sub-Total | $10,000 | $4,000 | $1,000 | $1,000 | $4,000 |

**Operating Impact:**  
- **Increase:** $0  
- **Decrease:** $0

The development of collaborative opportunities leading to translational research requires an environment that supports access to the data centrally. Furthermore, bioinformatics assets need to be located near data pools in order to carry out calculations quickly and with minimal impact on the network environment. These pools should be strategically placed at each campus in order to maximize local performance and minimize unnecessary network traffic.
University of Medicine and Dentistry

Agency Capital Budget Request

|------------|---------------------|---------------------|---------------------|-------------------------|

**CHANDLER HEALTH CENTER**

**ERIC B. CHANDLER HEALTH CENTER - NEW BRUNSWICK**

**LOCATION:** NEW BRUNSWICK CAMPUS

Dept Priority: 1  
Project ID: 75B268  
Project Type Code: E02  
Project Type Description: Construction-New

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<th>$12,500</th>
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<td>$12,500</td>
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**Operating Impact:**  
Increase: $899  
Decrease: $0

The Eric B. Chandler Health Center is a federally qualified health center run by the Robert Wood Johnson Medical School. The Center provides care for indigent patients and provides important educational experiences for medical students and residents. Patient visits have increased to the point whereby the Center has outgrown its current facility. A new facility will enable the center to meet the patient demand and allow the Center to more efficiently deliver care to its patients and educational experiences to its students and residents. The new facility will be 50,000 sq. ft. and a rough estimate of the cost is approximately $25,000,000.

**CHANDLER HEALTH CENTER**

**RENOVATIONS TO CHANDLER HEALTH CTR.-PATIENT SAFETY**

**LOCATION:** NEW BRUNSWICK

Dept Priority: 1  
Project ID: 75B810  
Project Type Code: E03  
Project Type Description: Construction-Renovations and Rehabilitation

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The current Chandler Health Center’s mechanical and structural systems are decades old and beyond repair. The entire roof needs to be replaced as well as the need to replace the air conditioning chiller units. In addition to the above general building repairs, floors, walls, patient treatment rooms need to be addressed. All of the above have a direct impact on patient safety at this health center.

**UMDNJ - UNIV BEHAVIORAL HEALTH CNTR - PISCATAWAY**

**151 CENTENNIAL AVENUE - CHILLERS**

**LOCATION:** PISCATAWAY CAMPUS

Dept Priority: 1  
Project ID: 75B209  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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**Operating Impact:**  
Increase: $10  
Decrease: $0

Replacement of chillers at 151 Centennial Avenue.
## University of Medicine and Dentistry

### Agency Capital Budget Request

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<tr>
<th>Total Cost 7 Yr Prog</th>
<th>Requested FY - 2009</th>
<th>Requested FY - 2010</th>
<th>Requested FY - 2011</th>
<th>Requested FY 2012 - 2015</th>
</tr>
</thead>
</table>

### UMDNJ - UNIV BEHAVIORAL HEALTH CNTR - PISCATAWAY
151 CENTENNIAL AVENUE - ROOF
LOCATION: PISCATAWAY CAMPUS

Dept Priority: 1  
Project ID: 75B210  
Project Type Code: A04  
Project Type Description: Preservation-Roofs & Moisture Protection

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### Operating Impact: Increase: $35  Decrease: $0

Replacement of roof at 151 Centennial Avenue.

### UMDNJ - UNIV BEHAVIORAL HEALTH CNTR - PISCATAWAY
REPLACE WINDOWS AND DOORS ON THE INPATIENT UNIT
LOCATION: PISCATAWAY CAMPUS

Dept Priority: 1  
Project ID: 75B497  
Project Type Code: A03  
Project Type Description: Preservation-Critical Repairs

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### Operating Impact: Increase: $0  Decrease: $0

Replacement of Inpatient windows and doors.

### SCHOOL OF OSTEOPATHIC MEDICINE
ELECTRONIC MEDICAL RECORD
LOCATION: STRATFORD-REMOTE SITE PRACT.

Dept Priority: 1  
Project ID: 75B280  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

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<td>$813</td>
<td>$650</td>
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</table>

### Operating Impact: Increase: $0  Decrease: $0

Expand existing GE Healthcare EMR for the entire Faculty Practice Plan.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

|-------------|----------------------|----------------------|----------------------|--------------------------|

### SCHOOL OF OSTEOPATHIC MEDICINE

**Expansion Project/University Pain Care Center**

**Dept Priority**: 1  
**Project ID**: 75B577  
**Project Type Code**: E03  
**Project Type Description**: Construction-Renovations and Rehabilitation

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<td>$0</td>
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</table>

**Operating Impact**:  
**Increase**: $55  
**Decrease**: $0

Move administrative offices in the Pain Care Center, 9 offices to another area. Those offices would be turned into exam rooms. We would need plumbing in all exam rooms with tile flooring. HVAC might need to be changed also.

### SCHOOL OF OSTEOPATHIC MEDICINE

**Confocal Microscope**

**Dept Priority**: 1  
**Project ID**: 75B585  
**Project Type Code**: D02  
**Project Type Description**: Acquisition-Equipment

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**Operating Impact**:  
**Increase**: $0  
**Decrease**: $0

The majority of faculty from both basic science departments utilize antibody-based as well as other probes to analyse intracellular biology. This microscope allows for a much higher resolution of intracellular processes. This microscope will be applicable to a number of federally funded projects within SOM’s Basic Science Departments.

### SCHOOL OF OSTEOPATHIC MEDICINE

**Classroom Addition to Academic Center**

**Dept Priority**: 1  
**Project ID**: 75B655  
**Project Type Code**: E02  
**Project Type Description**: Construction-New

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<thead>
<tr>
<th>General</th>
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<td>$0</td>
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**Operating Impact**:  
**Increase**: $0  
**Decrease**: $0

New construction of addition to Academic Center including multiple lecture halls, medium and small classrooms and ancillary support areas to accommodate increases in class size.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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SCHOOL OF OSTEOPATHIC MEDICINE
MALD-TOF FACILITY
LOCATION: SCIENCE CTR.-STRATFORD CAMPUS
Dept Priority 1
Project ID: 75B656
Project Type Code: D02 Project Type Description: Acquisition-Equipment

General: $500 $500 $0 $0 $0
Sub-Total: $500 $500 $0 $0 $0

Operating Impact: Increase: $0 Decrease: $0

This facility will include MALD-TOF and electrospray mass spectrometry, microanalytical HPLC, 2-D gel automatic electrophoresis systems, and microarray modes. The facility will be used by a number of investigators for identification of peptides and other biopolymers derived from proteins and protein-nucleic acid complexes. The instruments will be used by a number of investigators housed in the Science Center. These capabilities are essential for the performance of a number of projects currently underway, or being contemplated for outside funding. In addition, it is essential to have these capabilities in order to stay ahead of current research.

SCHOOL OF OSTEOPATHIC MEDICINE
MD DICTATE
LOCATION: STRATFORD CAMPUS-UDP
Dept Priority 1
Project ID: 75B821
Project Type Code: D03 Project Type Description: Acquisition-Computer Equipment & Systems

General: $9 $9 $0 $0 $0
Sub-Total: $9 $9 $0 $0 $0

Operating Impact: Increase: $0 Decrease: $9

MD Dictate and Dragon Naturally Speaking System for voice-activated dictation with coding.

SCHOOL OF OSTEOPATHIC MEDICINE
EXISTING OFFICE RENOVATION-UDP
LOCATION: STRATFORD CAMPUS-UDP
Dept Priority 1
Project ID: 75B829
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

General: $25 $25 $0 $0 $0
Sub-Total: $25 $25 $0 $0 $0

Operating Impact: Increase: $0 Decrease: $0

Improve existing clinical and academic office.
University of Medicine and Dentistry

Agency Capital Budget Request

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<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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**UNIVERSITY WIDE**

**FACILITIES RENEWAL**

LOCATION: UNIVERSITY WIDE

Dept Priority 1

Project ID: 75B238

Project Type Code: A06  Project Type Description: Preservation-Other

| General:  | $127,637 | $23,091 | $19,091 | $17,091 | $68,364 |
| Sub-Total: | $127,637 | $23,091 | $19,091 | $17,091 | $68,364 |

Operating Impact: Increase: $0  Decrease: $0

The Commission on Higher Education requests capital renewal funds for each of the State colleges and universities. This request is based on a formula that assumes a need, annually, to allocate at least 2.25% of the value of the gross square footage of academic facilities to capital renewal and replacement.

**UNIVERSITY WIDE**

**TECHNOLOGY AND TELECOMMUNICATIONS**

LOCATION: UNIVERSITY WIDE

Dept Priority 1

Project ID: 75B633

Project Type Code: D03  Project Type Description: Acquisition-Computer Equipment & Systems

| General:  | $60,000 | $30,000 | $15,000 | $15,000 | $0 |
| Sub-Total: | $60,000 | $30,000 | $15,000 | $15,000 | $0 |

Operating Impact: Increase: $0  Decrease: $0

UMDNJ requires university-wide systems and application projects and hardware and software infrastructure. Projects include telecommunication upgrades for wiring on the Newark campus, PBX system replacements on the central and southern campuses, and server replacements in the data center. Security upgrades would include the implementation of greater perimeter security along with a provisioning system for the positive identification and security authorization of faculty, staff, students and temporary constituents such as contract workers, consultants, agency nurses, etc.

**UNIVERSITY WIDE**

**REPLACE EMERGENCY GENERATOR**

LOCATION: UNION COUNTY COLLEGE

Dept Priority 1

Project ID: 75B763

Project Type Code: A01  Project Type Description: Preservation-Electrical

| General:  | $400 | $400 | $0 | $0 | $0 |
| Sub-Total: | $400 | $400 | $0 | $0 | $0 |

Operating Impact: Increase: $0  Decrease: $0

Existing generator has failed and is no longer operational. This generator must be replaced to meet regulatory compliance.
University of Medicine and Dentistry

Agency Capital Budget Request

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<tr>
<td>7 YR PROG</td>
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<tr>
<td>$4,200</td>
<td>$3,500</td>
<td>$700</td>
<td>$0</td>
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**UNIVERSITY WIDE**

**RENOVATE SSB 8TH FLOOR**

LOCATION: NEWARK CAMPUS-SSB 8TH FLOOR

Dept Priority 1  
Project ID: 75B806  
Project Type Code: E03  
Project Type Description: Construction-Renovations and Rehabilitation

General: $4,200  
Sub-Total: $4,200

Operating Impact: Increase: $0  
Decrease: $0

Renovate the 8th floor of the Stanley S. Bergen, Jr. Building for offices.

**UNIVERSITY WIDE**

**POLICY-RELATED INFORMATION MGMT. SYSTEM**

LOCATION: UNIVERSITY-WIDE

Dept Priority 1  
Project ID: 75B840  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

General: $230  
Sub-Total: $230

Operating Impact: Increase: $0  
Decrease: $0

Policy-related Information Management Systems (PIMS). Procure, install and maintain a software product to effectively and efficiently manage the complete cycle of creation, distribution, publication, education and enforcement of institutional policies and procedures.

**UNIVERSITY WIDE**

**TRAINING MANAGEMENT SYSTEM**

LOCATION: UNIVERSITY-WIDE

Dept Priority 1  
Project ID: 75B841  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

General: $200  
Sub-Total: $200

Operating Impact: Increase: $0  
Decrease: $0

Process improvement of the existing training and development department. Purchase a web-based product to roll out to the units and employees.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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<td>7 YR PROG</td>
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PHYSICAL PLANT - NEWARK

REFURBISH CB BOILER #3
LOCATION: NEWARK CAMPUS

Dept Priority: 1
Project ID: 75B402
Project Type Code: A02 Project Type Description: Preservation-HVAC

Operating Impact:
Increase: $0
Decrease: $0

Retrofit/refurbish CB Boiler #3. Main boilers #1 and #2 have been refurbished. This will complete main boiler refurbishment and provide redundancy for steam production, required for both heating and cooling systems campus wide.

PHYSICAL PLANT - NEWARK

REPLACE ELECTRICAL EMERGENCY TRANSFER SWITCHES
LOCATION: NEWARK CAMPUS

Dept Priority: 1
Project ID: 75B403
Project Type Code: A01 Project Type Description: Preservation-Electrical

Operating Impact:
Increase: $0
Decrease: $0

Replace emergency transfer switches feeding UH, MSB, DS, Library, Norfolk Deck and Power Plant. Existing emergency transfer switches are over 35 years old and are not supported by the manufacturer. Failure would cause a loss of power to all emergency electrical service.

PHYSICAL PLANT - NEWARK

REPLACE MAIN DISTRIBUTION SWITCHGEAR
LOCATION: NEWARK CAMPUS

Dept Priority: 1
Project ID: 75B404
Project Type Code: A01 Project Type Description: Preservation-Electrical

Operating Impact:
Increase: $0
Decrease: $0

Replace Campus Main Distribution Switchgear, Including 26,400 Volt Air Blast Circuit Breakers And Tie Switch - All of this equipment is over 35 years old and the manufacturer (GE) no longer supports this equipment with parts or service. New main switchgear will separate campus electric distribution into three parts: Library Vault, Dental Vault and BHSB/Cancer Center/Ambulatory Care Center Vault. Failure of this switchgear would cause a loss of electrical power to the Newark campus.
### University of Medicine and Dentistry

**Agency Capital Budget Request (000's)**

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#### PHYSICAL PLANT - NEWARK

**UPGRADE 3 COGENERATION WASTE HEAT BOILERS**

- **LOCATION:** NEWARK
- **Dept Priority:** 1
- **Project ID:** 75B405
- **Project Type Code:** A02  **Project Type Description:** Preservation-HVAC

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**General:**

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Refurbish/upgrade existing cogeneration waste heat boilers. These boilers (3) are degraded due to age. Refurbishment is required to provide design steam production.

#### PHYSICAL PLANT - NEWARK

**UPGRADE EXISTING COOLING TOWERS AND CHILLER**

- **LOCATION:** NEWARK CAMPUS
- **Dept Priority:** 1
- **Project ID:** 75B406
- **Project Type Code:** A02  **Project Type Description:** Preservation-HVAC

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $300

Upgrade existing cooling towers. Existing equipment is over 30 years old and has exceeded its serviceable life. Existing towers have several failed sections which severely limit campus cooling.

#### PHYSICAL PLANT - NEWARK

**SMOKE STACK PAINTING**

- **LOCATION:** NEWARK-POWER PLANT
- **Dept Priority:** 1
- **Project ID:** 75B439
- **Project Type Code:** A02  **Project Type Description:** Preservation-HVAC

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Power Plant smoke stacks are rusting and must be painted to prevent further deterioration. Failure to perform this work could compromise smoke stack integrity, limiting Cogeneration operations.
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<tbody>
<tr>
<td>ELECTRONIC METERING AND REPORTING</td>
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Install meters for all campus buildings to report real-time usage of high temperature water, chilled water and electricity.

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<tbody>
<tr>
<td>REFURBISH STEAM DRIVEN CHILLERS</td>
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</table>
Existing steam driven chillers are over 35 years old and require refurbishment to maintain operational status.

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<tbody>
<tr>
<td>DEAERATOR TANK RETROFIT</td>
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<tr>
<td>LOCATION: NEWARK-POWER PLANT</td>
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<td>Operating Impact: Increase: $0</td>
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</table>
The Deaerator (DA) Tank is 32 years old and has exceeded its serviceable life. It requires constant maintenance. Failure would cause a loss of boiler water for heating and cooling (steam turbine chillers) applications.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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<tbody>
<tr>
<td>PHYSICAL PLANT - NEWARK</td>
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</table>

NEW OPERATORS CONTROL ROOM
LOCATION: NEWARK-POWER PLANT
Dept Priority 1
Project ID: 75B444
Project Type Code: A02 Project Type Description: Preservation-HVAC

| General | $350 | $0 | $350 | $0 | $0 |
|         |      |    |      |    |    |
| Sub-Total | $350 | $0 | $350 | $0 | $0 |

Operating Impact: Increase: $0, Decrease: $0
Install new operators room in central location in Power Plant to provide visual contact for all plant operations and a centralized reporting station for all operators. This would consolidate 3 existing stations into one for safety and efficiency.

PHYSICAL PLANT - NEWARK

EQUIPMENT CONTROLS UPGRADES AND REPLACEMENT
LOCATION: NEWARK-POWER PLANT
Dept Priority 1
Project ID: 75B445
Project Type Code: A02 Project Type Description: Preservation-HVAC

| General | $150 | $0 | $0 | $0 | $0 |
|         |      |    |    |    |    |
| Sub-Total | $150 | $0 | $0 | $0 | $0 |

Operating Impact: Increase: $0, Decrease: $0
Metasys Controls Upgrade and Replacement - Control lines are 13 years old and have exceeded their serviceable life. The Metasys Controls System must be upgraded to digital to assure continued operation and reliability of the Power Plant. Failure would result in disruption of campus utility services and increased operating costs.

PHYSICAL PLANT - NEWARK

SPRINKLER INSTALLATION
LOCATION: NEWARK-POWER PLANT
Dept Priority 1
Project ID: 75B447
Project Type Code: B02 Project Type Description: Compliance-Fire Safety

| General | $500 | $500 | $0 | $0 | $0 |
|         |      |      |    |    |    |
| Sub-Total | $500 | $500 | $0 | $0 | $0 |

Operating Impact: Increase: $0, Decrease: $4
Install sprinklers in offices, storage areas, generator areas, gas compressor area, etc. Failure to perform this work compromises life/safety.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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<th>REQUESTED FY - 2011</th>
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#### PHYSICAL PLANT - NEWARK

**Cooling Tower Replacement**

- Dept Priority: 1
- Project ID: 75B448
- Project Type Code: A02
- Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0, Decrease: $50

Cooling Tower Replacement on J Level - Necessary to meet building codes and conservation of water. The cooling towers and piping system is 30 years old and currently inoperable. Walk-in refrigerator boxes for research are currently being operated utilizing domestic water.

#### PHYSICAL PLANT - NEWARK

**Emergency Generator Retrofit**

- Dept Priority: 1
- Project ID: 75B450
- Project Type Code: A01
- Project Type Description: Preservation-Electrical

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**Operating Impact:** Increase: $0, Decrease: $0

Retrofit of these 35 year old emergency generators is required to maintain reliability. Failure of this system would cause a loss of emergency electric power for University Hospital, Medical Science Building, Dental School, Library and Norfolk Deck.

#### PHYSICAL PLANT - NEWARK

**Heat Exchanger Replacement**

- Dept Priority: 1
- Project ID: 75B452
- Project Type Code: A02
- Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0, Decrease: $0

Existing heat exchangers are 25 years old and have exceeded their serviceable life. Their current location makes them inaccessible for repairs. Failure would cause a loss of heat and hot water for the building.
University of Medicine and Dentistry

Agency Capital Budget Request

(000's)

<table>
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<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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</table>

**PHYSICAL PLANT - NEWARK**

**REPLACE/REFURBISH 25 AIR HANDLERS**

LOCATION: NEWARK-MED. SCIENCE BLDG.

Dept Priority 1

Project ID: 75B453

Project Type Code: A02  
Project Type Description: Preservation-HVAC

| General | $18,750 | $18,750 | $0 | $0 | $0 |
| Sub-Total | $18,750 | $18,750 | $0 | $0 | $0 |

**Operating Impact:**

*Increase:* $0  
*Decrease:* $0

Existing air handlers are over 35 years old and have exceeded their useful life. Many components are deteriorated beyond repair. Failure would cause a complete loss of HVAC for the areas served.

**PHYSICAL PLANT - NEWARK**

**REPLACE DOMESTIC WATER MAIN AND VALVES**

LOCATION: NEWARK-MED. SCIENCE BLDG.

Dept Priority 1

Project ID: 75B454

Project Type Code: F03  
Project Type Description: Infrastructure-Water Supply-State Facilities

| General | $750 | $750 | $0 | $0 | $0 |
| Sub-Total | $750 | $750 | $0 | $0 | $0 |

**Operating Impact:**

*Increase:* $0  
*Decrease:* $0

Replacement of galvanized and victolic water main piping and fittings, which have exceeded their serviceable life. There have been 3 failures on campus in recent history, one near catastrophic event due to electrolysis between the victolic and copper connections. In addition, the system requires zone valves to permit isolating the floors, if needed. Failure did and would compromise life/safety and cause major flooding, interruption of service and increased operational costs for research and education.

**PHYSICAL PLANT - NEWARK**

**REPLACE ACID WASTE NEUTRALIZATION SYSTEMS**

LOCATION: NEWARK-MED. SCIENCE BLDG.

Dept Priority 1

Project ID: 75B455

Project Type Code: A03  
Project Type Description: Preservation-Critical Repairs

| General | $250 | $250 | $0 | $0 | $0 |
| Sub-Total | $250 | $250 | $0 | $0 | $0 |

**Operating Impact:**

*Increase:* $0  
*Decrease:* $0

Replace Drain Waste and Vent Lines for 2 Acid Neutralization Systems - The drain, waste and vent piping serving these systems is 30 years old and has exceeded its serviceable life. Failure would disrupt service and increase operational cost due to required system repairs. There is also potential for contamination and Indoor Air Quality issues resulting from system leaks.
University of Medicine and Dentistry

Agency Capital Budget Request

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<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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PHYSICAL PLANT - NEWARK

INLET AIR FILTERS AND COOLING
LOCATION: NEWARK-POWER PLANT
Dept Priority 1
Project ID: 75B457
Project Type Code: A02 Project Type Description: Preservation-HVAC

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Operating Impact: Increase: $0 Decrease: $50

Huff and Puff Air Intake Filter Installation - Install Huff and Puff Filter System and Inlet Cooling on Cogeneration turbine air intakes.

PHYSICAL PLANT - NEWARK

FIRE ALARM SYSTEM REPLACEMENT
LOCATION: NEWARK-STANLEY S. BERGEN BLDG.
Dept Priority 1
Project ID: 75B458
Project Type Code: B02 Project Type Description: Compliance-Fire Safety

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Operating Impact: Increase: $0 Decrease: $0

The system has exceeded its serviceable life and is no longer supported by the manufacturer. Failure would compromise life/safety.

PHYSICAL PLANT - NEWARK

AIR HANDLER REPLACEMENT
LOCATION: NEWARK-STANLEY S. BERGEN BLDG.
Dept Priority 1
Project ID: 75B459
Project Type Code: A02 Project Type Description: Preservation-HVAC

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Operating Impact: Increase: $0 Decrease: $0

Air Handler Units No.3, No.4, No.5 and No.6 are 49 years old and have well exceeded their serviceable life. Failure would result in loss of cooling and ventilation, which would disrupt education and medical clinics.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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#### PHYSICAL PLANT - NEWARK

**HEAT EXCHANGER REPLACEMENT**

- **Dept Priority**: 1
- **Project ID**: 75B462
- **Project Type Code**: A02  
  **Project Type Description**: Preservation-HVAC

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**Operating Impact:**

- Increase: $0
- Decrease: $0

Replace/upgrade heat exchangers. Existing heat exchangers are over 35 years old and cannot meet the peak demands of the building.

#### PHYSICAL PLANT - NEWARK

**FIRE ALARM SYSTEM REPLACEMENT**

- **Dept Priority**: 1
- **Project ID**: 75B464
- **Project Type Code**: B02  
  **Project Type Description**: Compliance-Fire Safety

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**Operating Impact:**

- Increase: $0
- Decrease: $0

The system has exceeded its serviceable life and is no longer supported by the manufacturer. Failure would compromise life/safety.

#### PHYSICAL PLANT - NEWARK

**FIRE ALARM SYSTEM REPLACEMENT**

- **Dept Priority**: 1
- **Project ID**: 75B465
- **Project Type Code**: B02  
  **Project Type Description**: Compliance-Fire Safety

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**Operating Impact:**

- Increase: $0
- Decrease: $0

The system is 30 years old, has exceeded its serviceable life and is no longer supported by the manufacturer. Failure would compromise life/safety.
PHYSICAL PLANT - NEWARK

DOMESTIC WATER MAIN AND VALVE REPLACEMENT
LOCATION: NEWARK-DENTAL SCHOOL

Dept Priority: 1  
Project ID: 75B466  
Project Type Code: F03  
Project Type Description: Infrastructure-Water Supply-State Facilities

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Sub-Total: $500

Operating Impact: Increase: $0  
Decrease: $0

Replacement of 30 year old galvanized and victolic water main piping and fittings, which have exceeded their serviceable life. There have been 3 failures on campus in recent history, one near catastrophic event, due to electrolysis between the victolic and copper connections. In addition, the system requires zone valves to isolate floors, if needed. Failure would and did compromise life/safety and caused major flooding, interruption in service and increased operational cost for research and education.

PHYSICAL PLANT - NEWARK

DEAERATOR (DA) TANK REPLACEMENT
LOCATION: NEWARK-DENTAL SCHOOL

Dept Priority: 1  
Project ID: 75B468  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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Sub-Total: $150

Operating Impact: Increase: $0  
Decrease: $0

The existing system is 30 years old and has exceeded its serviceable life. Failure would cause a loss of heat and hot water service to the building.

PHYSICAL PLANT - NEWARK

HIGH TEMPERATURE WATER VALVE REPLACEMENT
LOCATION: NEWARK-DENTAL SCHOOL

Dept Priority: 1  
Project ID: 75B469  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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Sub-Total: $100

Operating Impact: Increase: $0  
Decrease: $0

Valves are 30 years old and no longer function correctly. Failure to replace the valves compromise the ability to isolate the Dental School's high temperature water system from the campus distribution system. A campus-wide shutdown for high temperature water would be required for any repairs to the Dental School system.
## University of Medicine and Dentistry

### Agency Capital Budget Request (000's)

<table>
<thead>
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<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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</table>

### PHYSICAL PLANT - NEWARK
**FIRE ALARM SYSTEM REPLACEMENT**
LOCATION: NEWARK-DOC PARKING DECK

- Dept Priority: 1
- Project ID: 75B470
- Project Type Code: B02 Project Type Description: Compliance-Fire Safety

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**Operating Impact:** Increase: $0, Decrease: $0

The existing system is 13 years old, has exceeded its serviceable life and is no longer supported by the manufacturer. Failure would compromise life/safety.

### PHYSICAL PLANT - NEWARK
**INSTALL CONDENSATE DRAIN SYSTEM**
LOCATION: NEWARK - UNIVERSITY HOSPITAL

- Dept Priority: 1
- Project ID: 75B471
- Project Type Code: A02 Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0, Decrease: $0

Existing condensate system for HVAC induction unit is 30 years old and has failed. Failure has and does cause minor water leaks throughout the building during summer cooling.

### PHYSICAL PLANT - NEWARK
**VACUUM PUMP AND COMPRESSOR REPLACEMENT**
LOCATION: NEWARK - UNIVERSITY HOSPITAL

- Dept Priority: 1
- Project ID: 75B472
- Project Type Code: B02 Project Type Description: Compliance-Fire Safety

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**Operating Impact:** Increase: $0, Decrease: $0

Equipment is 30 years old and has exceeded its serviceable life. Failure would compromise patient life/safety in operating rooms and patient rooms.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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</table>

### PHYSICAL PLANT - NEWARK

**CONDENSATE LINE REPLACEMENT**  
LOCATION: NEWARK - UNIVERSITY HOSPITAL

Dept Priority: 1  
Project ID: 75B473  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0  
Decrease: $0

The existing system is 30 years old and has exceeded its serviceable life. Failure would cause loss of heating, hot water and sterilization.

### PHYSICAL PLANT - NEWARK

**LIFE SAFETY, LIFE SUPPORT, CRITICAL & MECHANICAL E**  
LOCATION: NEWARK - UNIVERSITY HOSPITAL

Dept Priority: 1  
Project ID: 75B475  
Project Type Code: B02  
Project Type Description: Compliance-Fire Safety

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**Operating Impact:** Increase: $0  
Decrease: $0

Replace electrical emergency transfer switches. Original installation is 30 years old and is not designed for the sensitivity of today's medical equipment, e.g., cardio cath laboratory equipment. Failure to perform the above work has resulted in disrupted medical service and compromised life/safety.

### PHYSICAL PLANT - NEWARK

**HEAT EXCHANGE CONTROL UPGRADES**  
LOCATION: NEWARK - ALL BUILDINGS

Dept Priority: 1  
Project ID: 75B478  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0  
Decrease: $50

Heat Exchange Controls are 30 years old and have exceeded their serviceable life. Change all existing controls and end devices to digital operation and rebuild/replace existing control and isolation valves as required. Install differential pressure sensors on all heat exchanger main lines and convert constant water volume control to variable water volume control.
University of Medicine and Dentistry

Agency Capital Budget Request

<table>
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<th>TOTAL COST 7 YR PROG</th>
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<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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**PHYSICAL PLANT - NEWARK**

**AIR HANDLER UNIT CONTROL UPGRADES**

LOCATION: NEWARK - ALL BUILDINGS

Dept Priority 1

Project ID: 75B479

Project Type Code: A02  Project Type Description: Preservation-HVAC

General: $1,000  $1,000  $0  $0  $0

Sub-Total: $1,000  $1,000  $0  $0  $0

Operating Impact: Increase: $0  Decrease: $150

Existing air handler controls are 30 years old and have exceeded their serviceable life. Replace existing valves, dampers and actuators. Convert all existing controls and map points to the Metasys System.

**PHYSICAL PLANT - NEWARK**

**UPGRADE STEAM GENERATORS**

LOCATION: NEWARK - ALL BUILDINGS

Dept Priority 1

Project ID: 75B481

Project Type Code: F01  Project Type Description: Infrastructure-Energy Improvements

General: $750  $750  $0  $0  $0

Sub-Total: $750  $750  $0  $0  $0

Operating Impact: Increase: $0  Decrease: $0

Generators are 30 years old and have exceeded their serviceable life. Systems are no longer redundant and in some cases, undersized due to expansion of the Northern Campus. Failure would cause loss of steam for sterilization, hot water and humidity control.

**PHYSICAL PLANT - NEWARK**

**AIR HANDLER CONDENSATE PAN REPLACEMENT**

LOCATION: NEWARK-MED. SCIENCE BLDG.

Dept Priority 1

Project ID: 75B483

Project Type Code: A02  Project Type Description: Preservation-HVAC

General: $350  $350  $0  $0  $0

Sub-Total: $350  $350  $0  $0  $0

Operating Impact: Increase: $0  Decrease: $0

The condensate pans on the air handlers serving the Medical Science Building are original to the facility and have exceeded their serviceable/repairable life span. Failure would disrupt HVAC service at the Medical Science Building and also has the potential for water damage throughout the facility, as these units are on the D and G Levels.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
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<th>REQUESTED FY - 2011</th>
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**PHYSICAL PLANT - NEWARK**

**HOUSE AIR SYSTEM REPLACEMENT**
LOCATION: NEWARK-MEDICAL SCIENCE BLDG.
Dept Priority: 1
Project ID: 75B484
Project Type Code: A03  Project Type Description: Preservation-Critical Repairs

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The system is a Kabelco Duplex system, which is original to the building and has exceeded its serviceable life span. Since the installation of the system, manufacturers have developed more serviceable/cost effective units that allow for campus standardization, including Medical Air backup, as these are true Oil Free systems. Failure would disrupt HVAC service at the Medical Science Building. The cost of repair to a single compressor/component failure would result in 25%-40% of replacement cost.

**PHYSICAL PLANT - NEWARK**

**MEDICAL/LAB AIR SYSTEM REPLACEMENT**
LOCATION: NEWARK-DENTAL SCHOOL
Dept Priority: 1
Project ID: 75B487
Project Type Code: A03  Project Type Description: Preservation-Critical Repairs

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The system is a Nash Duplex system, which is original to the building and has exceeded its serviceable life span. At the time of installation, Nash Pump Co. was the sole source for Oil Free Medical Air Compressors. Since that time, manufacturers have developed more serviceable/cost effective units that allow for campus standardization. Failure would disrupt research operations at the Dental School and limit backup capabilities at the University Hospital. The cost of repair for a single compressor/component failure will result in 25% - 40% of replacement cost.

**PHYSICAL PLANT - NEWARK**

**AIR HANDLER REPLACEMENT/REFURBISHMENT**
LOCATION: NEWARK-UNIVERSITY HOSPITAL
Dept Priority: 1
Project ID: 75B488
Project Type Code: A02  Project Type Description: Preservation-HVAC

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Replace or refurbish 34 air handlers. Existing air handlers are over 35 years old and have exceeded their useful life. Many components are deteriorated beyond repair. Failure would cause a complete loss of HVAC for the areas served.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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**PHYSICAL PLANT - NEWARK**

**FIRE ALARM REPLACEMENT**

LOCATION: UNION CTY COLL-UCC LEASED BLDG

Dept Priority 1
Project ID: 75B490
Project Type Code: B02 Project Type Description: Compliance-Fire Safety

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**Operating Impact:**

*Increase: $0, Decrease: $0*

The system is 25 years old, has exceeded its serviceable life and is no longer supported by the manufacturer. Failure would compromise life/safety.

**PHYSICAL PLANT - NEWARK**

**HOUSE AIR SYSTEM REPLACEMENT**

LOCATION: NEWARK-UNIVERSITY HOSPITAL

Dept Priority 1
Project ID: 75B492
Project Type Code: A03 Project Type Description: Preservation-Critical Repairs

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**Operating Impact:**

*Increase: $0, Decrease: $0*

The system is a Kabelco Duplex system, which is original to the building and has exceeded its serviceable life span. Since the installation of the system, manufacturers have developed more serviceable/cost effective units that allow for campus standardization, including Medical Air backup, as these are true Oil Free systems. Failure would disrupt HVAC service at the University Hospital. The cost of repair to a single compressor/component failure would result in 25% - 40% of replacement cost.

**PHYSICAL PLANT - NEWARK**

**REPLACE/UPGRADE EMERGENCY GENERATORS**

LOCATION: NEWARK-UNIVERSITY HOSPITAL

Dept Priority 1
Project ID: 75B493
Project Type Code: A01 Project Type Description: Preservation-Electrical

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**Operating Impact:**

*Increase: $0, Decrease: $0*

Replace/upgrade emergency generator with 3 larger generators to increase capacity for all critical UH life support and life safety and emergency mechanical systems. Existing emergency generator is at maximum capacity.
University of Medicine and Dentistry

### Agency Capital Budget Request

|------------|----------------------|----------------------|----------------------|--------------------------|

#### PHYSICAL PLANT - NEWARK

**Provide 2000 Ton Electric Chiller at Power Plant**

LOCATION: NEWARK CAMPUS

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<thead>
<tr>
<th>Dept Priority</th>
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| General | $3,500 | $3,500 | $0 | $0 | $0 |
| Sub-Total | $3,500 | $3,500 | $0 | $0 | $0 |

**Operating Impact:**

- *Increase:* $0
- *Decrease:* $100

Install 2000 ton electric chiller to provide redundant cooling source for campus buildings.

#### PHYSICAL PLANT - NEWARK

**Replace In-Ground Fuel Oil Storage Tanks & Soil Remediation**

LOCATION: NEWARK-POWER PLANT

<table>
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<th>Dept Priority</th>
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<td>C04</td>
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| General | $3,800 | $0 | $0 | $0 | $0 |
| Sub-Total | $3,800 | $0 | $0 | $0 | $0 |

**Operating Impact:**

- *Increase:* $0
- *Decrease:* $0

Replace existing deteriorated oil storage tanks serving the power plant and remediate soil.

#### PHYSICAL PLANT - NEWARK

**ICPH Cooling Tower and Plate Exchanger**

LOCATION: NEWARK-ICPH BUILDING

<table>
<thead>
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| General | $150 | $0 | $0 | $0 | $0 |
| Sub-Total | $150 | $0 | $0 | $0 | $0 |

**Operating Impact:**

- *Increase:* $0
- *Decrease:* $50

Install cooling tower and plate and frame heat exchanger for free winter cooling for cold boxes and computer areas in International Center for Public Health.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
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<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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**PHYSICAL PLANT - NEWARK**

**REPLACE FIRE PUMP**

Dept Priority: 1  
Project ID: 75B751  
Project Type Code: B02  
Project Type Description: Compliance-Fire Safety

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Sub-Total: $150  
Decrease: $0  
Increase: $0

**Operating Impact:** Increase: $0  
Decrease: $0

Existing fire pump is original to the building and over 35 years old. It serves the Medical Science Building, Dental School, Library and is backup to University Hospital. Failure would compromise life safety and property protection for these buildings.

**PHYSICAL PLANT - NEWARK**

**WATER HEATER REPLACEMENT**

Dept Priority: 1  
Project ID: 75B752  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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Sub-Total: $150  
Decrease: $0  
Increase: $0

**Operating Impact:** Increase: $0  
Decrease: $0

Existing hot water heaters are 25 years old and have exceeded their useful life. They are currently undersized due to the growth of building demands. Failure and under-capacity have caused temporary loss of hot water for the building.

**PHYSICAL PLANT - NEWARK**

**REPLACE ROOF SECTION**

Dept Priority: 1  
Project ID: 75B753  
Project Type Code: A04  
Project Type Description: Preservation-Roofs & Moisture Protection

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Sub-Total: $460  
Decrease: $0  
Increase: $0

**Operating Impact:** Increase: $0  
Decrease: $0

Replace portions of roof where delamination has occurred in order to maintain integrity of remaining roof system.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|--------------------------|

PHYSICAL PLANT - NEWARK

EMERGENCY GENERATOR STACK EXTENSION
LOCATION: NEWARK-POWER PLANT

Dept Priority: 1
Project ID: 75B754
Project Type Code: A01 Project Type Description: Preservation-Electrical

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Operating Impact: Increase: $0 Decrease: $0

Existing emergency generator stacks must be extended to prevent exhaust from entering power plant control room during weekly testing. Extended operation of generators during an emergency could compromise control room operations.

PHYSICAL PLANT - NEWARK

CONTINUOUS EMISSIONS MONITORING
LOCATION: NEWARK-POWER PLANT

Dept Priority: 1
Project ID: 75B755
Project Type Code: B03 Project Type Description: Compliance-Other

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Operating Impact: Increase: $0 Decrease: $0

Install continuous emissions monitoring on existing boiler systems as required to meet current and future regulations. This will measure and record emissions to insure compliance with regulations.

PHYSICAL PLANT - NEWARK

UPDATE CAMPUS ENGINEERING DRAWINGS
LOCATION: NEWARK-POWER PLANT

Dept Priority: 1
Project ID: 75B756
Project Type Code: A03 Project Type Description: Preservation-Critical Repairs

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Operating Impact: Increase: $0 Decrease: $0

Update campus engineering drawings to include all new construction for electrical distribution, high temperature water and chilled water. This must be done to facilitate maintenance of these critical campus utilities.
### University of Medicine and Dentistry

**Agency Capital Budget Request**

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
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</table>

### PHYSICAL PLANT - NEWARK

**INTERCONNECT ALL COOLING TOWERS**

**LOCATION:** NEWARK-POWER PLANT  
Dept Priority: 1  
Project ID: 75B757  
Project Type Code: A02  
Project Type Description: Preservation-HVAC  
**General:** | $300 | $300 | $0 | $0 | $0 |  
**Sub-Total:** | $300 | $300 | $0 | $0 | $0 |

**Operating Impact:**  
Increase: $0  
Decrease: $0

Install new valves and pipes to interconnect all cooling towers. This will allow any cooling tower to be used in conjunction with any chiller, thereby creating a minimum level of cooling tower redundancy. The current configuration links chillers to specific cooling towers.

### PHYSICAL PLANT - NEWARK

**PERFORM TESTING OF ELECTRICAL FEEDERS**

**LOCATION:** NEWARK-POWER PLANT  
Dept Priority: 1  
Project ID: 75B758  
Project Type Code: A01  
Project Type Description: Preservation-Electrical  
**General:** | $300 | $300 | $0 | $0 | $0 |  
**Sub-Total:** | $300 | $300 | $0 | $0 | $0 |

**Operating Impact:**  
Increase: $0  
Decrease: $0

Perform high potential testing of all campus electrical feeders. Multiple campus wide electrical shutdowns associated with new construction have shortened the life span of campus feeders. Testing must be done to insure feeder integrity and maintain campus electrical system distribution reliability.

### PHYSICAL PLANT - NEWARK

**REFURBISH CHILLER COMPRESSORS**

**LOCATION:** NEWARK-POWER PLANT  
Dept Priority: 1  
Project ID: 75B759  
Project Type Code: A02  
Project Type Description: Preservation-HVAC  
**General:** | $2,500 | $2,500 | $0 | $0 | $0 |  
**Sub-Total:** | $2,500 | $2,500 | $0 | $0 | $0 |

**Operating Impact:**  
Increase: $0  
Decrease: $0

Refurbish chiller equipment compressor sections to conform with original manufacturer’s design specifications. Existing equipment is 15 to 35 years old and refurbishment is required to maintain reliability.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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**PHYSICAL PLANT - NEWARK**

**REFURBISH CASCADE TANK**

LOCATION: NEWARK-POWER PLANT

Dept Priority 1

Project ID: 75B760

Project Type Code: A02 Project Type Description: Preservation-HVAC

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**Operating Impact:** InCREASE: $0 Decrease: $0

Refurbish high temperature water cascade tank and valves. System is over 35 years old and valves are not operational. System failure would mean a loss of heating and hot water for the campus.

**PHYSICAL PLANT - NEWARK**

**REPLACE OR REBUILD 11 AIR HANDLERS**

LOCATION: NEWARK-DENTAL SCHOOL

Dept Priority 1

Project ID: 75B766

Project Type Code: A02 Project Type Description: Preservation-HVAC

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**Operating Impact:** InCREASE: $0 Decrease: $0

Existing air handlers are over 35 years old and have exceeded their useful life. Many components are deteriorated beyond repair. Failure would cause a complete loss of HVAC for the areas served.

**PHYSICAL PLANT - NEWARK**

**REPLACE HEAT EXCHANGERS**

LOCATION: NEWARK-DENTAL SCHOOL

Dept Priority 1

Project ID: 75B767

Project Type Code: A02 Project Type Description: Preservation-HVAC

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**Operating Impact:** InCREASE: $0 Decrease: $0

Existing heat exchangers are over 35 years old and cannot meet peak demands for the facility.
## University of Medicine and Dentistry

### Agency Capital Budget Request

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<th>REQUESTED FY - 2011</th>
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### PHYSICAL PLANT - NEWARK

#### REPLACE MOTOR CONTROL CENTERS

- **LOCATION:** NEWARK-UNIVERSITY HOSPITAL

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**Operating Impact:**
- Increase: $0
- Decrease: $0

Existing motor control centers are over 30 years old and no longer supported by the manufacturer (Allis Chalmers). They are critical to the operation of HVAC equipment and pumps for University Hospital. This project would purchase replacement stock - 2 each of size #1 through #5 as manufactured by Cutler Hammer. Failure has and does interrupt HVAC and other building services for extended periods.

#### REPLACE WATER FILTRATION SYSTEM

- **LOCATION:** NEWARK-UNIVERSITY HOSPITAL

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**Operating Impact:**
- Increase: $0
- Decrease: $0

Existing water filtration system is original and over 30 years old. It has exceeded its serviceable life. Failure has and does result in the use of non-filtered city water.

#### REPLACE HEAT EXCHANGERS

- **LOCATION:** NEWARK-UNIVERSITY HOSPITAL

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**Operating Impact:**
- Increase: $0
- Decrease: $0

Existing heat exchangers are over 35 years old and cannot meet the peak demands of the facility.
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**University of Medicine and Dentistry**

**Agency Capital Budget Request**

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**PHYSICAL PLANT - NEWARK**

**INSTALL SPRINKLERS FOR LOWER FLOORS**

LOCATION: NEWARK-SSB BUILDING

Dept Priority 1

Project ID: 75B790

Project Type Code: B02  Project Type Description: Compliance-Fire Safety

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<tr>
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The lower floors of the building that have not been renovated, must have a sprinkler system. This is a code requirement. Non-compliance could result in building closure.

**PHYSICAL PLANT - NEWARK**

**REPLACE NETWORK PROTECTORS**

LOCATION: NEWARK-POWER PLANT

Dept Priority 1

Project ID: 75B791

Project Type Code: A01  Project Type Description: Preservation-Electrical

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Replace network protectors on all 26,400 volt electrical transformers. 26 existing network protectors are no longer serviceable due to age and new safety regulations and codes. Failure would cause a loss of electric service for the entire campus.

**PHYSICAL PLANT - NEWARK**

**INSTALL ELECTRIC DISCONNECTS**

LOCATION: NEWARK-POWER PLANT

Dept Priority 1

Project ID: 75B792

Project Type Code: A01  Project Type Description: Preservation-Electrical

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Install 26,400 volt electric disconnect switches on both feeders serving the Oral Health Pavilion. These are required to service and maintain existing switchgear due to new safety codes and regulations. Failure would cause a loss of electric service to the Oral Health Pavilion.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

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#### PHYSICAL PLANT - NEWARK

**SSB INFRASTRUCTURE UPGRADES**  
LOCATION: NEWARK-SSB BUILDING

- **Dept Priority**: 1  
- **Project ID**: 75B798  
- **Project Type Code**: F04  
- **Project Type Description**: Infrastructure-Other

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The Stanley S. Bergen, Jr. Building is over 50 years old and many building systems are original and beyond their serviceable life. To support occupants, upgrades to electrical, structural, mechanical and plumbing systems must be performed in previously unrenovated areas.

#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**AIR HANDLER REPLACEMENT**  
LOCATION: NEW BRUNSWICK - MED. ED. BUILD

- **Dept Priority**: 1  
- **Project ID**: 75B418  
- **Project Type Code**: A02  
- **Project Type Description**: Preservation-HVAC

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The roof-top air handlers for the HVAC system are 23 years old and have exceeded their serviceable life. Failure would cause loss of cooling for the building.

#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**COOLING TOWER REPLACEMENT**  
LOCATION: NEW BRUNSWICK-RWJMS PROF.BUILD

- **Dept Priority**: 1  
- **Project ID**: 75B420  
- **Project Type Code**: A02  
- **Project Type Description**: Preservation-HVAC

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The existing cooling tower is 15 years old and has exceeded its serviceable life. Failure would cause loss of cooling for the building and clinics.
### University of Medicine and Dentistry

**Agency Capital Budget Request**

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<th>TOTAL COST 7 YR PROG</th>
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<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
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#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**BOILER REPLACEMENT**

- Dept Priority: 1
- Project ID: 75B421
- Project Type Code: A02
- Project Type Description: Preservation-HVAC

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**Operating Impact:**
- Increase: $0
- Decrease: $0

The existing electric boiler for the building heating system is 15 years old and has exceeded its serviceable life. Failure would cause loss of heating for the building.

#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**CHILLER/DX UNIT REPLACEMENT/UPGRADE**

- Dept Priority: 1
- Project ID: 75B422
- Project Type Code: A02
- Project Type Description: Preservation-HVAC

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**Operating Impact:**
- Increase: $0
- Decrease: $0

The existing HVAC cooling system is undersized for current loads and is unreliable. Failure would cause loss of cooling for the building.

#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**HEAT EXCHANGER REPLACEMENT**

- Dept Priority: 1
- Project ID: 75B425
- Project Type Code: A02
- Project Type Description: Preservation-HVAC

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**Operating Impact:**
- Increase: $0
- Decrease: $0

Heat Exchanger - Existing units are 33 years old and have exceeded their serviceable life. Failure to perform this work would cause loss of heat, hot water and steam for the building.
## University of Medicine and Dentistry

### Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|--------------------------|

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**COOLING TOWER REPLACEMENT**

- **LOCATION:** PISCATAWAY-RWJMS
- **Dept Priority:** 1
- **Project ID:** 75B426
- **Project Type Code:** A02  
  **Project Type Description:** Preservation-HVAC

| General | $750 | $750 | $0 | $0 | $0 |
| Sub-Total | $750 | $750 | $0 | $0 | $0 |

**Operating Impact:**
- Increase: $0
- Decrease: $0

- Cooling Tower - Existing towers are 33 years old and have exceeded their serviceable life. Metal fatigue has contributed to frequent failures. Failure to perform this work would cause loss of heat, hot water and steam for the building.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**FIRE SUPPRESSION SYSTEM INSTALLATION**

- **LOCATION:** PISCATAWAY-UBHC BUILDING
- **Dept Priority:** 1
- **Project ID:** 75B427
- **Project Type Code:** B02  
  **Project Type Description:** Compliance-Fire Safety

| General | $500 | $500 | $0 | $0 | $0 |
| Sub-Total | $500 | $500 | $0 | $0 | $0 |

**Operating Impact:**
- Increase: $0
- Decrease: $0

- Building partially sprinkled in 2000. The remaining two wings, C and D, are required to have the fire suppression system installed to comply with state codes and abate state fire violations. Failure to perform this work compromises life/safety.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**HEAT EXCHANGER REPLACEMENT**

- **LOCATION:** PISCATAWAY-UBHC BUILDING
- **Dept Priority:** 1
- **Project ID:** 75B428
- **Project Type Code:** A02  
  **Project Type Description:** Preservation-HVAC

| General | $270 | $270 | $0 | $0 | $0 |
| Sub-Total | $270 | $270 | $0 | $0 | $0 |

**Operating Impact:**
- Increase: $0
- Decrease: $0

- Exisiting units are 29 years old and have exceeded their serviceable life. Failure occurred in 2000 and repairs took 1 month. Costly supplemental heating was required. Failure did and would cause loss of heat for the building.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

|------------|----------------------|----------------------|----------------------|--------------------------|

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

REPLACE AIR HANDLER AND HVAC EQUIPMENT
LOCATION: PISCATAWAY-RWJMS

Dept Priority: 1
Project ID: 75B432
Project Type Code: A02  Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0  Decrease: $0

Replace existing air handler units and HVAC equipment which have exceeded their serviceable life.

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

REPLACE WINDOWS SEALS
LOCATION: PISCATAWAY-RWJMS

Dept Priority: 1
Project ID: 75B433
Project Type Code: F01  Project Type Description: Infrastructure-Energy Improvements

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**Operating Impact:** Increase: $0  Decrease: $10

Replace existing window seals with new gasket seals. The windows are original to the building and are 36 years old. They continually leak in wind driven rains. Continued failures compromise the ability to provide a safe environment.

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

FIRE ALARM SYSTEM REPLACEMENT
LOCATION: PISCATAWAY-CABM

Dept Priority: 1
Project ID: 75B435
Project Type Code: B02  Project Type Description: Compliance-Fire Safety

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**Operating Impact:** Increase: $0  Decrease: $0

Replace existing fire system which has exceeded its serviceable life.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### FIRE ALARM & SUPPRESSION SYSTEM INSTALLATION

- **Location:** NEW BRUNS.-MEDICAL EDUC. BLDG.
- **Dept Priority:** 1
- **Project ID:** 75B551
- **Project Type Code:** B02  **Project Type Description:** Compliance-Fire Safety

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**Operating Impact:** Increase: $0  Decrease: $0

The existing fire alarm system is 23 years old and has exceeded its serviceable life. The system is no longer manufactured and parts are not available. The system is unreliable and does not meet current codes.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### REPLACEMENT OF ROOF TOP AIR CONDITIONING UNITS

- **Location:** PISC.-UBHC 151 CENTENNIAL
- **Dept Priority:** 1
- **Project ID:** 75B555
- **Project Type Code:** A02  **Project Type Description:** Preservation-HVAC

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**Operating Impact:** Increase: $0  Decrease: $0

The age of the current roof top air conditioning units is unknown.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### FIRE ALARM & SUPPRESSION SYSTEM INSTALLATION

- **Location:** PISC.-UBHC 151 CENTENNIAL
- **Dept Priority:** 1
- **Project ID:** 75B556
- **Project Type Code:** B02  **Project Type Description:** Compliance-Fire Safety

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**Operating Impact:** Increase: $0  Decrease: $0

The age of the existing fire alarm system is unknown. The system is outdated.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|--------------------------|

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**ROOF REPLACEMENT**
LOCATION: PISC.-UBHC 151 CENTENNIAL

Dept Priority 1
Project ID: 75B557
Project Type Code: A04 Project Type Description: Preservation-Roofs & Moisture Protection

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Operating Impact: Increase: $0 Decrease: $0

Existing roof is beginning to deteriorate. The age of the roof is unknown.

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**CIRCULATING PUMP REPLACEMENT**
LOCATION: PISCATAWAY-UBHC

Dept Priority 1
Project ID: 75B558
Project Type Code: A02 Project Type Description: Preservation-HVAC

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Operating Impact: Increase: $0 Decrease: $0

Existing circulating pumps for heating and cooling water are 29 years old and have exceeded their serviceable life.

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**AIR HANDLER REPLACEMENT-VIVARIUM**
LOCATION: PISCATAWAY-RWJMS

Dept Priority 1
Project ID: 75B563
Project Type Code: A02 Project Type Description: Preservation-HVAC

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Operating Impact: Increase: $0 Decrease: $0

The vivarium air distribution system does not accurately distribute supply and return. Air handler needs to be replaced with a larger unit. This is original to building and over 35 years old.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### UPGRADE/RENOVATE LECTURE HALLS

**LOCATION:** PISCATAWAY-RWJMS  
**Dept Priority:** 1  
**Project ID:** 75B564  
**Project Type Code:** E03  
**Project Type Description:** Construction-Renovations and Rehabilitation

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**Sub-Total:** $1,000  
**Operating Impact:**  
- **Increase:** $0  
- **Decrease:** $0

Current lecture halls (3 total) are over 35 years old and have received moderate alterations over that time. They are all in need of new carpeting, ceilings and lighting. The ceiling and lighting are in poor condition and replacement parts are no longer available. The carpeting is worn and torn.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### COOLING TOWER RE-PIPING

**LOCATION:** PISCATAWAY-RWJMS  
**Dept Priority:** 1  
**Project ID:** 75B567  
**Project Type Code:** A02  
**Project Type Description:** Preservation-HVAC

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<tbody>
<tr>
<td>$500</td>
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</tbody>
</table>

**Sub-Total:** $500  
**Operating Impact:**  
- **Increase:** $0  
- **Decrease:** $0

Replace existing corroded cooling tower supply and return pipes from roof to basement.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### SPRINKLER PREACTION/FREEZE PROTECTION

**LOCATION:** PISCATAWAY-RWJ MEDICAL SCHOOL  
**Dept Priority:** 1  
**Project ID:** 75B776  
**Project Type Code:** B02  
**Project Type Description:** Compliance-Fire Safety

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**Sub-Total:** $170  
**Operating Impact:**  
- **Increase:** $0  
- **Decrease:** $0

Sprinkler systems in mechanical/electrical rooms and loading dock areas may be susceptible to extreme freezing temperatures and should be protected with preaction or antifreeze systems. Failure would compromise the sprinkler fire suppression system.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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<tr>
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<th>REQUESTED FY - 2011</th>
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#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**ELEVATOR SHUNT TRIP BREAKER**  
**LOCATION:** PISCATAWAY-RWJ MEDICAL SCHOOL

Dept Priority 1  
Project ID: 75B778  
Project Type Code: B02  
Project Type Description: Compliance-Fire Safety

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**Sub-Total:** $70  
**Operating Impact:** Increase: $0  
Decrease: $0

Elevator shunt trip breakers are required with the installation of sprinkler systems in elevator shafts. This is a fire/elevator code requirement.

#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**UPGRADE BUILDING SYSTEMS**  
**LOCATION:** PISCATAWAY-RESEARCH ANNEX

Dept Priority 1  
Project ID: 75B793  
Project Type Code: A03  
Project Type Description: Preservation-Critical Repairs

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**Sub-Total:** $150  
**Operating Impact:** Increase: $0  
Decrease: $0

Existing building systems and controls have exceeded their useful life and require replacement. Failure would cause a loss of HVAC and/or utility services.

#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**MORGUE HVAC UPGRADES**  
**LOCATION:** PISCATAWAY-RWJ MEDICAL SCHOOL

Dept Priority 1  
Project ID: 75B795  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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**Sub-Total:** $300  
**Operating Impact:** Increase: $0  
Decrease: $0

Morgue HVAC system is original and does not meet current code requirements for the facility. Upgrades are required to maintain morgue operations.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**KITCHEN HVAC/EXHAUST UPGRADES**

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<td>$150</td>
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The kitchen HVAC and exhaust systems are original and have exceeded their serviceable life. Upgrades are required to maintain system operation and eliminate cooking fumes.

#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**REPLACE FIRE ALARM SYSTEM**

<table>
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<tr>
<th>Dept Priority</th>
<th>LOCATION: SOMERSET-WORLDS FAIR DRIVE</th>
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<tbody>
<tr>
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The existing fire alarm system is original and has exceeded its serviceable life. Failure would compromise life/safety.

#### PHYSICAL PLANT - STRATFORD

**RESURFACE DRYVIT**

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<th>LOCATION: STRATFORD-UDP BUILDING</th>
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The exterior dryvit panels are badly worn and need to be resurfaced, sealed and caulked to prevent water infiltration which will cause interior damage and mold.
### PHYSICAL PLANT - STRATFORD

**REPLACE FIRE ALARM/SECURITY SYSTEM**

- **LOCATION:** CAMDEN CAMPUS - E&R BUILDING
- **Dept Priority:** 1
- **Project ID:** 75B408
- **Project Type Code:** B02
- **Project Type Description:** Compliance-Fire Safety

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**Operating Impact:** 
- **Increase:** $0
- **Decrease:** $0

The fire alarm system is over 21 years old and has reached its serviceable life. Parts may no longer be available for replacement. The system needs to be replaced before parts are no longer available, otherwise, it would create a compromised life safety system.

---

### PHYSICAL PLANT - STRATFORD

**ROOF REPLACEMENT**

- **LOCATION:** CAMDEN CAMPUS - E&R BUILDING
- **Dept Priority:** 1
- **Project ID:** 75B411
- **Project Type Code:** A04
- **Project Type Description:** Preservation-Roofs & Moisture Protection

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**Operating Impact:** 
- **Increase:** $0
- **Decrease:** $0

The existing roof will be 25 years old and past its useful life. Failure of the roof system will affect occupants of the upper floor; residual water can cause additional damage and mold.

---

### PHYSICAL PLANT - STRATFORD

**EMERGENCY POWER**

- **LOCATION:** CAMDEN CAMPUS - E&R BUILDING
- **Dept Priority:** 1
- **Project ID:** 75B413
- **Project Type Code:** A01
- **Project Type Description:** Preservation-Electrical

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**Operating Impact:** 
- **Increase:** $0
- **Decrease:** $0

There is no additional emergency electrical distribution panels/circuits to accommodate any additional equipment in the research laboratories. As researchers are hired, there is no additional emergency power utility.
**University of Medicine and Dentistry**

### Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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**PHYSICAL PLANT - STRATFORD**

**REFURBISH CHILLER**

- Dept Priority: 1
- Project ID: 75B783
- Project Type Code: A02
- Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0  Decrease: $0

Refurbish chiller to conform with original manufacturer's specifications. Failure would cause a loss of cooling for offices, laboratories and vivarium.

**PHYSICAL PLANT - STRATFORD**

**VIVARIUM HVAC SYSTEM UPGRADE**

- Dept Priority: 1
- Project ID: 75B786
- Project Type Code: A02
- Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0  Decrease: $0

The vivarium HVAC system controllers have exceeded their serviceable life and need to be replaced. Repairs are no longer effective. Failure would compromise the research animals environment.

**PHYSICAL PLANT - STRATFORD**

**GRIND SLATE FLOORS**

- Dept Priority: 1
- Project ID: 75B787
- Project Type Code: B03
- Project Type Description: Compliance-Other

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**Operating Impact:** Increase: $0  Decrease: $0

The natural cleft slate floor needs to have irregularities ground, sanded, honed and sealed to eliminate the current tripping hazard.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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</thead>
</table>

#### PHYSICAL PLANT - STRATFORD

- **FIRE ALARM REPLACEMENT**
  - LOCATION: STRATFORD-SCIENCE CENTER
  - Dept Priority: 1
  - Project ID: 75B794
  - Project Type Code: B02
  - Project Type Description: Compliance-Fire Safety

| General | $100 | $100 | $0 | $0 | $0 |
| Sub-Total | $100 | $100 | $0 | $0 | $0 |

**Operating Impact:** Increase: $0, Decrease: $0

The fire alarm panel is 22 years old and has exceeded its serviceable life. Replacement is necessary because failure would compromise life safety.

---

#### UMDNJ - NEW JERSEY DENTAL SCHOOL

- **NJDS-DENTAL RESEARCH CENTER EQUIPMENT**
  - LOCATION: NEWARK CAMPUS
  - Dept Priority: 2
  - Project ID: 75B054
  - Project Type Code: D02
  - Project Type Description: Acquisition-Equipment

| General | $2,060 | $2,060 | $0 | $0 | $0 |
| Sub-Total | $2,060 | $2,060 | $0 | $0 | $0 |

**Operating Impact:** Increase: $0, Decrease: $0

Specialized laboratory equipment needed to support basic and clinical research activities of the Dental Research Center. Justification: The Dental Research Center is critical to the expanded academic mission of the New Jersey Dental School. The objectives of the center are to conduct basic and clinical research programs of distinction and to promote research opportunities among the faculty and student body.

---

#### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

- **SHRP-EDUCATIONAL SUPPORT EQUIPMENT**
  - LOCATION: CAMPUS-WIDE
  - Dept Priority: 2
  - Project ID: 75B101
  - Project Type Code: D02
  - Project Type Description: Acquisition-Equipment

| General | $190 | $190 | $0 | $0 | $0 |
| Sub-Total | $190 | $190 | $0 | $0 | $0 |

**Operating Impact:** Increase: $0, Decrease: $0

The equipment will aid clinical skill development for the physical therapy, physician assistant, respiratory therapy, psychosocial rehabilitation, clinical nutrition and dietary internship allied health programs. Also useful for SHRP research activities. The digital counseling equipment will be used for the production of digital audio and visual materials and for demonstration and teaching of interpersonal counseling skills. The other equipment is for clinical simulation. Students will be able to practice needed skills before they are asked to administer direct patient care. The equipment will enable instructors to gauge student's proficiency.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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<th>REQUESTED FY - 2011</th>
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**UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS**
CONVERSION OF CHEM. LAB TO CYTO. LAB
LOCATION: SCOTCH PLAINS CAMPUS

Dept Priority 2
Project ID: 75B294
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

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**Operating Impact:** Increase: $0 Decrease: $0

Create Cytotechnology Laboratory from former Chemical Laboratory.

**UMDNJ - SCHOOL OF NURSING**
COMPUTER LAB, V-TEL & CLASSROOM EXPANSION/UPGRADE-
LOCATION: SSB BUILDING-NEWARK

Dept Priority 2
Project ID: 75B732
Project Type Code: D03 Project Type Description: Acquisition-Computer Equipment & Systems

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**Operating Impact:** Increase: $0 Decrease: $0

As a result of significant enrollment increases in the Accelerated BSN, MSN program and the newly developed DNP program at the Newark campus, the computer lab and classrooms can no longer accommodate the needs for large classes in class instructions, online learning and computerized nursing licensure testing. The proposed renovation/expansion along with the technology upgrades will provide sufficient space and adequate educational infrastructure to support the students and faculty. Due to class sizes, curriculum requirements and campuses at opposite ends of the state, smart classrooms with updated AV systems and videoconferencing are essential tools for cost efficiency, quality of learning, collaboration processes and to the overall success of the programs.

**UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY**
RWJMS-CHAIR RECRUITMENT EQUIPMENT
LOCATION: PISCATAWAY CAMPUS

Dept Priority 2
Project ID: 75B046
Project Type Code: D02 Project Type Description: Acquisition-Equipment

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**Operating Impact:** Increase: $0 Decrease: $0

In an effort to attract and recruit high caliber department Chairs, funding to establish research programs for these faculty is imperative.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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<tr>
<td>CARDIOVASCULAR INSTITUTE OF NJ - EQUIPMENT NEEDS</td>
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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

In conjunction with the planned new facility, the Cardiovascular Institute of New Jersey (CVINJ) will need funding for major equipment to support the facility laboratories and clinical needs of the Institute's research and patient care missions. This funding is needed to help attract a Director of the Institute, who in turn will recruit faculty to carry out the Institute's mission.

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

##### PROTEOMICS AND STRUCTURAL GENOMICS FACILITY - PISC

##### LOCATION: PISCATAWAY CAMPUS

| General: $10,000 | $5,000 | $5,000 | $0 | $0 |
| Sub-Total: $10,000 | $5,000 | $5,000 | $0 | $0 |

**Operating Impact:**
- **Increase:** $360
- **Decrease:** $0

With the completion of the Human Genome Projects, emphasis is shifting from the study of the gene to that of the protein, and thus to the science of Proteomics. It is believed that through Proteomics, new disease markers and drug targets can be identified that will help design products to diagnose, treat and prevent disease. The research of the clinical and basic scientists at the Medical School would be greatly enhanced if they had access an expanded Proteomics/Functional Genomics core facility. This facility would require a special building to house the instrumentation and the technical and support staff of approximately 20,000 square feet.

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

##### STEM CELL INSTITUTE OF NEW JERSEY EQUIPMENT

##### LOCATION: NEW BRUNSWICK

| General: $9,000 | $3,000 | $3,000 | $3,000 | $0 |
| Sub-Total: $9,000 | $3,000 | $3,000 | $3,000 | $0 |

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

There is an immediate need for a cellular imaging core for research conducted by stem cell research scientists. The ability to visualize the dynamics of structures within cells and cells within developing tissue is critical. Digital deconvolution microscopy uniquely provides the highest possible resolution, as well as allowing rapid time-lapse observations to study ongoing processes in living cells. Another key technology will be the two photon laser scanning microscopy, which will allow for imaging chemical and structural dynamics in intact cells and tissue.
University of Medicine and Dentistry

### Agency Capital Budget Request (000's)

<table>
<thead>
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<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
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#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**HUMAN SIMULATION CENTER AT RWJMS**

**LOCATION:** NEW BRUNSWICK

- **Dept Priority:** 2
- **Project ID:** 75B690
- **Project Type Code:** E03 **Project Type Description:** Construction-Renovations and Rehabilitation

| General | $2,000 | $1,000 | $1,000 | $0 | $0 |
| Sub-Total | $2,000 | $1,000 | $1,000 | $0 | $0 |

**Operating Impact:**

- **Increase:** $72
- **Decrease:** $0

A Human Simulation Center (approx. 4,000 sq. ft.) will provide a variety of medical education technologies, including computerized mannequins, virtual reality and computer-based training, and cadaver/animal simulation. Simulation meets the pressing need for basic and advanced training for physicians, nurses, and allied health professionals. Simulation technology also facilitates team training and crisis resource management for both clinical and non-clinical personnel. Simulation is particularly well suited to surgical, anesthesia, nursing and emergency/critical care education.

---

#### UMDNJ - ROBERT WOOD JOHNSON MED CNTR - PISCATAWAY

**E-MAIL/MESSAGING**

**LOCATION:** PISCATAWAY/NEW BRUNS./CAMDEN

- **Dept Priority:** 2
- **Project ID:** 75B696
- **Project Type Code:** D03 **Project Type Description:** Acquisition-Computer Equipment & Systems

| General | $5,000 | $1,000 | $1,000 | $1,000 | $2,000 |
| Sub-Total | $5,000 | $1,000 | $1,000 | $1,000 | $2,000 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

RWJMS would benefit from a new e-mail/messaging environment by introducing efficiencies in the scheduling process, providing voice-over IP features through e-mail, minimize support needs and more. The current UMDNJ e-mail system is fragmented and is supported through various platforms and support mechanisms. Additionally, there exists no unified messaging system leading to countless hours of administrative work and delays in the appointment process.

---

#### UMDNJ - CANCER INSTITUTE OF NEW JERSEY

**CANCER INSTITUTE OF NJ - EXPANSION**

**LOCATION:** NEW BRUNSWICK-STEM CELL BLDG.

- **Dept Priority:** 2
- **Project ID:** 75B807
- **Project Type Code:** E02 **Project Type Description:** Construction-New

| General | $60,000 | $30,000 | $30,000 | $0 | $0 |
| Sub-Total | $60,000 | $30,000 | $30,000 | $0 | $0 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

RWJMS is in the planning stages to construct 2 floors (66,000 sq. ft.) within the proposed Stem Cell building to house expansion of the RWJMS-Cancer Institute of NJ for both clinical and research activities.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
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<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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#### UMDNJ - CANCER INSTITUTE OF NEW JERSEY

**CANCER INSTITUTE OF NJ - EQUIPMENT**

LOCATION: NEW BRUNSWICK

- **Dept Priority**: 2
- **Project ID**: 75B808
- **Project Type Code**: D02  Project Type Description: Acquisition-Equipment

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**Operating Impact**: Increase: $0, Decrease: $0

The RWJMS-Cancer Institute of NJ will require funding for major equipment for the Institute's laboratories and clinical areas for research and patient care missions.

#### SCHOOL OF OSTEOPATHIC MEDICINE

**PROTEOMICS FACILITY**

LOCATION: STRATFORD - SCIENCE CENTER

- **Dept Priority**: 2
- **Project ID**: 75B586
- **Project Type Code**: E03  Project Type Description: Construction-Renovations and Rehabilitation

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**Operating Impact**: Increase: $0, Decrease: $0

This would be considered a core facility and house a number of pieces of equipment that is required for mass spectroscopy. Several federally funded laboratories in our Science Center require the analysis of proteins derived from the systems under study. This facility would be used to analyse protein, protein modifications and related phenomena to promote an understanding of protein biochemistry.

#### SCHOOL OF OSTEOPATHIC MEDICINE

**X-RAY DIFFRACTION SYSTEM**

LOCATION: STRATFORD-SCIENCE CENTER

- **Dept Priority**: 2
- **Project ID**: 75B588
- **Project Type Code**: D02  Project Type Description: Acquisition-Equipment

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**Operating Impact**: Increase: $0, Decrease: $0

The X-Ray Diffraction System is required for protein crystallography studies. X-Ray Diffraction (XRD) is the best approach to obtaining the high-resolution structural information about proteins and protein complexes. This system would include a MicroMax-007 generator, X-Stream 2000 Cyrostream unit, an R-AXIS IV++ Detector, X-Ray Optics and a controlling computer station. Currently there are no XRD instruments on the campus.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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#### SCHOOL OF OSTEOPATHIC MEDICINE

**CLINICAL AND RESEARCH BUILDING**

**LOCATION:** STRATFORD CAMPUS

- **Dept Priority:** 2
- **Project ID:** 75B591
- **Project Type Code:** E02  
  **Project Type Description:** Construction-New

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**Operating Impact:**
- **Increase:** $2,900
- **Decrease:** $0

Construction of 100,000 square foot multi-use building to house clinical and administrative offices for the CARES Institute and the New Jersey Institute for Successful Aging. It will also house Basic Science Research laboratories.

#### SCHOOL OF OSTEOPATHIC MEDICINE

**VASCULAR LAB**

**LOCATION:** STRATFORD CAMPUS-UDP

- **Dept Priority:** 2
- **Project ID:** 75B822
- **Project Type Code:** D02  
  **Project Type Description:** Acquisition-Equipment

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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $110

Remove varicose veins, spider veins, possible tattoo removal.

#### SCHOOL OF OSTEOPATHIC MEDICINE

**FAMILY MEDICINE NETWORK UPGRADE FOR EMR**

**LOCATION:** HAMMONTON FAMILY PRACTICE

- **Dept Priority:** 2
- **Project ID:** 75B828
- **Project Type Code:** D03  
  **Project Type Description:** Acquisition-Computer Equipment & Systems

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**Operating Impact:**
- **Increase:** $6
- **Decrease:** $0

Project for installation of network services, upgrade/new equipment, internal building wiring for such switches/routers for data. Currently, practice is on cable modem via ComCast.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

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#### SCHOOL OF OSTEOPATHIC MEDICINE

**NEW CHERRY HILL OFFICE**

- **Location:** CHERRY HILL
- **Dept Priority:** 2
- **Project ID:** 75B830
- **Project Type Code:** E03
- **Project Type Description:** Construction-Renovations and Rehabilitation

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**Operating Impact:**
- **Increase:** $12
- **Decrease:** $0

Expand patient base near Kennedy Hospital in Cherry Hill.

#### UNIVERSITY WIDE

**INSTALL. OF COMPACT SHELVING AT 3 CAMPUS LIBRARIES**

- **Location:** NWK., NEW BRUNS.& STRAT. LIBR.
- **Dept Priority:** 2
- **Project ID:** 75B247
- **Project Type Code:** D02
- **Project Type Description:** Acquisition-Equipment

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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

The (lack of) study spaces and small group study rooms have been identified as critical needs by both accreditation reports and student surveys. With expansion constraints at all UMDNJ campus libraries, compact shelving offers the most effective solution for optimizing the existing space to meet the study demands of the faculty, students and staff. Installation of compact shelving for existing required print collections will free up in excess of a total of 4,500 square feet at the Newark, New Brunswick and Stratford campus libraries.

#### PHYSICAL PLANT - NEWARK

**ADA REST ROOM RENOVATIONS**

- **Location:** NEWARK CAMPUS
- **Dept Priority:** 2
- **Project ID:** 75B437
- **Project Type Code:** B01
- **Project Type Description:** Compliance-ADA

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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

Replace existing restrooms to meet ADA requirements - campus wide common areas. Existing restrooms do not meet ADA guidelines.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
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#### PHYSICAL PLANT - NEWARK

**NON-DESTRUCTIVE TESTING**

LOCATION: NEWARK-POWER PLANT

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<th>Project Type Description</th>
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<td>A02</td>
<td>Preservation-HVAC</td>
<td>$200</td>
<td>$200</td>
<td>Increase: $0</td>
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Non-Destructive Testing of High Temperature/High Pressure Pipe - Most existing pipe is 32 years old and must be tested to assure continued reliable operation. Failure would cause a loss of heating, cooling or both.

#### PHYSICAL PLANT - NEWARK

**INSTALL ELECTRIC SURGE ARRESTORS**

LOCATION: NEWARK-POWER PLANT

<table>
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<th>Dept Priority</th>
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<td>Preservation-Electrical</td>
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<td>$200</td>
<td>Increase: $0</td>
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</table>

Installation of surge arrestors on 2 high voltage transformers and 3 Cogenerators turbine electric generators. This provides protection against system due to lightning and over-current spikes.

#### PHYSICAL PLANT - NEWARK

**DOMESTIC HOT WATER SYSTEM REPLACEMENT**

LOCATION: NEWARK - UNIVERSITY HOSPITAL

<table>
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<th>Dept Priority</th>
<th>Project ID</th>
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The system is 30 years old and has exceeded its serviceable life. System is undersized due to growth. Failure would compromise patient services.
University of Medicine and Dentistry

Agency Capital Budget Request
(000's)

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PHYSICAL PLANT - NEWARK

UPGRADE METASYS TO WEB-BASED
LOCATION: NEWARK-ALL BUILDINGS
Dept Priority: 2
Project ID: 75B772
Project Type Code: A02  Project Type Description: Preservation-HVAC

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Operating Impact: Increase: $0 Decrease: $10

Upgrade Metasys Building Management System to web-based system. Metasys access and control would be available to all authorized users at any web-based pc, at any location.

PHYSICAL PLANT - NEWARK

REPLACE CAMPUS FIRE ALARM REPORTING SYSTEM
LOCATION: NEWARK-ALL BUILDINGS
Dept Priority: 2
Project ID: 75B773
Project Type Code: B02  Project Type Description: Compliance-Fire Safety

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Operating Impact: Increase: $0 Decrease: $0

Current fire alarm reporting system is over 30 years old and cannot be repaired or expanded to include new facilities. Failure would compromise life safety and fire alarm notification.

PHYSICAL PLANT - NEWARK

RETRO-COMMISSION OLD BUILDINGS
LOCATION: NEWARK-ALL BUILDINGS
Dept Priority: 2
Project ID: 75B775
Project Type Code: A02  Project Type Description: Preservation-HVAC

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Operating Impact: Increase: $0 Decrease: $50

Perform commissioning on aging HVAC systems to measure performance, recalibrate systems and recommend solutions for improvements. Building occupants will benefit from increases in HVAC efficiencies while offering energy savings.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

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### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### ROOF REPLACEMENT

- **Location:** PISCATAWAY-CABM
- **Dept Priority:** 2
- **Project ID:** 75B434
- **Project Type Code:** A04
- **Project Type Description:** Preservation-Roofs & Moisture Protection

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**Operating Impact:** Increase: $0  Decrease: $0

Replace existing roof, drains and flashings. Existing roof has exceeded its serviceable life.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### PARKING LOT REPAVING & SITE IMPROVEMENTS

- **Location:** PISCATAWAY CAMPUS
- **Dept Priority:** 2
- **Project ID:** 75B436
- **Project Type Code:** F02
- **Project Type Description:** Infrastructure-Roads and Approaches

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**Operating Impact:** Increase: $0  Decrease: $0

Replace existing parking lot which is deteriorating beyond the point of repair.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### ROOF REPLACEMENT

- **Location:** NEW BRUNS.-CHANDLER HLTH CTR
- **Dept Priority:** 2
- **Project ID:** 75B547
- **Project Type Code:** A04
- **Project Type Description:** Preservation-Roofs & Moisture Protection

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**Operating Impact:** Increase: $0  Decrease: $0

Existing roof is beginning to deteriorate. The roof is original to the 15 year old building.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
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**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

ROOF REPLACEMENT

LOCATION: NEW BRUNS.-RWJMS PROF.CTR.

Dept Priority: 2  
Project ID: 75B548  
Project Type Code: A04  
Project Type Description: Preservation-Roofs & Moisture Protection

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Operating Impact: Increase: $0  
Decrease: $0

Existing roof is beginning to deteriorate. The roof is original to the 15 year old building.

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**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

EMERGENCY GENERATOR REPLACEMENT

LOCATION: NEW BRUNS.-MEDICAL EDUC.BLDG.

Dept Priority: 2  
Project ID: 75B550  
Project Type Code: A01  
Project Type Description: Preservation-Electrical

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Operating Impact: Increase: $0  
Decrease: $0

Replacement with larger generator is required.

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**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

ROOF REPLACEMENT

LOCATION: NEW BRUNS.-CLINICAL ACAD. BLDG.

Dept Priority: 2  
Project ID: 75B552  
Project Type Code: A04  
Project Type Description: Preservation-Roofs & Moisture Protection

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</table>

Operating Impact: Increase: $0  
Decrease: $0

Existing roof will be over 16 years old and is original to the building.
University of Medicine and Dentistry

Agency Capital Budget Request (000’s)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK
FIRE ALARM SYSTEM UPGRADE
LOCATION: PISCATAWAY-UBHC
Dept Priority: 2
Project ID: 75B559
Project Type Code: B02 Project Type Description: Compliance-Fire Safety

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Operating Impact: Increase: $0 Decrease: $0
The existing fire alarm system is over 20 years old and has exceeded its serviceable life.

PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK
FIRE ALARM SYSTEM UPGRADE
LOCATION: PISC.-RESEARCH ANNEX
Dept Priority: 2
Project ID: 75B560
Project Type Code: B02 Project Type Description: Compliance-Fire Safety

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Operating Impact: Increase: $0 Decrease: $0
The existing fire alarm system is over 20 years old and has exceeded its serviceable life.

PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK
RETRO-COMMISSION OLD BUILDINGS
LOCATION: PISCATAWAY-ALL BUILDINGS
Dept Priority: 2
Project ID: 75B780
Project Type Code: A02 Project Type Description: Preservation-HVAC

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Operating Impact: Increase: $0 Decrease: $10
Perform commissioning on aging HVAC systems to measure performance, recalibrate systems and recommend solutions for improvements. Building occupants will benefit from increases in HVAC efficiencies while offering energy savings.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|-------------------------|

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

RETRO-COMMISSIONING OLD BUILDINGS

LOCATION: NEW BRUNSWICK-ALL BUILDINGS

Dept Priority: 2

Project ID: 75B782

Project Type Code: A02  Project Type Description: Preservation-HVAC

General: $310  $0  $310  $0  $0

Sub-Total: $310  $0  $310  $0  $0

**Operating Impact:**

*Increase:* $0  *Decrease:* $10

Perform commissioning on aging HVAC systems to measure performance, recalibrate systems and recommend solutions for improvements. Building occupants will benefit from increases in HVAC efficiencies while offering energy savings.

**PHYSICAL PLANT - STRATFORD**

VIVARIUM HVAC SYSTEM

LOCATION: CAMDEN CAMPUS - E&R BUILDING

Dept Priority: 2

Project ID: 75B410

Project Type Code: A02  Project Type Description: Preservation-HVAC

General: $450  $450  $0  $0  $0

Sub-Total: $450  $450  $0  $0  $0

**Operating Impact:**

*Increase:* $0  *Decrease:* $0

The vivarium air distribution system does not adequately distribute supply and return; both air handlers and duct work need to be upgraded. The system is greater than 20 years old. The present condition compromises the environment for research animals.

**PHYSICAL PLANT - STRATFORD**

FUME HOOD REPLACEMENT

LOCATION: CAMDEN CAMPUS - E&R BUILDING

Dept Priority: 2

Project ID: 75B412

Project Type Code: A02  Project Type Description: Preservation-HVAC

General: $400  $400  $0  $0  $0

Sub-Total: $400  $400  $0  $0  $0

**Operating Impact:**

*Increase:* $0  *Decrease:* $0

The fume hoods are greater than 20 years old and do not have the required face velocities for safe operation. These hoods may be a safety hazard.
# University of Medicine and Dentistry

## Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
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</table>

### PHYSICAL PLANT - STRATFORD

#### REPLACE TERRAZZO FLOOR

**LOCATION:** CAMDEN CAMPUS - E&R BUILDING

- Dept Priority: 2
- Project ID: 75B414
- Project Type Code: A06  Project Type Description: Preservation-Other

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**Operating Impact:**

- Increase: $0
- Decrease: $0

The atrium floor has developed moisture problems under the terrazzo floor causing bubbles throughout the entire floor. The floor cannot be repaired and must be replaced. Aesthetically, this atrium entrance floor projects a poor public image and continues to get worse; it is becoming a tripping hazard due to continued de-lamination.

### PHYSICAL PLANT - STRATFORD

#### CHILLER OVERHAUL

**LOCATION:** STRATFORD-SCIENCE CENTER

- Dept Priority: 2
- Project ID: 75B537
- Project Type Code: A02  Project Type Description: Preservation-HVAC

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**Operating Impact:**

- Increase: $0
- Decrease: $0

Overhaul of chillers to avoid equipment failure/damage.

### PHYSICAL PLANT - STRATFORD

#### CHILLER OVERHAUL

**LOCATION:** STRATFORD-A & W CENTER

- Dept Priority: 2
- Project ID: 75B538
- Project Type Code: A02  Project Type Description: Preservation-HVAC

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**Operating Impact:**

- Increase: $0
- Decrease: $0

Overhaul of chiller to avoid an equipment failure/damage which will leave the facility without air conditioning. A vivarium is housed in this facility.
### University of Medicine and Dentistry

**Agency Capital Budget Request**

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#### PHYSICAL PLANT - STRATFORD

**RETO-COMMISSION OLD BUILDINGS**

**LOCATION:** CAMDEN-ALL BUILDINGS

**Dept Priority:** 2  
**Project ID:** 75B785  
**Project Type Code:** A02  
**Project Type Description:** Preservation-HVAC

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**Operating Impact:** Increase: $0  
Decrease: $5

Perform commissioning on aging HVAC systems to measure performance, recalibrate systems and recommend solutions for improvement. Building occupants will benefit from increased HVAC efficiencies while offering energy savings.

#### PHYSICAL PLANT - STRATFORD

**RETO-COMMISSIONING OLD BUILDINGS**

**LOCATION:** STRATFORD-ALL BUILDINGS

**Dept Priority:** 2  
**Project ID:** 75B789  
**Project Type Code:** A02  
**Project Type Description:** Preservation-HVAC

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**Operating Impact:** Increase: $0  
Decrease: $5

Perform commissioning on aging HVAC systems to measure performance, recalibrate systems and recommend solutions for improvements. Building occupants will benefit from increases in HVAC efficiencies while offering energy savings.

#### UMDNJ - NEW JERSEY DENTAL SCHOOL

**NJDS-RESEARCH INITIATIVE IN BIOMATERIALS**

**LOCATION:** NEWARK CAMPUS

**Dept Priority:** 3  
**Project ID:** 75B053  
**Project Type Code:** D02  
**Project Type Description:** Acquisition-Equipment

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**Operating Impact:** Increase: $0  
Decrease: $0

Research equipment to support activities of the Biomaterials Research Center. Justification: The need for expanded biomaterials research activities in dentistry and dental education in general is critical, since a study by the National Institutes of Health indicated that there is a dearth of personnel in this area, and the personnel that currently exist are greying.
# University of Medicine and Dentistry

## Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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### UMNJ - NEW JERSEY DENTAL SCHOOL

#### NJDS-PC REPLACEMENT

- **Location:** Newark Campus
- **Dept Priority:** 3
- **Project ID:** 75B058
- **Project Type Code:** D02 **Project Type Description:** Acquisition-Equipment

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**Sub-Total:** $1,030

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

*Replacement due to Equipment Technology Turnover.*

### UMNJ - NEW JERSEY DENTAL SCHOOL

#### NJDS LOUNGE

- **Location:** Newark Campus
- **Dept Priority:** 3
- **Project ID:** 75B227
- **Project Type Code:** D02 **Project Type Description:** Acquisition-Equipment

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**Sub-Total:** $1,560

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

*The NJDS Expansion will provide space with a new NJDS Student/Faculty & Staff Lounge. Existing lounge will be replaced with student laboratories. Lounge will need furniture to accommodate 150 students at any one time.*

### UMNJ - NEW JERSEY DENTAL SCHOOL

#### RESEARCH LABS - NETWORKING

- **Location:** Newark Campus
- **Dept Priority:** 3
- **Project ID:** 75B228
- **Project Type Code:** D03 **Project Type Description:** Acquisition-Computer Equipment & Systems

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**Sub-Total:** $1,030

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

*Research labs will need to be equipped with PC Workstations to record research data and clinical studies. PC's, printers and workstations.*
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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<td>7 YR PROG</td>
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</table>

UMDNJ - NEW JERSEY DENTAL SCHOOL
P.G. CLINICS - NETWORKING
LOCATION: NEWARK CAMPUS

Dept Priority 3
Project ID: 75B229
Project Type Code: D03 Project Type Description: Acquisition-Computer Equipment & Systems

General: $1,560 | $1,560 | $0 | $0 | $0
Sub-Total: $1,560 | $1,560 | $0 | $0 | $0

Operating Impact: Increase: $0 Decrease: $0
NJDS P.G. Clinics will need to be equipped with pc workstations at each patient operatory to interact with Patient Clinical System. Patient procedure will be tracked by P.G. Students at each workstation. PC's, printers and workstations.

UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS
SHRP - SMART CLASSROOMS
LOCATION: STRATFORD

Dept Priority 3
Project ID: 75B303
Project Type Code: D02 Project Type Description: Acquisition-Equipment

General: $50 | $50 | $0 | $0 | $0
Sub-Total: $50 | $50 | $0 | $0 | $0

Operating Impact: Increase: $0 Decrease: $0
Four smart classrooms that will be equipped with plug and show technology. The following is included: video/data projector, visual presenter, VCR, slide projector, screens, ceiling speakers and amplifiers, cables, connectors, adaptors, lecterns, media closets, projection tables, laptop computer with Zip Drive, printer, specialized lighting, and Ethernet connections if wireless is not possible in the immediate future.

This equipment will greatly enhance the educational experience of our students and help prepare them for leadership roles.

SCHOOL OF OSTEOPATHIC MEDICINE
ROADWAY TO WHITE HORSE PIKE
LOCATION: STRATFORD CAMPUS

Dept Priority 3
Project ID: 75B571
Project Type Code: F02 Project Type Description: Infrastructure-Roads and Approaches

General: $2,500 | $2,500 | $0 | $0 | $0
Sub-Total: $2,500 | $2,500 | $0 | $0 | $0

Operating Impact: Increase: $0 Decrease: $0
Construct roadway providing access to campus from White Horse Pike - State Highway 30.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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<tr>
<td>7 YR PROG</td>
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</table>

**SCHOOL OF OSTEOPATHIC MEDICINE**

**VAScular LAB**
LOCATION: STRATFORD-UNIV. DOCTOR'S PAV.
Dept Priority: 3
Project ID: 75B581
Project Type Code: D02  Project Type Description: Acquisition-Equipment

| General | $75 | $0 | $75 | $0 | $0 |
| Sub-Total | $75 | $0 | $75 | $0 | $0 |

**Operating Impact:**
Increase: $0  Decrease: $75

Additional ultrasound, generators, lease.

**SCHOOL OF OSTEOPATHIC MEDICINE**

**CELL SORTING FACILITY**
LOCATION: STRATFORD - SCIENCE CENTER
Dept Priority: 3
Project ID: 75B587
Project Type Code: E03  Project Type Description: Construction-Renovations and Rehabilitation

| General | $1,000 | $0 | $0 | $0 | $0 |
| Sub-Total | $1,000 | $0 | $0 | $0 | $0 |

**Operating Impact:**
Increase: $0  Decrease: $0

Another core facility that would house equipment needed by a number of basic science laboratories at SOM to study various aspects of cell biology. These would include cell cycle analysis, signal transduction, cell development and related aspects. SOM Basic Sciences does not have any of this equipment, nor do the faculty have ready access to this equipment. As the Basic Science faculty grows, the need for this equipment will be even greater. A fiscal investment at this level will be a first for us in terms of expanding our limited infrastructure. These needed items will also aid tremendously in our recruitment effort to attract additional, competitive and federally funded investigators to our School.

**SCHOOL OF OSTEOPATHIC MEDICINE**

**NMR COLD PROBE AND CONSOLE UPGRADE**
LOCATION: SCIENCE CTR.-STRATFORD CAMPUS
Dept Priority: 3
Project ID: 75B652
Project Type Code: D02  Project Type Description: Acquisition-Equipment

| General | $300 | $0 | $300 | $0 | $0 |
| Sub-Total | $300 | $0 | $300 | $0 | $0 |

**Operating Impact:**
Increase: $0  Decrease: $0

To upgrade existing NMR. The magnet is still good, but there are new techniques and software now available to greatly enhance research capabilities.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
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</table>

**SCHOOL OF OSTEOPATHIC MEDICINE**

PBX EXPANSION

- **Dept Priority**: 3
- **LOCATION**: STRATFORD CAMPUS
- **Project ID**: 75B827
- **Project Type Code**: D03  
  Project Type Description: Acquisition-Computer Equipment & Systems

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Expand existing PBX phone system into remaining buildings (Academic Center and Science Center) to improve voice and messaging services.

**UNIVERSITY WIDE**

ELEVATOR REPLACEMENT

- **Dept Priority**: 3
- **LOCATION**: NEWARK-GEORGE F. SMITH LIBRARY
- **Project ID**: 75B836
- **Project Type Code**: A03  
  Project Type Description: Preservation-Critical Repairs

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The elevator in the Smith Library is in critical need of replacement. Installed when the Library was built in 1975, the elevator is poorly lit and requires frequent repair. Disabled patrons, who must use the elevator, are reluctant to do so because of the frequent breakdowns. The elevator provides access to the "A" level, and specific controls are needed to restrict its use by non-authorized personnel. New developments with regard to ADA compliance, safety, sound mechanical operation, lighting and high frequency use make the replacement of the elevator imperative.

**PHYSICAL PLANT - NEWARK**

SPRINKLER INSTALLATION

- **Dept Priority**: 3
- **LOCATION**: NEWARK - UNIVERSITY HOSPITAL
- **Project ID**: 75B477
- **Project Type Code**: B02  
  Project Type Description: Compliance-Fire Safety

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Install sprinklers throughout the building to meet current fire codes. Failure to perform this work compromises life/safety.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
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**PHYSICAL PLANT - NEWARK**

STANLEY S. BERGEN BUILDING BOILER REPLACEMENT

LOCATION: NEWARK CAMPUS-SSB

Dept Priority 3
Project ID: 75B541
Project Type Code: A02 Project Type Description: Preservation-HVAC

| General: | $250 | $250 | $0 | $0 | $0 |
| Sub-Total: | $250 | $250 | $0 | $0 | $0 |

Operating Impact:
Increase: $0
Decrease: $100

Replace existing deteriorated boilers with new state-of-the-art energy efficient boilers.

**PHYSICAL PLANT - NEWARK**

INSTALL "BLACK START" ON TURBINE GENERATORS

LOCATION: NEWARK POWER PLANT

Dept Priority 3
Project ID: 75B542
Project Type Code: A01 Project Type Description: Preservation-Electrical

| General: | $1,500 | $0 | $1,500 | $0 | $0 |
| Sub-Total: | $1,500 | $0 | $1,500 | $0 | $0 |

Operating Impact:
Increase: $0
Decrease: $0

Install Black Start on cogeneration turbine electric generators - The existing Cogeneration portion of Newark Power Plant has the ability to produce 10.3 Megawatts of electrical power, enough to completely power University Hospital, Newark Power Plant and other buildings during an electrical power blackout. Power Plant operations could be maintained during a blackout. This project would install the equipment required to perform Black Start operations.

**PHYSICAL PLANT - NEWARK**

FIRE SPRINKLER INSTALLATION

LOCATION: NEWARK-MEDICAL SCIENCE BLDG.

Dept Priority 3
Project ID: 75B750
Project Type Code: B02 Project Type Description: Compliance-Fire Safety

| General: | $4,700 | $0 | $0 | $4,700 | $0 |
| Sub-Total: | $4,700 | $0 | $0 | $4,700 | $0 |

Operating Impact:
Increase: $0
Decrease: $0

Existing building requires sprinkler fire suppression system for all above ground floors. This is required for property protection and to meet current codes.
University of Medicine and Dentistry

Agency Capital Budget Request

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**PHYSICAL PLANT - NEWARK**

**INSTALL THIRD ELECTRICAL FEEDER**

LOCATION: NEWARK-POWER PLANT

Dept Priority: 3  
Project ID: 75B761  
Project Type Code: A01  
Project Type Description: Preservation-Electrical

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**Operating Impact:** 
Increase: $0  
Decrease: $0

Install third electrical feeder from PSE&G substation. The two existing feeders from PSE&G are close to maximum capacity due to campus growth. (Electrical switchgear replacement must be done in conjunction with this work.) The third feeder is required to maintain campus electrical service.

**PHYSICAL PLANT - NEWARK**

**REPLACE 208 VOLT SWITCHGEAR**

LOCATION: NEWARK-SSB BUILDING

Dept Priority: 3  
Project ID: 75B762  
Project Type Code: A01  
Project Type Description: Preservation-Electrical

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**Operating Impact:** 
Increase: $0  
Decrease: $0

Replace the main 208 volt switchgear located in the boiler room area of the Stanley S. Bergen, Jr. Building. This switchgear is over 50 years old and parts or spare breakers are not available. Failure would cause a loss of power to the building elevators and lower floors.

**PHYSICAL PLANT - NEWARK**

**REPOINT AND CAULK BUILDING EXTERIOR**

LOCATION: NEWARK-SSB BUILDING

Dept Priority: 3  
Project ID: 75B764  
Project Type Code: A04  
Project Type Description: Preservation-Roofs & Moisture Protection

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**Operating Impact:** 
Increase: $0  
Decrease: $10

Brick exterior facades are over 50 years old and have failed mortar and caulk joints below the 9th floor. The exterior facades of floors 9 and above were completed with renovations of these floors. Failure has and does cause air and water infiltration throughout the building.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|--------------------------|

### PHYSICAL PLANT - NEWARK

**ELEVATOR ELECTRIC SERVICE UPGRADES**

- **Location:** Newark-SSB Building
- **Project ID:** 75B765
- **Project Type Code:** A01  
  **Project Type Description:** Preservation-Electrical

| General | $250 | $250 | $0 | $0 | $0 |
| Sub-Total | $250 | $250 | $0 | $0 | $0 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Existing elevator electric service is over 50 years old and has well exceeded its serviceable life. Failure would result in a loss of elevator service to all floors and executive areas.

### PHYSICAL PLANT - NEWARK

**INSTALL MEDICAL GAS VALVES ON EACH FLOOR**

- **Location:** Newark-University Hospital
- **Project ID:** 75B770
- **Project Type Code:** A06  
  **Project Type Description:** Preservation-Other

| General | $150 | $0 | $0 | $150 | $0 |
| Sub-Total | $150 | $0 | $0 | $150 | $0 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Existing medical gas distribution system lacks valves on each floor at each riser, to limit exposure during an emergency or maintenance shutdown. Emergency or maintenance shutdowns of medical gases has and does cause loss of service to entire University Hospital wings, all floors.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**AIR HANDLER REPLACEMENT**

- **Location:** Piscataway - Research Annex
- **Project ID:** 75B429
- **Project Type Code:** A02  
  **Project Type Description:** Preservation-HVAC

| General | $200 | $200 | $0 | $0 | $0 |
| Sub-Total | $200 | $200 | $0 | $0 | $0 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Existing air handlers for the HVAC system are 15 years old and have exceeded their serviceable life. Failure would cause loss of HVAC for the building and laboratories.
## University of Medicine and Dentistry

### Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### AIR HANDLER REPLACEMENT

LOCATION: PISCATAWAY-RESEARCH TOWER ADD.

Dept Priority: 3  
Project ID: 75B431  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Existing air handlers for the HVAC system are 20 years old and have exceeded their serviceable life. Failure would cause loss of cooling for the building and vivarium.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### ELEVATOR UPGRADE

LOCATION: NEW BRUNS.-RWJMS PROF. CTR.

Dept Priority: 3  
Project ID: 75B549  
Project Type Code: A03  
Project Type Description: Preservation-Critical Repairs

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Upgrade to existing (2) elevators that are original to building and have not received any modification.

### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

#### EMERGENCY GENERATOR UPGRADE

LOCATION: PISCATAWAY-RWJMS

Dept Priority: 3  
Project ID: 75B561  
Project Type Code: A01  
Project Type Description: Preservation-Electrical

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</table>

**Operating Impact:**  
Increase: $0  
Decrease: $0

Upgrade Emergency Generation System with the addition of a 350 kw emergency generator to shore the load with the existing generator, which is 25 years old.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

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</table>

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

ELEVATOR UPGRADE

LOCATION: PISCATAWAY-CABM

Dept Priority: 3

Project ID: 75B562

Project Type Code: A03 Project Type Description: Preservation-Critical Repairs

| General:          | $150 | $150 | $0 | $0 | $0 |
| Sub-Total:        | $150 | $150 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

Upgrade existing (2) elevators that are original to building and have not received any modification.

**PHYSICAL PLANT - STRATFORD**

AIR HANDLER/VAV BOX RETROFIT

LOCATION: CAMDEN CAMPUS - E&R BUILDING

Dept Priority: 3

Project ID: 75B409

Project Type Code: A02 Project Type Description: Preservation-HVAC

| General:          | $2,250 | $2,250 | $0 | $0 | $0 |
| Sub-Total:        | $2,250 | $2,250 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

The air-handling unit that serves the laboratory area cannot deliver more air than it is currently delivering; the air changes in the laboratory range from 4 to 6 air changes per hour (ACH). The current Laboratory Guidelines published by EOHSS require a minimum of 10 ACH and no recirculated air from the laboratories; the current configuration recirculates laboratory air. The air handler, cooling coil (with the present chiller) and VAV boxes are inadequate for future laboratory: research, programs or renovations. The laboratory systems cannot accommodate any future research programs without adverse safety effects to building occupants.

**PHYSICAL PLANT - STRATFORD**

CHILLER REPLACEMENT

LOCATION: CAMDEN CAMPUS - E&R BUILDING

Dept Priority: 3

Project ID: 75B415

Project Type Code: A02 Project Type Description: Preservation-HVAC

| General:          | $370 | $370 | $0 | $0 | $0 |
| Sub-Total:        | $370 | $370 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

The chiller is inadequate and needs to be upgraded because it cannot handle the existing cooling load. Any laboratory renovations or additional equipment will exacerbate the deficiency. No additional research programs or equipment can be programmed into this facility. The lack of capacity has an adverse effect on the vivarium and research programs.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
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<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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#### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

**SHRP-SCOTCH PLAINS RM.331 CONVERSION TO CONF.ROOM**

- **LOCATION:** SCOTCH PLAINS CAMPUS

- **Dept Priority:** 4
- **Project ID:** 75B302
- **Project Type Code:** E03
  - **Project Type Description:** Construction-Renovations and Rehabilitation

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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

- 357 sq. ft. @ $150 per sq. ft. Sheetrock walls, paint lower half, wallpaper upper half, install chair rail, carpet, improve lighting, create small conference room directly across from Conference Center. Install service counter with sink and refrigerator.

- Need small conference room accessible to conference center for Break-out group use. Will also serve as self-contained conference room.

#### SCHOOL OF OSTEOPATHIC MEDICINE

**ADDITIONAL PARKING**

- **LOCATION:** STRATFORD CAMPUS

- **Dept Priority:** 4
- **Project ID:** 75B573
- **Project Type Code:** F02
  - **Project Type Description:** Infrastructure-Roads and Approaches

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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

- Construct 425 parking spaces to accommodate anticipated shortfall caused by program expansions in all schools on Stratford campus.

#### SCHOOL OF OSTEOPATHIC MEDICINE

**MASS SPEC MASS SPEC (MSMS)**

- **LOCATION:** SCIENCE CTR.-STRATFORD CAMPUS

- **Dept Priority:** 4
- **Project ID:** 75B653
- **Project Type Code:** D02
  - **Project Type Description:** Acquisition-Equipment

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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

- Mass Spectrometry High Resolution unit combined with an HPLC electrospray system. This system will be used for clinical trials and to provide a service (income generating) to local universities and colleges in South Jersey. There is no such system at UMDNJ or in South Jersey.
## University of Medicine and Dentistry

### Agency Capital Budget Request (000's)

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<th>TOTAL COST 7 YR PROG</th>
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Replace end of life data electronics.

---

### PHYSICAL PLANT - NEWARK

#### HVAC UNIT REPLACEMENT FOR ADMINISTRATIVE COMPLEX,

LOCATION: NEWARK-ADMIN. COMPLEX

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Systems are 33 years old and have exceeded their serviceable life. Failure would result in loss of HVAC for buildings 1, 4 and 16.

---

### PHYSICAL PLANT - NEWARK

#### INSTALL CONDENSATE DRAIN SYSTEM

LOCATION: NEWARK-DENTAL SCHOOL

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Existing condensate system for HVAC induction unit is 30 years old and has failed. Failure has and does cause minor water leaks throughout the building during summer cooling.
University of Medicine and Dentistry

Agency Capital Budget Request

|------------|---------------------|---------------------|---------------------|--------------------------|

**PHYSICAL PLANT - Newark**

**Window Gaskets and Internal Blinds**

- **Location:** Newark - University Hospital
- **Project ID:** 75B476
- **Project Type Code:** B03
- **Project Type Description:** Compliance-Other

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

These gaskets and internal blinds are 30 years old and have exceeded their serviceable life. Failure continues to limit our ability to control pressure and temperature in patient rooms and non-operable blinds do not conform to JCAHO patient privacy regulations.

**PHYSICAL PLANT - Newark**

**Upgrade Metasys Controls (Digital)**

- **Location:** Newark - All Buildings
- **Project ID:** 75B480
- **Project Type Code:** A02
- **Project Type Description:** Preservation-HVAC

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $50

Existing building thermostats are 30 years old and have exceeded their serviceable life. Replace existing room thermostats with digital controls mapped to the Metasys System.

**PHYSICAL PLANT - Piscataway/New Brunswick**

**Rest Room Renovations**

- **Location:** New Brunswick - Med. Ed. Build
- **Project ID:** 75B417
- **Project Type Code:** E03
- **Project Type Description:** Construction-Renovations and Rehabilitation

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

The existing rest room facilities are 23 years old and have exceeded their serviceable life. Ceramic tiles are cracking and counters/toilet partitions have failed. Continued failures compromise the ability to provide a safe and sanitary environment.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

|-------------|---------------------|---------------------|---------------------|--------------------------|

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**HEAT EXCHANGER REPLACEMENT**

LOCATION: NEW BRUNSWICK - MED. ED. BUILD

Dept Priority: 4
Project ID: 75B419
Project Type Code: A02 Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0 Decrease: $0

The existing heat exchangers are 23 years old and have exceeded their serviceable life. Failure would cause loss of heat for the building, including laboratories and the vivarium.

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**CHILLER REPLACEMENT**

LOCATION: PISCATAWAY-RESEARCH ANNEX

Dept Priority: 4
Project ID: 75B430
Project Type Code: A02 Project Type Description: Preservation-HVAC

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**Operating Impact:** Increase: $0 Decrease: $0

Existing chillers for the HVAC system are 15 years old and have exceeded their serviceable life. Failure would cause loss of HVAC for the building and laboratories.

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**ASBESTOS FLOOR TILE REPLACEMENT**

LOCATION: PISCATAWAY-RWJMS

Dept Priority: 4
Project ID: 75B565
Project Type Code: C02 Project Type Description: Environmental-Asbestos

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**Operating Impact:** Increase: $0 Decrease: $0

Current floor tiles in corridors are coming up, due to age and water damage. They need to be removed by an asbestos removal contractor and new VCT to be installed.
## University of Medicine and Dentistry

### Agency Capital Budget Request

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</table>

### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

**SHRP-DISTANCE LEARNING ROOM-PISCATAWAY**

**LOCATION:** PISCATAWAY

- **Dept Priority:** 5
- **Project ID:** 75B041
- **Project Type Code:** D02
- **Project Type Description:** Acquisition-Equipment

| General: | $150 | $0 | $150 | $0 | $0 |
| Sub-Total: | $150 | $0 | $150 | $0 | $0 |

**Operating Impact:**

- Increase: $0
- Decrease: $0

Equipment needed to prepare class room for distance learning capability.

---

### SCHOOL OF OSTEOPATHIC MEDICINE

**REPLACE FLOOR TILE - UDP**

**LOCATION:** UNIVERSITY DOCTORS PAVILLION

- **Dept Priority:** 5
- **Project ID:** 75B654
- **Project Type Code:** B03
- **Project Type Description:** Compliance-Other

| General: | $50 | $0 | $0 | $0 | $0 |
| Sub-Total: | $50 | $0 | $0 | $0 | $0 |

**Operating Impact:**

- Increase: $0
- Decrease: $0

Replace/repair floor tile on third floor due to uneven layout of tiles - trip hazard.

---

### SCHOOL OF OSTEOPATHIC MEDICINE

**NETWORK DATA EQUIPMENT SCIENCE CENTER**

**LOCATION:** STRATFORD-SCIENCE CENTER

- **Dept Priority:** 5
- **Project ID:** 75B825
- **Project Type Code:** D03
- **Project Type Description:** Acquisition-Computer Equipment & Systems

| General: | $220 | $0 | $0 | $0 | $0 |
| Sub-Total: | $220 | $0 | $0 | $0 | $0 |

**Operating Impact:**

- Increase: $0
- Decrease: $0

Replace end of life network data equipment.
## University of Medicine and Dentistry

### Agency Capital Budget Request

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<td><strong>REQUESTED</strong></td>
<td><strong>REQUESTED</strong></td>
<td><strong>REQUESTED</strong></td>
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</table>

### UNIVERSITY WIDE

**IDENTITY MANAGEMENT**

- **LOCATION:** UNIVERSITY-WIDE
- **Dept Priority:** 5
- **Project ID:** 75B728
- **Project Type Code:** D03
- **Project Type Description:** Acquisition-Computer Equipment & Systems

| General | $1,335 | $555 | $130 | $130 | $520 |
| Sub-Total | $1,335 | $555 | $130 | $130 | $520 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

To provide an account management tool that provides the ability for directory synchronization of multiple database platforms.

### PHYSICAL PLANT - NEWARK

**DOMESTIC WATER HEATER REPLACEMENTS**

- **LOCATION:** NEWARK-ADMINISTRATIVE COMPLEX
- **Dept Priority:** 5
- **Project ID:** 75B438
- **Project Type Code:** A02
- **Project Type Description:** Preservation-HVAC

| General | $150 | $0 | $0 | $0 | $0 |
| Sub-Total | $150 | $0 | $0 | $0 | $0 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Systems are 33 years old and have exceeded their serviceable life. Failure would result in loss of HVAC for buildings.

### PHYSICAL PLANT - NEWARK

**BOILER REPLACEMENT**

- **LOCATION:** NEWARK-ADMIN.COMPLEX
- **Dept Priority:** 5
- **Project ID:** 75B463
- **Project Type Code:** F01
- **Project Type Description:** Infrastructure-Energy Improvements

| General | $250 | $0 | $0 | $0 | $0 |
| Sub-Total | $250 | $0 | $0 | $0 | $0 |

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Boiler units are 33 years old and have exceeded their serviceable life. Units are to be replaced by smaller, more efficient units suited to the building's current use. Failure would cause a loss of heat to the Administrative Buildings serviced by the units.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

**PHYSICAL PLANT - NEWARK**

**EXTERIOR EXPANSION JOINT REPLACEMENT**

LOCATION: NEWARK-MEDICAL SCIENCE BLDG.

Dept Priority: 5  
Project ID: 75B486  
Project Type Code: A04  
Project Type Description: Preservation-Roofs & Moisture Protection

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The expansion joints/caulking are original to the facility and have begun to spring open throughout. Failure to replace/repair will and has resulted in outside air infiltration throughout the building, which increases the possibility of freeze-ups and floods during extreme weather conditions.

**PHYSICAL PLANT - NEWARK**

**EXTERIOR EXPANSION JOINT REPLACEMENT**

LOCATION: NEWARK-DENTAL SCHOOL

Dept Priority: 5  
Project ID: 75B489  
Project Type Code: A04  
Project Type Description: Preservation-Roofs & Moisture Protection

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**Operating Impact:**  
Increase: $0  
Decrease: $0

The expansion joints/caulking are original to the facility and have begun to spring open throughout. Failure to replace/repair will and has resulted in outside air infiltration throughout the building, which increases the possibility of freeze-ups and floods during extreme weather conditions.

**PHYSICAL PLANT - NEWARK**

**CHILLER REPLACEMENT**

LOCATION: UNION CTY COLL-UCC LEASED BLDG

Dept Priority: 5  
Project ID: 75B491  
Project Type Code: A02  
Project Type Description: Preservation-HVAC

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Chillers are 25 years old and have exceeded their serviceable life. Failure would result in a loss of cooling, which would disrupt education.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>
| **PHYSICAL PLANT - NEWARK**
  CLEAN, CAULK, SEAL EXTERIOR
  LOCATION: SMITH LIB.-NWK. (ALL LEVELS)
  Dept Priority 5
  Project ID: 75B749
  Project Type Code: A04
  Project Type Description: Preservation-Roofs & Moisture Protection
| General | $200 | $200 | $0 | $0 | $0 |
| Sub-Total | $200 | $200 | $0 | $0 | $0 |

**Operating Impact:**
- Increase: $0
- Decrease: $0

Clean, caulk, seal exterior. Exterior facades have failed. Caulking and spalling concrete. Failure has and does cause water and air infiltration throughout the building.

#### PHYSICAL PLANT - NEWARK

REMOVE ABANDONED PLENUM WIRE

LOCATION: NEWARK-ALL BUILDINGS

Dept Priority 5
Project ID: 75B774
Project Type Code: B03
Project Type Description: Compliance-Other

| General | $2,780 | $0 | $0 | $0 | $2,780 |
| Sub-Total | $2,780 | $0 | $0 | $0 | $2,780 |

**Operating Impact:**
- Increase: $0
- Decrease: $0

Remove all unused and abandoned plenum wires run in above ceiling cavities. This must be done to meet code requirements.

#### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

CHILLER REPLACEMENT

LOCATION: NEW BRUNSWICK-CHANDLER HTH CTR

Dept Priority 5
Project ID: 75B424
Project Type Code: A02
Project Type Description: Preservation-HVAC

| General | $200 | $200 | $0 | $0 | $0 |
| Sub-Total | $200 | $200 | $0 | $0 | $0 |

**Operating Impact:**
- Increase: $0
- Decrease: $0

The roof-top chiller is 10 years old and is failing and unreliable. Frequent repairs have been ineffective. Failure would cause loss of cooling for the building and clinics.
University of Medicine and Dentistry

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<tbody>
<tr>
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**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**RESTROOM RENOVATIONS**

LOCATION: PISCATAWAY-RWJMS

Dept Priority 5

Project ID: 75B566

Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

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**Operating Impact:**

*Increase:* $0  
*Decrease:* $0

The existing restroom facilities are over 35 years old and have exceeded their serviceable life. Ceramic tiles are cracking and counters/toilet partitions have failed.

---

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**INSTALL 2 ADDITIONAL ELEVATORS**

LOCATION: PISCATAWAY-RWJ MEDICAL SCHOOL

Dept Priority 5

Project ID: 75B777

Project Type Code: F04 Project Type Description: Infrastructure-Other

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<tr>
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<td>$500</td>
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**Operating Impact:**

*Increase:* $0  
*Decrease:* $0

The Tower Building is designed for six (6) elevators. Three (3) were installed and are original to the 35+ year old building. The additional elevators are necessary to accommodate the growth of staff, students and researchers.

---

**PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK**

**REMOVE ABANDONED PLENUM WIRE**

LOCATION: PISCATAWAY-ALL BUILDINGS

Dept Priority 5

Project ID: 75B779

Project Type Code: B03 Project Type Description: Compliance-Other

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**Operating Impact:**

*Increase:* $0  
*Decrease:* $0

Remove all unused and abandoned plenum wires run in above ceiling cavities. The majority of the wiring is abandoned telecommunication wiring. This must be done to meet code requirements.
### University of Medicine and Dentistry

**Agency Capital Budget Request**

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### PHYSICAL PLANT - PISCATAWAY/NEW BRUNSWICK

**REMOVE ABANDONED PLENUM WIRE**

LOCATION: NEW BRUNSWICK-ALL BUILDINGS

Dept Priority: 5  
Project ID: 75B781  
Project Type Code: B03  
Project Type Description: Compliance-Other

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Remove all unused and abandoned plenum wires run in above ceiling cavities. The majority of the wiring is abandoned telecommunications wiring. This must be done to meet code requirements.

### PHYSICAL PLANT - STRATFORD

**REMOVE ABANDONED PLENUM WIRE**

LOCATION: CAMDEN-ALL BUILDINGS

Dept Priority: 5  
Project ID: 75B784  
Project Type Code: B02  
Project Type Description: Compliance-Fire Safety

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Remove all unused and abandoned plenum wire run in above ceiling cavities. This must be done to meet code requirements.

### PHYSICAL PLANT - STRATFORD

**REMOVE ABANDONED PLENUM WIRES**

LOCATION: STRATFORD-ALL BUILDINGS

Dept Priority: 5  
Project ID: 75B788  
Project Type Code: B03  
Project Type Description: Compliance-Other

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Remove all unused and abandoned plenum wires run in above ceiling cavities. This must be done to meet code requirements.
University of Medicine and Dentistry

Agency Capital Budget Request

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<tr>
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UMDNJ - NEW JERSEY MEDICAL SCHOOL

RENOVATION OF THE MEDICAL SCIENCE BUILDING

LOCATION: NEWARK CAMPUS

Dept Priority: 6  
Project ID: 75B532  
Project Type Code: E03  
Project Type Description: Construction-Renovations and Rehabilitation

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<td>$63,720</td>
<td>$201,780</td>
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Operating Impact: Increase: $0  
Decrease: $0

A complete renovation of the Medical Science Building, including the electrical, plumbing, security, data network and HVAC systems. A complete renovation of the MSB is estimated to cost upwards of $354 million. If a large scale renovation of the MSB is not feasible for the University at this time, we would like to work with Facilities, Planning and Construction to see if a system-by-system approach could be considered.

UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

RESEARCH EQUIPMENT

LOCATION: NEWARK-SSB BUILDING

Dept Priority: 6  
Project ID: 75B800  
Project Type Code: D02  
Project Type Description: Acquisition-Equipment

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Operating Impact: Increase: $0  
Decrease: $0

Purchase of MedGem 100 Calorimeter, RJL Bioelectrical Impedance Analyzer and Information Management System, Cholestech LDX Analyzer, Breathing Simulator, Programmable Microtiter Plate Washer, Luminex 200 System for sensitively quantitating many analytes, Bone Densitometer, GAITRite to accurately measure parameters of ambulation, Kistler Force plates for motion analysis lab. This equipment is needed to support faculty and student research efforts.

SCHOOL OF OSTEOPATHIC MEDICINE

ADVANCED WEB

LOCATION: STRATFORD-ACADEMIC/DATA CTR.

Dept Priority: 6  
Project ID: 75B820  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

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Operating Impact: Increase: $13  
Decrease: $0

Required software upgrade for Faculty Practice Plan management system.
## University of Medicine and Dentistry

### Agency Capital Budget Request

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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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</thead>
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**SCHOOL OF OSTEOPATHIC MEDICINE**

**PEDESTRIAN CONNECTION TO ADJACENT PARKING**

**LOCATION:** STRATFORD CAMPUS

Dept Priority: 6  
Project ID: 75B831  
Project Type Code: E02  
Project Type Description: Construction-New

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Provide safe connection to adjacent parking lot (sidewalk/lights/security phone).

---

**UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS**

**SHRP-MOTION ANALYSIS EQUIPMENT**

**LOCATION:** NEWARK CAMPUS-SSB

Dept Priority: 7  
Project ID: 75B037  
Project Type Code: D02  
Project Type Description: Acquisition-Equipment

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**Operating Impact:**  
Increase: $0  
Decrease: $0

To upgrade and expand our current system to provide state of art kinematic/EMB force analyses.

---

**SCHOOL OF OSTEOPATHIC MEDICINE**

**BUSINESS OFFICE PHONE AND DATA UPGRADE**

**LOCATION:** VOORHEES-BUSINESS OFFICE

Dept Priority: 7  
Project ID: 75B072  
Project Type Code: D02  
Project Type Description: Acquisition-Equipment

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**Operating Impact:**  
Increase: $0  
Decrease: $0

Upgrade of antiquated phone system to integrated SOM PBX phone system/switch.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
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<th>REQUESTED FY 2012 - 2015</th>
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</table>

SCHOOL OF OSTEOPATHIC MEDICINE

VIVARIUM CHILLER

Dept Priority: 7
Project ID: 75B575
Project Type Code: A02 Project Type Description: Preservation-HVAC

| General | $50 | $50 | $0 | $0 | $0 |
| Sub-Total | $50 | $50 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

A separate chiller for the HVAC system in the vivarium is required to maintain temperature and humidity within federal guidelines for the lab animals during spring and fall, when building chillers are not turned on.

UNIVERSITY WIDE

HIGH BANDWIDTH WIDE AREA NETWORK UPGRADE

Dept Priority: 7
Project ID: 75B718
Project Type Code: D03 Project Type Description: Acquisition-Computer Equipment & Systems

| General | $2,989 | $427 | $427 | $427 | $1,708 |
| Sub-Total | $2,989 | $427 | $427 | $427 | $1,708 |

Operating Impact: Increase: $0 Decrease: $0

The UMDNJ Wide area network was last upgraded in 1999 and is based on a legacy Asynchronous Transfer Mode, (ATM) architecture. The network hardware platforms to which the campuses are connected, have minimal redundancy and are not designed to process and transport network traffic, generated in today’s computing environment. Additionally, this legacy architecture prohibits the creation of potential hot backup sites with the institution and across campuses, and does not meet the computing needs of University researchers and high-end computer users. The legacy network hardware platform will be upgraded to new high speed routers and switches. The Wide Area Network Topology will be upgraded from ATM to a DWDM, (Dense Wave Division Multiplexing) environment, which will provide the capability to provide up to 32 ten gigabit connections between campus locations. The network topology has been designed in a ring format to ensure that the maximum amount of redundancy is achieved. The Intranet and Extranet network up-time and availability will increase to 99.9999 percent.

UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

SHRP-HUMAN PATIENT SIMULATORS

Dept Priority: 8
Project ID: 75B040
Project Type Code: D02 Project Type Description: Acquisition-Equipment

| General | $100 | $100 | $0 | $0 | $0 |
| Sub-Total | $100 | $100 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $0

State of the art simulator with complete range of human responses to clinical/emergency situation. Multiple profession use: RT, EMT, RN, etc. Equipment will greatly enhance clinical skills and decision making. This simulator would be a great complement to the 9th floor of the Stanley S. Bergen, Jr. Building and Piscataway campus.
University of Medicine and Dentistry

Agency Capital Budget Request

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
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### SCHOOL OF OSTEOPATHIC MEDICINE

**WIRELESS CONNECTIVITY - EXTERIOR**

**LOCATION:** STRATFORD

Dept Priority 8  
Project ID: 75B276  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

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</table>

Sub-Total: $50  
Decrease: $0  
Increase: $0

**Operating Impact:** Increase: $0  
Decrease: $0

Purchase and install wireless connectivity to enable students and staff to have access to Internet/World Wide Web outside buildings without hardwire connections.

### UNIVERSITY WIDE

**DATA CENTER BACKUP SOLUTION**

**LOCATION:** UNIVERSITY-WIDE

Dept Priority 8  
Project ID: 75B700  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

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Sub-Total: $633  
Decrease: $0  
Increase: $0

**Operating Impact:** Increase: $0  
Decrease: $0

Backup existing data on supported Enterprise-class Tape Library and protect exponential data growth.

### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

**SHRP-VIRTUAL REALITY THERAPEUTIC INTERVENTION**

**LOCATION:** NEWARK CAMPUS-SSB

Dept Priority 9  
Project ID: 75B039  
Project Type Code: D02  
Project Type Description: Acquisition-Equipment

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Sub-Total: $55  
Decrease: $0  
Increase: $0

**Operating Impact:** Increase: $0  
Decrease: $0

To purchase an Equitest Balance system to interface with and extend our research in Virtual Reality and therapeutic intervention.
University of Medicine and Dentistry

### Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
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#### SCHOOL OF OSTEOPATHIC MEDICINE

**PRACTICE MGMT. SYSTEM REINSTALL**

- **Location:** STRATFORD-FPP MULTIPLE SITES
- **Dept Priority:** 9
- **Project ID:** 75B819
- **Project Type Code:** D03
- **Project Type Description:** Acquisition-Computer Equipment & Systems

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<td>$0</td>
<td>$0</td>
</tr>
</tbody>
</table>

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

Redesign system hierarchy to meet FPP operational changes as well as clinical systems integration.

#### UNIVERSITY WIDE

**ENTERPRISE MANAGED STORAGE SERVICES**

- **Location:** UNIVERSITY-WIDE
- **Dept Priority:** 9
- **Project ID:** 75B702
- **Project Type Code:** D03
- **Project Type Description:** Acquisition-Computer Equipment & Systems

<table>
<thead>
<tr>
<th>General</th>
<th>$990</th>
<th>$874</th>
<th>$29</th>
<th>$29</th>
<th>$58</th>
</tr>
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<tbody>
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<td>Sub-Total</td>
<td>$990</td>
<td>$874</td>
<td>$29</td>
<td>$29</td>
<td>$58</td>
</tr>
</tbody>
</table>

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

The management of data from collection throughout its lifecycle of synthesis into information and finally knowledge cannot be taken for granted or left to chance. In fact, Federal granting agencies keenly recognize and assume that institutions already have or are building into their infrastructure the facilities to manage data throughout its useful life and make it available for the collaborative efforts that are becoming the norm in attracting grant dollars. Rapidly evolving technologies such as Internet2 and LambdaRail are demanding far more synergistic approaches and connections between computers, storage, networks and people. Institutions that do no recognize these trends will be significantly disadvantaged in the funding arena for high-end, collaborative research.

#### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

**REHAB. IN VIRTUAL REALITY FOR PERSONS WITH STROKE**

- **Location:** NEWARK CAMPUS - SSB
- **Dept Priority:** 10
- **Project ID:** 75B292
- **Project Type Code:** D02
- **Project Type Description:** Acquisition-Equipment

<table>
<thead>
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<td>$0</td>
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</tbody>
</table>

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

Purchase of a Haptic Master force feedback apparatus to expand current physical therapy research.
### University of Medicine and Dentistry

**Agency Capital Budget Request (000's)**

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

#### SCHOOL OF OSTEOPATHIC MEDICINE

**TRANSACTION EDITING SYSTEM**

<table>
<thead>
<tr>
<th>Dept Priority</th>
<th>Location: STRATFORD</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
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</tbody>
</table>

**Project ID:** 75B281

**Project Type Code:** D03

**Project Type Description:** Acquisition-Computer Equipment & Systems

<table>
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<td>$0</td>
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</tbody>
</table>

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

**Increase:** $0

**Decrease:** $0

Purchase and install Transaction-Editing System for GE Healthcare. This software is a tool that reduces front-end rejections from a registration perspective.

#### UNIVERSITY WIDE

**MEDIASITE-UMDNJ WEBCASTING**

<table>
<thead>
<tr>
<th>Dept Priority</th>
<th>Location: UNIVERSITY-WIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
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**Project ID:** 75B705

**Project Type Code:** D03

**Project Type Description:** Acquisition-Computer Equipment & Systems

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<td>$77</td>
<td>$78</td>
<td>$275</td>
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</table>

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

**Increase:** $0

**Decrease:** $0

Mediasite ML 440 EX recorder captures live presentations/training/courses in real time, merges multiple inputs (e.g. video, voice, PowerPoint, medical device data, etc.) into a synchronized rich media stream that can be viewed live or on-demand through standard web browsers or listened to on iPODs. Appliance has a travel case for easy setup in multiple locations.

#### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

**SHRP-THIN PREP PROCESSOR-SCOTCH PLAINS**

<table>
<thead>
<tr>
<th>Dept Priority</th>
<th>Location: SCOTCH PLAINS-HEALTH TECH.BLDG</th>
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<tbody>
<tr>
<td>11</td>
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**Project ID:** 75B043

**Project Type Code:** D02

**Project Type Description:** Acquisition-Equipment

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</table>

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

**Increase:** $0

**Decrease:** $0

Thin Prep Processor 2000 for processing gynecological specimens by monolater method. Unit to be used to replace current equipment loaned from the manufacturer. Unit needed to provide up-to-date classroom instruction and to establish faculty practice.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

SCHOOL OF OSTEOPATHIC MEDICINE

MEDIA CAPTURE SYSTEM, E.G. APRESO OR SIMILAR
LOCATION: STRATFORD-ACADEMIC CENTER
Dept Priority: 11
Project ID: 75B9392
Project Type Code: D02 Project Type Description: Acquisition-Equipment

<table>
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<tr>
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<td>$0</td>
<td>$0</td>
<td>$0</td>
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</table>

Operating Impact: Increase: $15 Decrease: $0
Automated lecture capture solution that synchronizes instructor audio, video and course visuals in a web-based format for student review. Enhances curriculum and student learning.

UNIVERSITY WIDE

EXTERNAL NETWORK VULNERABILITY ASSESSMENT AND PENE
LOCATION: UNIVERSITY-WIDE
Dept Priority: 11
Project ID: 75B709
Project Type Code: D03 Project Type Description: Acquisition-Computer Equipment & Systems

<table>
<thead>
<tr>
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<th>$216</th>
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<tr>
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<td>$1,512</td>
<td>$216</td>
<td>$216</td>
<td>$216</td>
<td>$864</td>
</tr>
</tbody>
</table>

Operating Impact: Increase: $0 Decrease: $0
Periodic external vulnerability and penetration testing is a standard best practice. IST internal scanning and remediation will be validated through the use of external security audits.

UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

MOTION ANALYSIS SYSTEM
LOCATION: STRATFORD CAMPUS
Dept Priority: 12
Project ID: 75B389
Project Type Code: D02 Project Type Description: Acquisition-Equipment

<table>
<thead>
<tr>
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<tr>
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</tbody>
</table>

Operating Impact: Increase: $0 Decrease: $0
The Motion Monitor system may be used for three-dimensional motion analysis by students and faculty of the School of Health Related Professions. It consists of software that tracks the position of eight electromagnetic sensors.

Movement analysis is an essential component of physical therapy practice and research, and the availability of this system will greatly enhance teaching and research opportunities for the MP faculty.
### SCHOOL OF OSTEOPATHIC MEDICINE

**WEB SERVERS FOR SOM INTERNET AND INTRANET**

- **Location:** STRATFORD-ACADEMIC CENTER
- **Dept Priority:** 12
- **Project ID:** 75B833
- **Project Type Code:** D03
- **Project Type Description:** Acquisition-Computer Equipment & Systems

<table>
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<td>FY - 2010</td>
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<tr>
<td>FY - 2011</td>
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<td>$0</td>
</tr>
<tr>
<td>FY 2012 - 15</td>
<td>$0</td>
<td>$0</td>
</tr>
</tbody>
</table>

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

Implementation of data server, secure web server, development and testing server for SOM web, media and online learning. Servers will support online courses, business applications and grant projects.

### UNIVERSITY WIDE

**CUSTOMER SERVICE EXPANSION**

- **Location:** UNIVERSITY-WIDE
- **Dept Priority:** 12
- **Project ID:** 75B714
- **Project Type Code:** D03
- **Project Type Description:** Acquisition-Computer Equipment & Systems

<table>
<thead>
<tr>
<th>YEAR</th>
<th>General</th>
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<tbody>
<tr>
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<tr>
<td>FY - 2010</td>
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<td>FY - 2011</td>
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<td>$3</td>
</tr>
<tr>
<td>FY 2012 - 15</td>
<td>$12</td>
<td>$12</td>
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</tbody>
</table>

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

UMDNJ currently utilizes service center inbound and outbound automatic calling system without a mechanism to record those calls.

### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

**MULTIMEDIA PRODUCTION CENTER**

- **Location:** NEWARK CAMPUS-SSB BUILDING
- **Dept Priority:** 13
- **Project ID:** 75B388
- **Project Type Code:** E03
- **Project Type Description:** Construction-Renovations and Rehabilitation

<table>
<thead>
<tr>
<th>YEAR</th>
<th>General</th>
<th>Sub-Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY - 2009</td>
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<td>$150</td>
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<tr>
<td>FY - 2010</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td>FY - 2011</td>
<td>$150</td>
<td>$150</td>
</tr>
<tr>
<td>FY 2012 - 15</td>
<td>$0</td>
<td>$0</td>
</tr>
</tbody>
</table>

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

Expansion and enhancement of multimedia production studio, construct acoustic walls, electrical grid lighting and media editing dark room.
University of Medicine and Dentistry

### Agency Capital Budget Request

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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<tbody>
<tr>
<td>7 YR PROG</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SCHOOL OF OSTEOPATHIC MEDICINE

**PROVIDER FILES ON WEB**

**LOCATION:** VOORHEES

- **Dept Priority:** 13
- **Project ID:** 75B834
- **Project Type Code:** D03
- **Project Type Description:** Acquisition-Computer Equipment & Systems

<table>
<thead>
<tr>
<th>Other</th>
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<td>$70</td>
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</table>

**Operating Impact:**

- **Increase:** $8
- **Decrease:** $0

Physician/Practitioner credentials are scanned into an electronic filing system. This will save space, enable easier access to share and manage, and increase security/privacy of physician, personal and confidential data.

### UNIVERSITY WIDE

**ENTERPRISE PROXY SERVICES**

**LOCATION:** UNIVERSITY-WIDE

- **Dept Priority:** 13
- **Project ID:** 75B717
- **Project Type Code:** D03
- **Project Type Description:** Acquisition-Computer Equipment & Systems

<table>
<thead>
<tr>
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<th>$802</th>
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<tbody>
<tr>
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<td>$1,732</td>
<td>$530</td>
<td>$200</td>
<td>$200</td>
<td>$802</td>
</tr>
</tbody>
</table>

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

A proxy server is a server that sits between a client application, such as a Web browser, and a real server. It intercepts all requests to the real server to see if it can fulfill the requests itself. If not, it forwards the request to the real server. Proxy Services allow us to establish a secure and/or a controlled connection to resources which are behind a firewall, but which need to be accessible from the internet. A typical usage of a forward proxy is to provide Internet access to internal clients that are otherwise restricted by a firewall. A typical usage of a reverse proxy is to provide Internet users access to a server that is behind a firewall.

### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

**SHRP-SSB AMPHITHEATER DISTANCE LEARNING**

**LOCATION:** NEWARK CAMPUS-SSB

- **Dept Priority:** 14
- **Project ID:** 75B038
- **Project Type Code:** D02
- **Project Type Description:** Acquisition-Equipment

<table>
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<tr>
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<td><strong>Sub-Total</strong></td>
<td>$50</td>
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<td>$0</td>
<td>$50</td>
<td>$0</td>
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</tbody>
</table>

**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Equipment needed to prepare 2nd floor amphitheater room for distance learning capability.
University of Medicine and Dentistry

Agency Capital Budget Request (000’s)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

**SCHOOL OF OSTEOPHATHIC MEDICINE**

MANAGED CARE (MCA) APPLICATION

LOCATION: VOORHEES-STRATFORD

Dept Priority: 14

Project ID: 75B835

Project Type Code: D03 Project Type Description: Acquisition-Computer Equipment & Systems

<table>
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<tr>
<th>Other:</th>
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<th>$0</th>
<th>$0</th>
</tr>
</thead>
</table>

Sub-Total: $150

**Operating Impact:**

Increase: $23

Decrease: $0

This will allow front desk personal manages all capitated bill above and episodes of care for any payer who is able to provide electronically such as Aetna, BC/BS. Produces patient panel, reimbursement rates and groups in coverage categories. It integrates with current regulations, billing, accounts receivable, scheduling and soon, advanced web. (Maintenance estimate $25k per year)

**UNIVERSITY WIDE**

BANNER NETWORK ENHANCEMENT

LOCATION: UNIVERSITY-WIDE

Dept Priority: 14

Project ID: 75B719

Project Type Code: D03 Project Type Description: Acquisition-Computer Equipment & Systems

<table>
<thead>
<tr>
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<th>$80</th>
<th>$80</th>
<th>$320</th>
</tr>
</thead>
</table>

Sub-Total: $590

**Operating Impact:**

Increase: $0

Decrease: $0

The network appliances which secure Banner traffic and provide load balancing functionality, are in need of replacement. In an effort to improve throughput and possibly application performance, these appliances should be upgraded and replaced with new state-of-the-art technology.

**UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS**

SHRP-INTERACTIVE COMPUTER CLASSROOM

LOCATION: STRATFORD

Dept Priority: 15

Project ID: 75B103

Project Type Code: D02 Project Type Description: Acquisition-Equipment

<table>
<thead>
<tr>
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<th>$180</th>
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</table>

Sub-Total: $180

**Operating Impact:**

Increase: $0

Decrease: $0

The proposal is for the development of one interactive computer classroom that will be equipped with twenty computer workstations, a master computer teaching station, large screen, videotape/DVD player, video-data projector, recessed media panel, slide projector, and visual presenter, cables, connectors, adaptors, lecterns, media closets, printer, specialized lighting, and Ethernet connections, if wireless is not possible in the immediate future. This type of classroom will allow group computer activities, thereby increasing faculty/student interaction when students view simulations, work on assignments and conduct research using the internet.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
<thead>
<tr>
<th></th>
<th>7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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<tbody>
<tr>
<td><strong>TOTAL COST</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **SCHOOL OF OSTEOPATHIC MEDICINE**
  CREDENTIALING SOFTWARE
  LOCATION: VOORHEES
  Dept Priority 15
  Project ID: 75B832
  Project Type Code: D03  Project Type Description: Acquisition-Computer Equipment & Systems
  Other: $120 $120 $0 $0 $0
  Sub-Total: $120 $120 $0 $0 $0
  Operating Impact: Increase: $16 Decrease: $0

The provider/practitioner database will allow for tracking, renewal of license and recredentialing cycle. There is room for expansion of multiple provider numbering (NPI, taxonomy codes and any new) reporting capabilities would be available.

#### UNIVERSITY WIDE

#### BANNER02 TECHNOLOGY UPGRADE

LOCATION: UNIVERSITY-WIDE

<table>
<thead>
<tr>
<th></th>
<th>Requested FY 2010</th>
<th>Requested FY 2011</th>
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</tr>
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<tbody>
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<td>$25</td>
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<tr>
<td>Operating Impact:</td>
<td>Increase: $0</td>
<td>Decrease: $0</td>
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</table>

Test and development environment for new Banner System modules.

#### UMDNJ - SCHOOL OF HEALTH RELATED PROFESSIONS

#### SHRP-MAXIONE ANALYSIS SYSTEM

LOCATION: STRATFORD

<table>
<thead>
<tr>
<th></th>
<th>Requested FY 2010</th>
<th>Requested FY 2011</th>
<th>Requested FY 2012-2015</th>
</tr>
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<tbody>
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<tr>
<td><strong>Sub-Total</strong></td>
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<td>$0</td>
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<tr>
<td>Operating Impact:</td>
<td>Increase: $0</td>
<td>Decrease: $0</td>
<td></td>
</tr>
</tbody>
</table>

Equipment needed to develop a Gait Laboratory with maxione analysis.
University of Medicine and Dentistry

Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|--------------------------|

**SCHOOL OF OSTEOPATHIC MEDICINE**

RESEARCH SANS

LOCATION: STRATFORD CAMPUS

Dept Priority: 16

Project ID: 75B818

Project Type Code: D03  Project Type Description: Acquisition-Computer Equipment & Systems

| General: | $50 | $50 | $0 | $0 | $0 |
| Sub-Total: | $50 | $50 | $0 | $0 | $0 |

**Operating Impact:** Increase: $0  Decrease: $0

Large file server for data security and protection for research use only.

---

**UNIVERSITY WIDE**

ACTIVE DIRECTORY INFRASTRUCTURE MAINTENANCE

LOCATION: UNIVERSITY-WIDE

Dept Priority: 16

Project ID: 75B725

Project Type Code: D03  Project Type Description: Acquisition-Computer Equipment & Systems

| General: | $2,170 | $400 | $295 | $295 | $1,180 |
| Sub-Total: | $2,170 | $400 | $295 | $295 | $1,180 |

**Operating Impact:** Increase: $0  Decrease: $0

Maintaining infrastructure servers providing Enterprise Services and the extension of these services to the Macintosh environment.

---

**SCHOOL OF OSTEOPATHIC MEDICINE**

INGENIX CLAIMS SCRUBBER

LOCATION: STRATFORD-FPP BUSINESS OFFICE

Dept Priority: 17

Project ID: 75B390

Project Type Code: B03  Project Type Description: Compliance-Other

| General: | $21 | $0 | $21 | $0 | $0 |
| Sub-Total: | $21 | $0 | $21 | $0 | $0 |

**Operating Impact:** Increase: $61  Decrease: $0

Software for reviewing invoices for compliance with local, state and federal regulations for coding on professional services.
### UNIVERSITY WIDE

**CITRIX FARM MERGE**

**Location:** UNIVERSITY-WIDE

Dept Priority: 17  
Project ID: 75B726  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

<table>
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</thead>
<tbody>
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<td>$250</td>
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<tr>
<td><strong>Sub-Total</strong></td>
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</tbody>
</table>

**Operating Impact:**  
*Increase:* $0  
*Decrease:* $0

Merge the Clinical and Administrative Citrix farms so any application can be published to all UMDNJ employees with only one source of authentication and management.

### SCHOOL OF OSTEOPATHIC MEDICINE

**MOBILE CHARGE CAPTURE**

**Location:** STRATFORD CAMPUS

Dept Priority: 18  
Project ID: 75B634  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

<table>
<thead>
<tr>
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<td>$463</td>
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**Operating Impact:**  
*Increase:* $0  
*Decrease:* $0

Purchase a handheld mobile device to enter charges and provide coding support for the Faculty Practice Plan physicians. Objective is to reduce cost, decrease billing time, ensure complete and accurate coding and lower administrative costs.

### UNIVERSITY WIDE

**ENTERPRISE CONFIGURATION MANAGER**

**Location:** UNIVERSITY-WIDE

Dept Priority: 18  
Project ID: 75B727  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

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<td>$145</td>
<td>$145</td>
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**Operating Impact:**  
*Increase:* $0  
*Decrease:* $0

Implement Enterprise Configuration Manager (ECM) to baseline server configurations against our State and Federal regulations by means of compliance templates and generating reports for audits.
### University of Medicine and Dentistry

#### Agency Capital Budget Request

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

### SCHOOL OF OSTEOPATHIC MEDICINE

**NETWORK DATA EQUIPMENT UDP**

LOCATION: STRATFORD CAMPUS-UDP

Dept Priority: 19  
Project ID: 75B823  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

<table>
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<td>$0</td>
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<tr>
<td>$700</td>
<td>$700</td>
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</tbody>
</table>

**Operating Impact:**  
Increase: $0  
Decrease: $0

Replace end of life data electronics.

### UNIVERSITY WIDE

**ELECTRONIC HEALTH RECORD PHASE I - ENTERPRISE WIDE**

LOCATION: UNIVERSITY-WIDE

Dept Priority: 19  
Project ID: 75B729  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

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<tr>
<td>$6,300</td>
<td>$6,300</td>
</tr>
<tr>
<td>$12,600</td>
<td>$12,600</td>
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</table>

**Operating Impact:**
Increase: $0  
Decrease: $0

The benefits derived from operating and maintaining an Electronic Health Record cannot be recognized unless clinicians embrace and use current Ambulatory Electronic Medical Record technology. Expansion of the Electronic Medical Record will make the system more attractive and hence, foster greater use of these systems. This, in turn, increases the richness of clinical data within these systems, which in turn, spawns growth and acceptance of Electronic Health Record technology.

### SCHOOL OF OSTEOPATHIC MEDICINE

**NETWORK DATA EQUIPMENT UEC**

LOCATION: STRATFORD CAMPUS-UEC

Dept Priority: 20  
Project ID: 75B824  
Project Type Code: D03  
Project Type Description: Acquisition-Computer Equipment & Systems

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<tr>
<td>$240</td>
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**Operating Impact:**
Increase: $0  
Decrease: $0

Replace end of life network electronics.
### University of Medicine and Dentistry

#### Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

**UNIVERSITY WIDE**

ELECTRONIC HEALTH RECORD PHASE I - CLINICAL DATA M

LOCATION: UNIVERSITY-WIDE

Dept Priority: 20

Project ID: 75B731

Project Type Code: D03  Project Type Description: Acquisition-Computer Equipment & Systems

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<th>$1,772</th>
<th>$1,772</th>
<th>$3,544</th>
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</thead>
</table>

**Sub-Total:** $10,214

Operating Impact: 

**Increase:** $0  **Decrease:** $0

A UMDNJ Clinical Data Mining System will effectively transform computer captured data into actionable information available in various and useful formats to required individuals in the organization: decision makers, clinicians, researchers and faculty.

### Totals For:

**University of Medicine and Dentistry**

<table>
<thead>
<tr>
<th>General</th>
<th>$1,592,112</th>
<th>$552,603</th>
<th>$386,626</th>
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</table>

**Bond:** $36,700

**Federal:** $0

**Other:** $340

**Sub-total:** $1,629,152

---

Section III-D, Page 411

REQ-04: Page 98 of 98
### New Jersey Institute of Technology
### FY 2009 Capital Budget Request
### By Project Category and Project Type: General Funds

*Amounts Expressed in Thousands (000’s)*

<table>
<thead>
<tr>
<th>Number of FY2009 Projects</th>
<th>Department Request</th>
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<td><strong>Sub Totals:</strong></td>
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New Jersey Institute of Technology

Agency Capital Budget Request (000's)

<table>
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NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY
MATH/SCIENCE TEACHER EDUCATION CENTER
LOCATION: NEW JERSEY INSTITUTE OF TECHNOLOGY

Dept Priority: 1
Project ID: 75C630
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

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<tbody>
<tr>
<td>Sub-Total</td>
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<td>$8,625</td>
<td>$23,000</td>
<td>$23,000</td>
<td>$14,375</td>
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</table>

Operating Impact: Increase: $1,714 Decrease: $0

NJIT surrounds an existing school (Central High) on three sides for which a replacement high school building is now under construction at new site. Project entails acquisition of building and a complete rehab of the high school. Uses include classrooms, pre-college and Math/Science Teacher Education programs.

NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY
MAJOR MAINTENANCE
LOCATION: NJIT NEWARK

Dept Priority: 1
Project ID: 75C838
Project Type Code: A06 Project Type Description: Preservation-Other

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<tbody>
<tr>
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<td>$5,000</td>
<td>$5,000</td>
<td>$5,000</td>
<td>$5,000</td>
</tr>
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</table>

Operating Impact: Increase: $0 Decrease: $0

Annual maintenance of major systems and upgrade to facilities.

NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY
STEM CELL FACILITY
LOCATION: NJIT NEWARK

Dept Priority: 1
Project ID: 75C839
Project Type Code: E02 Project Type Description: Construction-New

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<tr>
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<td>$50,000</td>
<td>$50,000</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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</tbody>
</table>

Operating Impact: Increase: $0 Decrease: $0

Construction of a stem cell research facility of approximately 100,000 square feet is proposed. It is expected the entire facility will be constructed as a sterile facility. Extensive bio-safety cabinets, building scale de-ionized water services, clean-room facilities (Class-1000), Un-interrupted Power Supply (UPS), and high capacity back-up power generation will be required. Additional service laboratories will be required to support shared analytic and synthetic needs of the research program.
# New Jersey Institute of Technology

## Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

#### YORK ENVIRONMENTAL CENTER EXPANSION

- **Location:** YORK CENTER
- **Dept Priority:** 2
- **Project ID:** 75C026
- **Project Type Code:** E03  **Project Type Description:** Construction-Renovations and Rehabilitation

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<td>$5,427</td>
<td>$0</td>
<td>$0</td>
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**Operating Impact:**
- **Increase:** $129
- **Decrease:** $0

A major building addition is needed to accommodate the expanded functions of Otto York Engineering and Environmental Science Center. Adds approximately 1/3 more research space to this facility.

### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

#### MULTIPURPOSE BUILDING

- **Location:** NEWARK
- **Dept Priority:** 2
- **Project ID:** 75C027
- **Project Type Code:** E04  **Project Type Description:** Construction-Other

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</thead>
<tbody>
<tr>
<td>$134,000</td>
<td>$16,750</td>
<td>$44,667</td>
<td>$44,667</td>
<td>$27,916</td>
</tr>
</tbody>
</table>

**Operating Impact:**
- **Increase:** $1,714
- **Decrease:** $0

A new multi-purpose facility, constructed in a phased approach to meet current and projected demand - providing much needed instructional, research, academic and technical support space for a growing array of disciplines and multi-disciplinary areas of activity. Such disciplines, (in cooperation with other universities, public agencies and private enterprise), will include Health and Life Sciences, Telecommunications, Urban Infrastructure and Information Sciences.

### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

#### CLASSROOM LABORATORY BUILDING

- **Location:** NEW JERSEY INSTITUTE OF TECHNO
- **Dept Priority:** 2
- **Project ID:** 75C318
- **Project Type Code:** E02  **Project Type Description:** Construction-New

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<tr>
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<td>$22,780</td>
<td>$14,237</td>
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</table>

**Operating Impact:**
- **Increase:** $1,286
- **Decrease:** $0

Construction of new facility to provide large, smart classrooms, added laboratory capabilities, offices for faculty and other technology instructional needs. The facility will support highly successful pedagogy of hands-on, student-team projects.
New Jersey Institute of Technology

Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|--------------------------|

**NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY**

**CLASSROOM TECHNOLOGY UPGRADES**

LOCATION: NEW JERSEY INSTITUTE OF TECHNOLOGY

Dept Priority 2
Project ID: 75C320
Project Type Code: E03  Project Type Description: Construction-Renovations and Rehabilitation

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<td>$4,020</td>
<td>$0</td>
<td>$0</td>
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Operating Impact: Increase: $0  Decrease: $0

Upgrade classrooms, incorporating the most current technology for distance learning, remote access, audio-visual and network and wireless communications.

**NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY**

**LIBRARY EXPANSION**

LOCATION: NEW JERSEY INSTITUTE OF TECHNOLOGY

Dept Priority 2
Project ID: 75C324
Project Type Code: E02  Project Type Description: Construction-New

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<td>$2,010</td>
<td>$5,360</td>
<td>$5,360</td>
<td>$3,350</td>
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</tbody>
</table>

Operating Impact: Increase: $343  Decrease: $0

Planned expansion of existing library to expand capacity and provide added stack, study carrels and on-line/multimedia library material and access.

**NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY**

**THEATER REHABILITATION**

LOCATION: KUPFRIAN HALL

Dept Priority 3
Project ID: 75C020
Project Type Code: E03  Project Type Description: Construction-Renovations and Rehabilitation

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<td>$502</td>
<td>$2,680</td>
<td>$838</td>
<td>$0</td>
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Operating Impact: Increase: $0  Decrease: $0

Complete rehabilitation of the existing 1967 facility. Renovation of the existing academic program theater would include replacement seating, HVAC; stage upgrades of lighting and audio are required to meet instructional and program needs.
### New Jersey Institute of Technology

#### Agency Capital Budget Request (000's)

<table>
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<th></th>
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<tbody>
<tr>
<td>7 YR PROG</td>
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#### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

**LAND ACQUISITION, INSTRUCTIONAL AND RESEARCH**  
**LOCATION:** NEWARK

Dept Priority: 3  
Project ID: 75C024  
Project Type Code: D04  
Project Type Description: Acquisition-Other

| General | $9,600 | $4,800 | $4,800 | $0 | $0 |
| Sub-Total | $9,600 | $4,800 | $4,800 | $0 | $0 |

**Operating Impact:**  
*Increase:* $0  
*Decrease:* $0

Acquisition of land is necessary to provide building sites for facilities needed to accommodate growth and programmatic needs in science and technology.

---

#### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

**LABORATORY UPGRADES**  
**LOCATION:** NEW JERSEY INSTITUTE OF TECHNOLOGY

Dept Priority: 3  
Project ID: 75C321  
Project Type Code: E03  
Project Type Description: Construction-Renovations and Rehabilitation

| General | $16,080 | $5,360 | $5,360 | $5,360 | $0 |
| Sub-Total | $16,080 | $5,360 | $5,360 | $5,360 | $0 |

**Operating Impact:**  
*Increase:* $343  
*Decrease:* $0

Major rehabilitation to departmental laboratories including HVAC & environmental system for wet labs.

---

#### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

**CONFERENCE CENTER**  
**LOCATION:** NEWARK

Dept Priority: 4  
Project ID: 75C030  
Project Type Code: E02  
Project Type Description: Construction-New

| General | $50,920 | $0 | $6,365 | $33,947 | $10,608 |
| Sub-Total | $50,920 | $0 | $6,365 | $33,947 | $10,608 |

**Operating Impact:**  
*Increase:* $857  
*Decrease:* $0

Facility for conferences, seminar space, and symposia to serve the needs of NJIT, other higher education institutions in the proximate area and the University Heights Science Park Project. Issues would generally focus on New Jersey economic development interests in a global economy.
### New Jersey Institute of Technology

#### Agency Capital Budget Request

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<tbody>
<tr>
<td>7 YR PROG</td>
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</table>

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#### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

**EXPAND ELECTRICAL & COMPUTER ENGINEERING FACILITY**

- **LOCATION:** NEW JERSEY INSTITUTE OF TECHNO
- **Dept Priority:** 4
- **Project ID:** 75C038
- **Project Type Code:** E03
- **Project Type Description:** Construction-Renovations and Rehabilitation

<table>
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</table>

**Operating Impact:**
- **Increase:** $137
- **Decrease:** $0

Complete planned expansion by adding the two floors the structure was initially designed to accommodate. Will provide needed laboratory facilities.

#### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

**PARKING FACILITY**

- **LOCATION:** NEW JERSEY INSTITUTE OF TECHNO
- **Dept Priority:** 5
- **Project ID:** 75C322
- **Project Type Code:** E02
- **Project Type Description:** Construction-New

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<td>$0</td>
<td>$18,600</td>
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</table>

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

Provide structured parking to accommodate students, faculty, staff and visitors. Essential for urban campus and not fully supportable by fee-based revenues.

#### NJIT - NEW JERSEY INSTITUTE OF TECHNOLOGY

**RESIDENCE HALL**

- **LOCATION:** NEW JERSEY INSTITUTE OF TECHNO
- **Dept Priority:** 6
- **Project ID:** 75C323
- **Project Type Code:** E02
- **Project Type Description:** Construction-New

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**Operating Impact:**
- **Increase:** $857
- **Decrease:** $0

400 bed facility to be constructed on campus owned property.

---

**Totals For:**

New Jersey Institute of Technology

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### FY 2009 Capital Budget Request
By Project Category and Project Type: General Funds

*Amounts Expressed in Thousands (000's)*

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Rowan University

Agency Capital Budget Request (000's)

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<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

ROWAN UNIVERSITY

SECURITY CARD ACCESS SYSTEM

LOCATION: CAMPUS WIDE

Dept Priority: 1
Project ID: 75D871
Project Type Code: A05 Project Type Description: Preservation-Security Enhancements

General: $18,010,000 $10,000 $9,000,000 $9,000,000 $0
Sub-Total: $18,010,000 $10,000 $9,000,000 $9,000,000 $0

Operating Impact: Increase: $0 Decrease: $50

This project would provide for secure card access for all doors on campus and would have all door access interlocked with Public Safety. It would allow for the ability for instant simultaneous lockdown in the event of an emergency.

ROWAN UNIVERSITY

PRESERVATION - HVAC REHABILITATION

LOCATION: CAMPUS-WIDE

Dept Priority: 2
Project ID: 75D006
Project Type Code: A02 Project Type Description: Preservation-HVAC

General: $2,600 $1,100 $500 $500 $500
Sub-Total: $2,600 $1,100 $500 $500 $500

Operating Impact: Increase: $0 Decrease: $10

This project would replace air distribution systems, air handlers, duct work, domestic hot water, dampers and heat exchangers and controls in designated buildings. Replacement is necessary as these systems have reached the end of their useful life and repair is no longer a viable option. If this project is not funded as requested and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace and operate. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

ROWAN UNIVERSITY

PRESERVATION - UPGRADE ELECTRICAL SUB-STATION

LOCATION: SUBSTATION

Dept Priority: 3
Project ID: 75D004
Project Type Code: A01 Project Type Description: Preservation-Electrical

General: $430 $250 $180 $0 $0
Sub-Total: $430 $250 $180 $0 $0

Operating Impact: Increase: $0 Decrease: $0

This project would upgrades to the existing electric sub-station transformers and switchgear. It will provide the necessary capacity for current use as defined in Rowan University's vision plan. If this project is not funded as requested and if the University cannot fund the project, it could result in the unscheduled failures on our power grid. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
Rowan University

Agency Capital Budget Request (000's)

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<tr>
<td>7 YR PROG</td>
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ROWAN UNIVERSITY

PRESERVATION - UTILITIES
LOCATION: CAMPUS-WIDE
Dept Priority: 4
Project ID: 75D005
Project Type Code: A02 Project Type Description: Preservation-HVAC

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Sub-Total: $3,550

Operating Impact: Increase: $0 Decrease: $0

This project will replace existing underground utilities (steam, electric, water, sewer and storm sewer lines that form the distribution system on campus. If this project is not funded as requested and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

ROWAN UNIVERSITY

PRESERVATION - REPLACE CHILLERS
LOCATION: BOSSHART HALL
Dept Priority: 5
Project ID: 75D060
Project Type Code: A02 Project Type Description: Preservation-HVAC

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Sub-Total: $173

Operating Impact: Increase: $0 Decrease: $2

This project will replace the original chillers in the building that contain HCFC's. The units are beyond their life cycle and the cost to operate and repair is excessive. If this project is not funded as requested and if the University cannot fund the project, it will cost more in the future to repair/replace and operate. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

ROWAN UNIVERSITY

PRESERVATION - EXTERIOR BUILDING REPAIRS
LOCATION: VARIOUS
Dept Priority: 6
Project ID: 75D067
Project Type Code: A04 Project Type Description: Preservation-Roofs & Moisture Protection

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<td>$350</td>
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<td>$50</td>
<td>$50</td>
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Sub-Total: $350

Operating Impact: Increase: $0 Decrease: $1

Many of our buildings need repointing, caulking and weatherproofing completed to maintain the integrity of the exterior shell. If this project is not funded as requested and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace and operate. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
## Rowan University

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<td>REPLACE WINDOWS - BOLE/ WESTBY/LINDEN</td>
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<td><strong>Operating Impact:</strong> Increase: $0  Decrease: $1</td>
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This project would replace all aluminum and wood windows with energy efficient windows. If this project is not funded as requested and the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

| **ROWAN UNIVERSITY**         |            |           |                     |                     |                     |                          |
| RENOVATIONS TO COMPLY WITH ADA | |         |                     |                     |                     |                          |
| Dept Priority: 8             |            |           |                     |                     |                     |                          |
| Project ID: 75D017           |            |           |                     |                     |                     |                          |
| Project Type Code: B01       |            |           |                     |                     |                     |                          |
| Project Type Description: Compliance - ADA | |         |                     |                     |                     |                          |
| **General:**                 | $250       | $25       | $25                 | $25                 | $175                |                          |
| **Sub-Total:**               | $250       | $25       | $25                 | $25                 | $175                |                          |
| **Operating Impact:** Increase: $0  Decrease: $0 | |         |                     |                     |                     |                          |

To comply with the Americans for Disabilities Act, elevators would be retrofitted, ramps provided, special hardware installed and restroom facilities modified. The estimate was calculated after a full facility audit conducted in 1992. If this project is not funded as requested and if the University cannot fund the project, it could result in our inability to provide access for all students to our facilities. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

| **ROWAN UNIVERSITY**         |            |           |                     |                     |                     |                          |
| COMPLIANCE - FIRE AND LIFE SAFETY | |         |                     |                     |                     |                          |
| Dept Priority: 9             |            |           |                     |                     |                     |                          |
| Project ID: 75D010           |            |           |                     |                     |                     |                          |
| Project Type Code: B02       |            |           |                     |                     |                     |                          |
| Project Type Description: Compliance - Fire Safety | |         |                     |                     |                     |                          |
| **General:**                 | $900       | $150      | $125                | $125                | $500                |                          |
| **Sub-Total:**               | $900       | $150      | $125                | $125                | $500                |                          |
| **Operating Impact:** Increase: $0  Decrease: $0 | |         |                     |                     |                     |                          |

Fire and life safety upgrades are necessary for designated buildings to comply with NJ Uniform Fire Code. The upgrades will include the installation of fire suppression and fire detection systems. Funding is required in order to comply with a notice of violation issued by DCA, Division of Fire Safety. If this project is not funded as requested and the University cannot fund the project, it will result in non-compliance and fines being levied by other State agencies. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
### Rowan University

#### Agency Capital Budget Request (00's)

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<tr>
<td>7 YR PROG</td>
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**ROWAN UNIVERSITY**

- **ROOF REPAIR AND REPLACEMENT**
  - Dept Priority: 10
  - Project ID: 75D009
  - Project Type Code: A04
  - Project Type Description: Preservation-Roofs & Moisture Protection
  - General: $1,900
  - Sub-Total: $1,900
  - Operating Impact: Increase: $0, Decrease: $15

Infrared testing has revealed certain roofs require repair or replacement. If done expeditiously, the life expectancy of certain roofs can be preserved. If this project is not funded as requested and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

---

**ROWAN UNIVERSITY**

- **CONSTRUCT A NEW ELECTRICAL SUBSTATION**
  - Dept Priority: 11
  - Project ID: 75D059
  - Project Type Code: F01
  - Project Type Description: Infrastructure-Energy Improvements
  - General: $2,700
  - Sub-Total: $2,700
  - Operating Impact: Increase: $0, Decrease: $0

The construction of this new substation on the south campus is required to support new construction on this side of the campus. It will supply power to the entire south campus enabling the existing sub-station to power current new construction and anticipated construction on the north campus. Failure to construct this substation will result in the cancellation of these projects listed in Rowan Universities Master Plan. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

---

**ROWAN UNIVERSITY**

- **LINDEN HALL CONVERSION**
  - Dept Priority: 13
  - Project ID: 75D073
  - Project Type Code: E03
  - Project Type Description: Construction-Renovations and Rehabilitation
  - General: $7,192
  - Sub-Total: $7,192
  - Operating Impact: Increase: $0, Decrease: $0

Conversion of Linden Hall from current use as administrative space back to the original use as dormitory space. The conversion is required to accommodate existing demands on the residential program of Rowan university. If this project is not funded as requested and if the University cannot fund the project, it will result in fail to attract and accommodate new students based on available resources; i.e. housing demands. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
Rowan University

Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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ROWAN UNIVERSITY

CONSTRUCTION NEW RESIDENCE HALL

LOCATION: ROWAN UNIVERSITY

Dept Priority: 14
Project ID: 75D054
Project Type Code: E04  Project Type Description: Construction-Other

| General:                  | $44,800 | $21,000 | $4,800 | $19,000 | $0      |
| Sub-Total:                | $44,800 | $21,000 | $4,800 | $19,000 | $0      |

Operating Impact: Increase: $850  Decrease: $0

The construction of new 400 and 300 bed facilities, approximately 150,000 square foot each. Residential dormitory space is needed to help reduce the overcrowding we are experiencing on the campus today. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on overcrowded conditions in University housing. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

ROWAN UNIVERSITY

WILSON HALL EXPANSION/ADDITION

LOCATION: ROWAN UNIVERSITY

Dept Priority: 15
Project ID: 75D055
Project Type Code: E04  Project Type Description: Construction-Other

| General:                  | $38,000 | $5,000  | $33,000 | $0      | $0      |
| Sub-Total:                | $38,000 | $5,000  | $33,000 | $0      | $0      |

Operating Impact: Increase: $157  Decrease: $0

This project would construct a 75,000 square foot addition to Wilson Hall. This expansion is needed to relocate the Dance Department to the same building as the College of Fine and Performing Arts and provide a state-of-the-art facility. The current facility is located on the other side of campus and is in barely adequate condition. Furthermore, whenever a performance or recital is given, all students must relocate to another building. If the project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources; i.e., needed academic and/or support space. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

ROWAN UNIVERSITY

NEW EDUCATION BUILDING

LOCATION: ROWAN UNIVERSITY

Dept Priority: 16
Project ID: 75D052
Project Type Code: E02  Project Type Description: Construction-New

| General:                  | $28,500 | $28,500 | $0      | $0      | $0      |
| Sub-Total:                | $28,500 | $28,500 | $0      | $0      | $0      |

Operating Impact: Increase: $338  Decrease: $0

The construction of this 75,000 square foot academic classroom and office building will relieve the demand in specialized University classrooms that affects their ability to prepare students for specialization and advanced degrees are not available in the current facility. If this project is not funded as requested, and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources; i.e., needed academic and/or support space. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
**Rowan University**

### Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|-------------------------|

**ROWAN UNIVERSITY**

**LAND PURCHASE**

**LOCATION:** HARRISON TOWNSHIP RT.55 & 322

Dept Priority 17

Project ID: 75D053

Project Type Code: D01 Project Type Description: Acquisition-Facilities

| General: | $12,000 | $12,000 | $0 | $0 | $0 |
| Sub-Total: | $12,000 | $12,000 | $0 | $0 | $0 |

**Operating Impact:** Increase: $0 Decrease: $0

The purchase of 400+ acres will expand the area for Rowan University to relocate athletic facilities off the main campus. This will provide needed space for additional academic and residential building on the main campus. In addition, land is needed for the recently awarded Technology Center. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources; i.e., needed academic and/or support space. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

**ROWAN UNIVERSITY**

**INSTALL EXTERIOR LIGHTS, EMERGENCY PHONES, FENCING**

**LOCATION:** CAMPUS-WIDE

Dept Priority 18

Project ID: 75D013

Project Type Code: A01 Project Type Description: Preservation-Electrical

| General: | $725 | $250 | $200 | $150 | $125 |
| Sub-Total: | $725 | $250 | $200 | $150 | $125 |

**Operating Impact:** Increase: $1 Decrease: $0

Installation of new walkway lights and emergency telephones and fencing at specified locations would provide for increased safety for students and faculty. If this project is not funded as requested and if the University cannot fund the project, it will result in the Rowan vision, which encompasses all aspects of University life, will not be realized.

**ROWAN UNIVERSITY**

**LANDSCAPE MASTER PLAN**

**LOCATION:** CAMPUS WIDE

Dept Priority 19

Project ID: 75D050

Project Type Code: F02 Project Type Description: Infrastructure-Roads and Approaches

| General: | $7,000 | $1,000 | $1,000 | $1,000 | $4,000 |
| Sub-Total: | $7,000 | $1,000 | $1,000 | $1,000 | $4,000 |

**Operating Impact:** Increase: $15 Decrease: $0

This project will actually consist of a series of projects spaced over 10 years. The University has retained a landscape architect who has significant experience in developing plans for major Universities and Colleges across the nation. As a result of the plan developed for Rowan, a series of projects will be undertaken to deal with pedestrian walkways and circulation, vehicular circulation, plant materials, lights, tree program, entrances, irrigation systems, campus focus and especially dealing with Route 322, a state highway splitting the campus in half, regarding crossing points and visual enhancement. Failure to fund this project will retain Rowan in the status quo and will not allow the institution to progress and beautify itself resulting in a possible loss of students during recruitment. If this project is not funded as requested and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace and operate. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
### Agency Capital Budget Request

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<tbody>
<tr>
<td>7 YR PROG</td>
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</table>

#### ROWAN UNIVERSITY

**REPLACE SEWER LIFT STATIONS - VARIOUS AREAS**

**LOCATION:** CAMPUS-WIDE

- **Dept Priority:** 20
- **Project ID:** 75D015
- **Project Type Code:** A06  
  **Project Type Description:** Preservation-Other

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<tr>
<th>General</th>
<th>$500</th>
<th>$100</th>
<th>$100</th>
<th>$100</th>
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<td>Sub-Total</td>
<td>$500</td>
<td>$100</td>
<td>$100</td>
<td>$100</td>
<td>$200</td>
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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

Specified sewage lift stations would be replaced to provide for proper sewage ejection. The identified stations are at the end of the useful life at Westby, Cassady, Bunce and the Triad. The stations' ages range from twenty four (24) to thirty (30) years old. If this project is not funded and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

#### ROWAN UNIVERSITY

**ACADEMY STREET SCHOOL RENOVATION**

**LOCATION:** ROWAN UNIVERSITY

- **Dept Priority:** 21
- **Project ID:** 75D074
- **Project Type Code:** E03  
  **Project Type Description:** Construction-Renovations and Rehabilitation

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<tr>
<th>General</th>
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<td>$1,500</td>
<td>$1,500</td>
<td>$0</td>
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<td>$0</td>
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</tbody>
</table>

**Operating Impact:**
- **Increase:** $250
- **Decrease:** $0

Renovation of existing acquired facility to accommodate academic and administrative functions to provide usable facilities for the vision of Rowan. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to provide the services required and attract new students based on the availability of resources.

#### ROWAN UNIVERSITY

**RENOVATION OF HOLLYBUSH**

**LOCATION:** HOLLYBUSH

- **Dept Priority:** 22
- **Project ID:** 75D039
- **Project Type Code:** A01  
  **Project Type Description:** Preservation-Electrical

<table>
<thead>
<tr>
<th>General</th>
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<th>$1,650</th>
<th>$0</th>
<th>$0</th>
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<tr>
<td>Sub-Total</td>
<td>$1,650</td>
<td>$1,650</td>
<td>$0</td>
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</table>

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $1

Hollybush, the home of the University President, was built in 1849 and has systems in need of replacement not only due to poor operation but also needs to meet current building codes. This project will consist of replacing the wiring throughout most of the building, providing selective structural and foundation repairs, update steam heat with water heat and replace some plumbing. In conjunction with the electrical wiring upgrade, telecommunications wiring will be run simultaneously. Finally, central air conditioning will be added and the roof will be replaced. An elevator and additional bathroom facilities will be installed for ADA compliance. The interior of the building will be painted to match design period colors. If this project is not funded as requested and the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
## Agency Capital Budget Request (000's)

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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<td><strong>ROWAN UNIVERSITY</strong></td>
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<tr>
<td><strong>CONSTRUCT NEW PARKING GARAGES</strong></td>
<td>LOCATION: CAMPUS</td>
<td></td>
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<tr>
<td>Dept Priority: 23</td>
<td>Project ID: 75D026</td>
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<tr>
<td>General: $28,250</td>
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<tr>
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</tbody>
</table>

Construction of (3) multi-level parking garage. This project is needed to house the additional cars expected from the increased enrollment projected to be 12,000 students. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

## ROWAN UNIVERSITY

**REPLACE STAIRS AND HANDRAILS**

LOCATION: CAMPUS-WIDE

<table>
<thead>
<tr>
<th>Dept Priority: 24</th>
<th>Project ID: 75D012</th>
<th>Project Type Code: B03</th>
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<tbody>
<tr>
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<td>$150</td>
<td>$100</td>
<td>$0</td>
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<tr>
<td>Sub-Total: $250</td>
<td>$150</td>
<td>$100</td>
<td>$0</td>
</tr>
<tr>
<td><strong>Operating Impact: Increase</strong>: $0</td>
<td><strong>Decrease</strong>: $0</td>
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</table>

This project would replace exterior masonry steps, interior stairs and handrails in order to meet code requirements and safety. If this project is not funded as requested and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

## ROWAN UNIVERSITY

**COMPLETE FIBER OPTIC COMMUNICATIONS BACKBONE**

LOCATION: VARIOUS

<table>
<thead>
<tr>
<th>Dept Priority: 25</th>
<th>Project ID: 75D045</th>
<th>Project Type Code: F04</th>
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<tr>
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<tr>
<td>Sub-Total: $150</td>
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<td>$0</td>
<td>$0</td>
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<tr>
<td><strong>Operating Impact: Increase</strong>: $0</td>
<td><strong>Decrease</strong>: $0</td>
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</table>

This project consists of installing fiber optic cable to Hollybush, the Team House, the Carriage House and the football field press box. This cable is needed to support data links to people in the areas listed above. Failure to fund this project will restrict data access to these parts of campus and will impede employee performance. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources; i.e., needed academic and/or support space. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
Rowan University

Agency Capital Budget Request (000's)

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ROWAN UNIVERSITY

REINSULATE MECHANICAL ROOM SPACES
LOCATION: CAMPUS-WIDE

Dept Priority: 26
Project ID: 75D036
Project Type Code: A06 Project Type Description: Preservation-Other

| General | $250 | $50 | $50 | $50 | $100 |
| Sub-Total | $250 | $50 | $50 | $50 | $100 |

Operating Impact: Increase: $0 Decrease: $3

This project consists of replacing insulation on hot and cold mechanical pipes and ceilings to reduce excessive heat in the mechanical rooms which shortens the life span of equipment and, in some cases, permeates the ceiling into occupied space above making some spaces unusable. If this project is not funded as requested and if the University cannot fund the project, it will result in further loss of energy. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

ROWAN UNIVERSITY

CARD ACCESS AND BUILDING SECURITY
LOCATION: CAMPUS-WIDE

Dept Priority: 27
Project ID: 75D028
Project Type Code: A05 Project Type Description: Preservation-Security Enhancements

| General | $222 | $222 | $0 | $0 | $0 |
| Sub-Total | $222 | $222 | $0 | $0 | $0 |

Operating Impact: Increase: $0 Decrease: $20

This project consists of installing card system to access buildings after normal hours for authorized persons only. This is an expansion to the system already started in eight (8) academic buildings. The expansion is to all other buildings on campus. Additionally, cameras and other security devices will be installed in all buildings. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources; i.e., needed academic and/or support space. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

ROWAN UNIVERSITY

CONSTRUCT 16"SMART" CLASSROOMS
LOCATION: CAMPUS-WIDE

Dept Priority: 28
Project ID: 75D025
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

| General | $1,140 | $160 | $160 | $160 | $660 |
| Sub-Total | $1,140 | $160 | $160 | $160 | $660 |

Operating Impact: Increase: $1 Decrease: $0

This project consists of constructing sixteen (16) "Smart" classrooms so that some academic buildings will receive one and others will receive two or more. These rooms will be large lecture halls equipped with state of the art technology, i.e. satellite hook-up, special projection systems, etc. This project is needed to teach students with cutting-edge technology. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources; i.e., needed academic and/or support space. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
Rowan University

### Agency Capital Budget Request (000's)

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<tr>
<td>ROWAN UNIVERSITY</td>
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<tr>
<td>Repave Roads, Sidewalks, Curbs and Parking Lots</td>
<td>29</td>
<td>75D020</td>
<td>F02</td>
<td>Infrastructure-Roads and Approaches</td>
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<tr>
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<tr>
<td>Sub-Total:</td>
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<tr>
<td>Operating Impact:</td>
<td>Increase: $0</td>
<td>Decrease: $0</td>
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The pavement of roads, curbs, sidewalks and parking lots is necessary as they have deteriorated to an extent where patching is no longer a viable solution. If this project is not funded as requested and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

### ROWAN UNIVERSITY

### Asbestos Abatement

| General: | $625 | $100 | $100 | $100 | $325 |
| Sub-Total: | $625 | $100 | $100 | $100 | $325 |
| Operating Impact: | Increase: $0 | Decrease: $0 |

This project will remove or encapsulate pipe insulation containing asbestos. In addition, removal of floor, ceiling, wall and roofing material will be replaced with the appropriate material. If this project is not funded as requested and if the University cannot fund the project, it will result in non-compliance and fines being levied by other State agencies and further deterioration, which will cost more in the future to repair/replace and operate. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

### ROWAN UNIVERSITY

### Preservation Computer/Telephone Equip/Wiring

| General: | $17,663 | $7,683 | $0 | $0 | $9,980 |
| Sub-Total: | $17,663 | $7,683 | $0 | $0 | $9,980 |
| Operating Impact: | Increase: $0 | Decrease: $5 |

This project consists of replacing two telephone switches, the associated telecom closet equipment and cabling in the buildings and network electronics to accommodate a voice over IP system. Failure to fund this project would eventually result in a total communications break-down. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
## Agency Capital Budget Request

### Rowan University

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
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<td><strong>ROWAN UNIVERSITY</strong></td>
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<tr>
<td><strong>ATHLETIC FIELD RELOCATION</strong></td>
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<tr>
<td>Dept Priority: 32</td>
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<td>Project ID: 75D062</td>
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<tr>
<td>Project Type Code: E02</td>
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<tr>
<td>Project Type Description: Construction-New</td>
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<td><strong>General:</strong></td>
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<td>Operating Impact: Increase: $400 Decrease: $0</td>
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</table>

All of the athletic facilities currently on the main campus, will be relocated to this site. This move will provide adequate space for these programs as well as free up needed space for the building program outlined in Rowan's Master Plan. If this project is not funded, Rowan will not be able to realize it's vision as outline in our current Master Plan. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

### ROWAN UNIVERSITY

| **CONSTRUCTION - FACILITIES BUILDING** |                     |                     |                     |                         |
| Dept Priority: 33 |                     |                     |                     |                         |
| Project ID: 75D063 |                     |                     |                     |                         |
| Project Type Code: E02 |                     |                     |                     |                         |
| Project Type Description: Construction-New |                     |                     |                     |                         |
| **General:** | $5,000 | $0 | $0 | $5,000 | $0 |
| **Sub-Total:** | $5,000 | $0 | $0 | $5,000 | $0 |
| Operating Impact: Increase: $0 Decrease: $0 |                     |                     |                     |                         |

The current facility is too small to accommodate the personnel now required to service our campus. In addition, there is no room to expand the current facility in the present location. In line with the master plan, this facility will be moved to a new location with the athletic facilities. If this project is not funded as requested and if the University cannot fund the project, the Rowan vision, which encompasses all aspects of University life, will not be realized.

### ROWAN UNIVERSITY

| **RENOVATION - ROBINSON HALL** |                     |                     |                     |                         |
| Dept Priority: 34 |                     |                     |                     |                         |
| Project ID: 75D065 |                     |                     |                     |                         |
| Project Type Code: E03 |                     |                     |                     |                         |
| Project Type Description: Construction-Renovations and Rehabilitation |                     |                     |                     |                         |
| **General:** | $20,248 | $0 | $20,248 | $0 | $0 |
| **Sub-Total:** | $20,248 | $0 | $20,248 | $0 | $0 |
| Operating Impact: Increase: $0 Decrease: $0 |                     |                     |                     |                         |

This building has been problematic with regard to indoor air quality issues in providing a quality learning environment. A complete HVAC retrofit will be complete along with the replacement of all of the mechanical equipment and architectural finishes. The building will then be outfitted to meet the needs of the University as outlined in the master plan. If this project is not funded as requested and if the University cannot fund the project, it will result in further deterioration which will cost more in the future to repair/replace and operate. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
### Rowan University

**Agency Capital Budget Request (000's)**

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<tr>
<td>CONSTRUCTION NEW TECHNOLOGY CENTER</td>
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<tr>
<td><strong>Operating Impact:</strong> Increase: $200</td>
<td>Decrease: $0</td>
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</table>

The state has awarded Rowan University money to construct a Technology/Business Incubator Center. The center will provide a site for companies to pursue the commercialization of products they have created as well as give rowan faculty and students the space to conduct more federal- and stated-funded research projects. If this project is not funded as requested and if the University cannot fund the project, it will result in the University not meeting its obligation to take a leadership role in the economic development of the region it serves.

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### Rowan University

**ROWAN UNIVERSITY**

**CONSTRUCT NEW BUSINESS SCHOOL**

**LOCATION:** CAMPUS

Dept Priority: 36

Project ID: 75D023

Project Type Code: E02

Project Type Description: Construction-New

| General: $11,800 | $0 | $0 | $0 | $11,800 |
| Sub-Total: $11,800 | $0 | $0 | $0 | $11,800 |

**Operating Impact:** Increase: $292 | Decrease: $0

Construct a 65,000 square foot building dedicated to the School of Business. This project is needed to house the current School of Business under one roof. And, to provide proper classroom space with the newest available technology. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources; i.e., needed academic and/or support space. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

---

### Rowan University

**ROWAN UNIVERSITY**

**COGENERATION/BOILER RETUBE**

**LOCATION:** HEARING HEATING PLANT

Dept Priority: 37

Project ID: 75D066

Project Type Code: A06

Project Type Description: Preservation-Other

| General: $3,300 | $0 | $0 | $0 | $3,300 |
| Sub-Total: $3,300 | $0 | $0 | $0 | $3,300 |

**Operating Impact:** Increase: $0 | Decrease: $2

This project will replace the turbine, generator, boiler and control package of the cogeneration unit. In addition, boiler #3 will be retubed. These units are near the end of their useful life and need replacement. If this project is not funded as requested and the University cannot fund the project, it will cost more in the future to repair/replace. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.
### Rowan University

**Agency Capital Budget Request**

<table>
<thead>
<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

#### ROWAN UNIVERSITY

**69KV SUB STATION**

- **LOCATION:** ROWAN UNIVERSITY
- **Dept Priority:** 38
- **Project ID:** 75D084
- **Project Type Code:** F01

- **Project Type Description:** Infrastructure-Energy Improvements
- **General:**
  - REQUESTED: $0
  - REQUESTED FY-2009: $6,000
  - REQUESTED FY-2010: $6,000
  - REQUESTED FY-2011: $0
  - REQUESTED FY 2012 - 2015: $0

- **Sub-Total:**
  - REQUESTED: $0
  - REQUESTED FY-2009: $0
  - REQUESTED FY-2010: $6,000
  - REQUESTED FY-2011: $0
  - REQUESTED FY 2012 - 2015: $0

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

The construction of a new 69kv sub-station on the campus is required to support new construction and the Master Plan for the University. Failure to construct this sub-station will result in the cancellation of a number of projects listed in the University Master Plan. If funding is not approved as requested and if the University cannot fund this project, it will impact the Rowan vision, which encompasses all aspects of University life.

#### ROWAN UNIVERSITY

**RENEWAL AND REPLACEMENT - INT. BLDG. UPGRADES**

- **LOCATION:** CAMPUS WIDE
- **Dept Priority:** 39
- **Project ID:** 75D070
- **Project Type Code:** A06

- **Project Type Description:** Preservation-Other
- **General:**
  - REQUESTED: $0
  - REQUESTED FY-2009: $225
  - REQUESTED FY-2010: $225
  - REQUESTED FY-2011: $225
  - REQUESTED FY 2012 - 2015: $2,300

- **Sub-Total:**
  - REQUESTED: $0
  - REQUESTED FY-2009: $0
  - REQUESTED FY-2010: $0
  - REQUESTED FY-2011: $575
  - REQUESTED FY 2012 - 2015: $2,300

**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

Various buildings on campus that are 25-70 years old require miscellaneous interior building alterations. These include architectural finishes such as wall finishes, ceilings, flooring materials, window treatments etc. to be upgraded. This project is necessary to extend the useful life of facilities. If this project is not funded as requested and if the University cannot fund the project. It will result in the further deterioration which will cost more in the future to repair/replace and operate. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

#### ROWAN UNIVERSITY

**CONSTRUCTION - FACULTY CLUB**

- **LOCATION:** NORTH CAMPUS
- **Dept Priority:** 40
- **Project ID:** 75D064
- **Project Type Code:** E02

- **Project Type Description:** Construction-New
- **General:**
  - REQUESTED: $0
  - REQUESTED FY-2009: $5,000
  - REQUESTED FY-2010: $0
  - REQUESTED FY-2011: $0
  - REQUESTED FY 2012 - 2015: $5,000

- **Sub-Total:**
  - REQUESTED: $0
  - REQUESTED FY-2009: $0
  - REQUESTED FY-2010: $0
  - REQUESTED FY-2011: $0
  - REQUESTED FY 2012 - 2015: $5,000

**Operating Impact:**
- **Increase:** $125
- **Decrease:** $0

The construction of the building is in line with the Master Plan to reduce overcrowding in the Student Center Dinning facilities and create an facility for all faculty to share ideas. If this project is not funded as requested and if the University cannot fund the project, the Rowan vision, which encompasses all aspects of University life, will not be realized.
Rowan University

Agency Capital Budget Request (000's)

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>ROWAN UNIVERSITY</td>
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<td>Operating Impact</td>
<td>Increase: $0</td>
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This project consists of a series of renovations, some small and some major, to a select few buildings in order to provide facilities in keeping with the University's space plan. The renovations are needed to provide space to consolidate academic department, provide for expansion of student and administrative service and to insure a logical location for the various University functions. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on availability of resources; i.e., needed academic and/or support space. Additionally, the Rowan vision, which encompasses all aspects of University life, will not be realized.

ROWAN UNIVERSITY

NEW ACADEMIC BUILDING #1
LOCATION: ROWAN UNIVERSITY

| Dept Priority | 42 |
| Project ID | 75D075 |
| Project Type Code | E02 |
| Project Type Description: Construction-New |
| General | $19,162 | $0 | $0 | $0 | $19,162 |
| Sub-Total | $19,162 | $0 | $0 | $0 | $19,162 |
| Operating Impact | Increase: $700 | Decrease: $0 |

This project is a phase in the Master Planning for the Rowan campus one of five new academic buildings to accommodate the anticipated growth of the campus. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on available resources. Additionally, the Rowan vision, which encompasses all aspects of University life will not be realized.

ROWAN UNIVERSITY

NEW ACADEMIC BUILDING #2
LOCATION: ROWAN UNIVERSITY

| Dept Priority | 43 |
| Project ID | 75D076 |
| Project Type Code | E02 |
| Project Type Description: Construction-New |
| General | $18,600 | $0 | $0 | $0 | $18,600 |
| Sub-Total | $18,600 | $0 | $0 | $0 | $18,600 |
| Operating Impact | Increase: $650 | Decrease: $0 |

This project is a phase in the Master Planning for the Rowan campus one of five new academic buildings to accommodate the anticipated growth of the campus. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on available resources. Additionally, the Rowan vision, which encompasses all aspects of University life will not be realized.
### Rowan University

#### Agency Capital Budget Request (000's)

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
<th>REQUESTED FY - 2009</th>
<th>REQUESTED FY - 2010</th>
<th>REQUESTED FY - 2011</th>
<th>REQUESTED FY 2012 - 2015</th>
</tr>
</thead>
</table>

**ROWAN UNIVERSITY**

**NEW ACADEMIC BUILDING #3**

**LOCATION:** ROWAN UNIVERSITY

- **Dept Priority:** 44
- **Project ID:** 75D077
- **Project Type Code:** E02  
  **Project Type Description:** Construction-New

| General: | $19,929 | $0 | $0 | $0 | $19,929 |
| Sub-Total: | $19,929 | $0 | $0 | $0 | $19,929 |

**Operating Impact:**  
**Increase:** $700  
**Decrease:** $0

This project is a phase in the Master Planning for the Rowan campus on of five new academic buildings to accommodate the anticipated growth of the campus. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on available resources. Additionally, the Rowan vision, which encompasses all aspects of University life will not be realized.

---

**ROWAN UNIVERSITY**

**NEW ACADEMIC BUILDING #4**

**LOCATION:** ROWAN UNIVERSITY

- **Dept Priority:** 45
- **Project ID:** 75D078
- **Project Type Code:** E02  
  **Project Type Description:** Construction-New

| General: | $19,344 | $0 | $0 | $0 | $19,344 |
| Sub-Total: | $19,344 | $0 | $0 | $0 | $19,344 |

**Operating Impact:**  
**Increase:** $750  
**Decrease:** $0

This project is a phase in the Master Planning for the Rowan campus one of five new academic buildings to accommodate the anticipated growth of the campus. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on available resources. Additionally, the Rowan vision, which encompasses all aspects of University life will not be realized.

---

**ROWAN UNIVERSITY**

**NEW ACADEMIC BUILDING #5**

**LOCATION:** ROWAN UNIVERSITY

- **Dept Priority:** 46
- **Project ID:** 75D079
- **Project Type Code:** E02  
  **Project Type Description:** Construction-New

| General: | $21,555 | $0 | $0 | $0 | $21,555 |
| Sub-Total: | $21,555 | $0 | $0 | $0 | $21,555 |

**Operating Impact:**  
**Increase:** $650  
**Decrease:** $0

This project is a phase in the Master Planning for the Rowan campus one of five new academic buildings to accommodate the anticipated growth of the campus. If this project is not funded as requested and if the University cannot fund the project, it will result in failure to attract new students based on available resources. Additionally, the Rowan vision, which encompasses all aspects of University life will not be realized.
Rowan University

Agency Capital Budget Request (000's)

|------------|---------------------|---------------------|---------------------|--------------------------|

**ROWAN UNIVERSITY**

**ALUMNI CENTER RENOVATIONS**

LOCATION: ROWAN UNIVERSITY

Dept Priority: 47
Project ID: 75D080
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

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**Operating Impact:** Increase: $0  Decrease: $0

This project will consist of the renovation and rehabilitation of the Alumni Center. A focal point on the campus, the facility is in need of upgrades due to its expected future usage. If this project is not funded as requested and the University cannot fund the project, it will result in failure to meet the vision of Rowan and the expectation of the alumni.

**ROWAN UNIVERSITY**

**DEMOLITION OF BOLE ANNEX AND B0SSHART**

LOCATION: ROWAN UNIVERSITY

Dept Priority: 48
Project ID: 75D081
Project Type Code: E01 Project Type Description: Construction-Demolition

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**Operating Impact:** Increase: $0  Decrease: $0

This project in keeping with the vision and master plan of the University call for the demolition of two current structures on the campus. The failure to fund as requested or the inability of the University to fund result in a failure to flow the vision as laid out in the master plan.

**ROWAN UNIVERSITY**

**BUNCE HALL RENOVATION AND RESTORATION**

LOCATION: ROWAN UNIVERSITY

Dept Priority: 49
Project ID: 75D082
Project Type Code: E03 Project Type Description: Construction-Renovations and Rehabilitation

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**Operating Impact:** Increase: $0  Decrease: $0

This project calls for the total renovation and restoration of Bunce Hall a significant architectural feature on the University Campus.
### Rowan University

#### Agency Capital Budget Request (000's)

<table>
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<tr>
<th>TOTAL COST 7 YR PROG</th>
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<th>REQUESTED FY - 2011</th>
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### Rowan University

**STUDENT CENTER RENOVATIONS**

**LOCATION:** ROWAN UNIVERSITY

- **Dept Priority:** 50
- **Project ID:** 75D083
- **Project Type Code:** E03
- **Project Type Description:** Construction-Renovations and Rehabilitation

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

This project is the continuation of the renovation and upgrades of the student center at Rowan. If this project is not funded as requested, or the University cannot fund the project, it will result in the failure to attract and maintain students. And have a negative impact on the vision of Rowan.

### Rowan University

**LIBRARY 5TH FLOOR RENOVATION**

**LOCATION:** ROWAN UNIVERSITY

- **Dept Priority:** 51
- **Project ID:** 75D085
- **Project Type Code:** E03
- **Project Type Description:** Construction-Renovations and Rehabilitation

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

Renovations and modernization of the 5th floor of the library building, in order to accommodate the vision of the University. If this project is not funded as requested and if the University cannot fund this project. The academic and support services of the University will be negatively effected. The mission amd vision of the University will not be achieved.

### Rowan University

**BOLE HALL RENOVATIONS**

**LOCATION:** ROWAN UNIVERSITY

- **Dept Priority:** 52
- **Project ID:** 75D086
- **Project Type Code:** E03
- **Project Type Description:** Construction-Renovations and Rehabilitation

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**Operating Impact:**

- **Increase:** $0
- **Decrease:** $0

This project is the renovation and rehabilitation of and existing administrative facility, if this project is not funded as requested and the University cannot fund the project. The impact on the mission and vision of the University will be impacted.
### Rowan University

#### Agency Capital Budget Request

<table>
<thead>
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<th></th>
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#### ROWAN UNIVERSITY

**BOZORTH ADDITION**

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**Operating Impact:**
- **Increase:** $250
- **Decrease:** $0

This project consists of an addition to existing academic and support facilities. If this project is not funded as requested and if the University cannot fund this project, the vision of the University will be impacted.

#### ROWAN UNIVERSITY

**NORTH CAMPUS CHILLED WATER LOOP**

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<tbody>
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**Operating Impact:**
- **Increase:** $0
- **Decrease:** $0

This project is to install as per the Utility Master Plan a North campus chilled water loop to accommodate construction of planned facilities and complete the infrastructure on the North Campus. If this project is not funded as requested and if the University cannot fund this project, delays in the implementation of addition projects will result. Additionally, an impact on the overall vision of the University will result.

### Totals For:

#### Rowan University

<table>
<thead>
<tr>
<th>General</th>
<th>$18,491,213</th>
<th>$135,804</th>
<th>$9,101,243</th>
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