

**Contact: Joan Racki**

**FIVE-YEAR CAPITAL PLANS,  
INCLUDING FY 2017 CAPITAL REQUEST**

**Actions Requested:** Consider recommending to the Board:

1. Approval of the Five-Year State-Funded Capital Plan for FY 2017 – FY 2021 of \$436.0 million, to be funded by capital appropriations or Academic Building Revenue Bonds (Table 1, page 5).
2. Receipt of the Five-Year Capital Plan (FY 2017 – FY 2021) of \$200.3 million for the University of Iowa Hospitals and Clinics to be funded by Hospital Building Usage Funds (Table 2, page 6).
3. Receipt of the report on FY 2017 – FY 2021 capital plans of \$464.6 million for the universities and special schools to be funded by sources other than capital appropriations, Academic Building Revenue Bonds, or UIHC Funds (Table 3, pages 7-9).

**Executive Summary:** The Board is required by Iowa Code to submit its capital funding request for the upcoming fiscal year by October 1st. As a result of legislation enacted during the 2005 session, the Board is no longer required to submit a Five-Year Plan for state funded facilities. However, consistent with the Board's focus on planning, a Five-Year Plan for state funding is submitted for consideration. It is understood that the Plan may be modified each year as the Board reviews capital requests.

Five-year plans for the University of Iowa Hospitals and Clinics (UIHC) and capital plans of the universities and special schools to be funded from "other" sources of funds (excluding requested capital appropriations and gifts and/or other funds to match these appropriations) are also included, as required by the Board's Policy Manual.

Board action on the Five-Year Capital Plans does not constitute Board approval of specific projects, approval of the sources of funds, nor authorization for fundraising for the projects, but is an estimate of future capital needs. All projects listed on the Plans would be brought forward for specific project approval, including the source(s) of funding, as required by Board procedures. Major projects will need to meet the evaluation criteria adopted by the Board in June 2003, which include a section on alignment with an institution's mission and strategic plan.

**Five-Year State-Funded Capital Plan:** The Board Office recommendation for the FY 2017 – FY 2021 five-year period totals \$436.0 million in state appropriations or academic building revenue bond authorization, with \$71.0 million in private / other funds.

The recommendation includes no requests for FY 2017 in light of recent appropriations for Regent projects. The 2014 and 2015 sessions of the General Assembly appropriated a total of \$185.3 million for FY 2016 – FY 2021 for the following Regent projects: SUI – Pharmacy (\$64.3 million), ISU – Biosciences (\$50.0 million) and Student Innovation Center (\$40.0 million), UNI – Schindler Renovation (\$30.9 million) and Iowa Public Radio (\$0.1 million).

The following summarizes the total appropriations by fiscal year:

<u>Fiscal Year</u>	<u>\$ millions</u>
2016	\$ 39.1
2017	65.4
2018	50.8
2019	10.0
2020	10.0
2021	<u>10.0</u>
Total	\$185.3

The recommendation for the out-years (FY 2018 – FY 2021) includes funding for fire and environmental safety, correction of deferred maintenance, campus security, regulatory compliance, Iowa Public Radio, energy conservation and the highest priorities for the universities and the Iowa School for the Deaf including a number of major renovation projects to update and improve the learning and research infrastructure of the universities. (There is no project specific capital request for the Iowa Braille and Sight Saving School.) These projects are shown in Table 1 (page 5).

University of Iowa Hospitals and Clinics Five-Year Plan: The University of Iowa Hospitals and Clinics Five-Year Plan (FY 2017 - FY 2021) of capital projects, in the amount of \$200.3 million (see Table 2, pages 6), would be financed by patient-generated funding (building usage funds).

The plan focuses on remodeling/renovation/rehabilitation and includes multiple projects to provide electrical power enhancements, replace air handling units, refurbish elevators, replace roofs, renovate laboratories to accommodate new technology and convert inpatient rooms to single-beds. The plan also includes expansion of pre and post-surgery patient facilities and clinical laboratory enhancements on level 6 of the Roy Carver Pavilion.

The projects for which approvals would be requested during the FY 2017 – FY 2021 period can be summarized by type, as follows:

	<u>(\$ Thousands)</u>
Fire & Environmental Safety Resolution	\$ 4,875
Remodeling/Renovation/Rehabilitation	<u>195,433</u>
Total	\$200,308

Other Funds: The institutional five-year plans (FY 2017 – FY 2021) to be financed from sources other than state-funded requests (and gifts and other funds to match these appropriations) or UIHC revenues total \$464.6 million. (see Table 3, pages 7-9) Included are projects for the residence, parking, utility and telecommunications systems.

Other fund sources include: operating budget building repair funds, income from treasurer's temporary investments, auxiliary service or enterprise bond funds (utility, telecommunications and residence systems), Iowa Department of Transportation institutional roads program, gifts and grants, and departmental renewal and replacement funds.

Amounts of other funds by institution and fiscal year (\$ thousands) are summarized below:

	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Total</u>
SUI	\$ 50,411	\$30,221	\$ 46,346	\$35,577	\$ 67,598	\$230,153
ISU	40,168	28,569	48,729	17,219	5,244	139,929
UNI	<u>20,602</u>	<u>3,012</u>	<u>27,012</u>	<u>6,072</u>	<u>37,822</u>	<u>94,520</u>
Total	\$111,181	\$61,802	\$122,087	\$58,868	\$110,664	\$464,602

**Additional Information:**

**Regent Facilities:** Quality facilities are an integral part of the academic enterprise; they help ensure quality academic programs and the ability to attract and retain faculty and students. They are needed to compete for faculty, staff, and students, and improve the research productivity of the faculty.

Academic/research/administrative (general fund) facilities at the Regent institutions total approximately 18.0 million gross square feet of the total 38.1 million gross square feet of Regent enterprise facilities. The replacement value of all Regent facilities is estimated at \$17.2 billion, of which \$8.6 billion is the replacement value for academic/research/administrative facilities.

Recent Capital Appropriations / Bonding Authorization: Between 1995 and 2004, state financing for Regent capital projects was provided by state appropriations from the Rebuild Iowa Infrastructure Fund and Tobacco Bond Proceeds. During the 2004 and 2007 legislative sessions, the Board received authorization for the sale of Academic Building Revenue Bonds; the total authorized amount was more than \$250 million in project costs. Tuition and fee revenues are used for debt service payments on these bonds. The tuition replacement appropriation from the State replaces that revenue. This funding mechanism used by the Regent universities is unique among state entities and is authorized under Iowa Code §262A.

In addition, more than \$100 million were appropriated during the 2006 and 2007 sessions for high priority capital projects. During the 2008 session, \$1.8 million were appropriated for Phase II of the construction and renovation of the Veterinary Medical Facilities at Iowa State University and \$2.0 million (reduced in the 2009 session to \$1.9 million) were appropriated for infrastructure, deferred maintenance and equipment related to Iowa Public Radio.

The 2009 session authorized \$100 million for flood recovery at the University of Iowa and \$38 million for Phase 2 of the Veterinary Medical Facilities. During the 2011 legislative session, the Regent institutions received appropriations over a number of fiscal years totaling \$114.4 million, including \$110.4 million for projects (SUI – Dental Science Building Renovation; ISU – Agricultural and Biosystems Engineering; and UNI – Bartlett Hall Renovation) and \$4 million to correct immediate fire safety needs and for compliance with the federal Americans with Disabilities Act (ADA). (The 2012 legislative session authorized the use of \$2 million of these funds for storm damage recovery at the special schools.)

During the 2013 legislative session, the General Assembly and the Governor approved \$2 million to correct fire safety deficiencies and deferred maintenance at the Regent institutions and provide for compliance with ADA.

The 2014 General Assembly appropriated and the Governor approved a total of \$145.2 million from FY 2016 – FY 2018 for the Board's three highest priority projects: SUI - Pharmacy Replacement / Improvements, ISU – Biosciences Facilities, and UNI – Schindler Education Center Renovation. During the 2015 session, the sum of \$40 million was appropriated for FY 2017 – FY 2021 for the ISU Student Innovation Center.

Capital appropriations and Academic Building Revenue Bond authorization total more than \$1.088 billion from FY 1996 – FY 2021 for the Regent enterprise.

**BOARD OF REGENTS, STATE OF IOWA  
BOARD OFFICE**  
**FIVE-YEAR STATE-FUNDED CAPITAL PLAN**  
**FISCAL YEARS 2017 THROUGH 2021**  
(**\$ Thousands**)

**BOARD OF REGENTS  
STATE OF IOWA**

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TABLE 2  
UNIVERSITY OF IOWA HOSPITALS AND CLINICS  
FY 2017 - FY 2021 FIVE-YEAR CAPITAL PLAN SUMMARY

The projects listed in the Five-Year Capital Plan include only those that are anticipated to be initiated during fiscal years 2017-2021. The plan does not include projects enumerated in the UIHC's 2016 Capital Plan, including modernization projects associated with implementation of UIHC's Strategic Facilities Master Plan, or those with previously approved budgets for which expenditures will be made during this five year period.

All of These Projects are Contingent Upon the Availability of Self-Generated UIHC Funding, UIHC Bond Revenue and/or Gifts, Approval through UIHC's Annual Capital Budget Process, Conclusions/Recommendations Adopted for Renovating Existing Facilities as Part of UIHC's Strategic Facilities Master Plan for FY 2006-2035, and Approval of Each Project by the Board of Regents, State of Iowa. (\$ in Thousands)

Project	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total	Source of Funds
<b>Fire and Environmental Safety Resolution</b>							
Joint Commission Plan for Improvement (Multiple Projects)	\$ 650	\$ 650	\$ 750	\$ 750	\$ 750	\$ 2,875	9
Fire Protection Systems Replacement	400	400	400	400	400	2,000	9
<b>Subtotal - Fire and Environmental Safety Resolution</b>	<b>\$ 1,050</b>	<b>\$ 1,050</b>	<b>\$ 1,150</b>	<b>\$ 1,150</b>	<b>\$ 475</b>	<b>\$ 4,875</b>	
<b>Remodeling/Renovation/Rehabilitation</b>							
UIHC Electrical Power Enhancements (Multiple Projects)	\$ 5,800	\$ 5,800	\$ 5,800	\$ 5,800	\$ 6,300	\$ 29,500	9
Air Handling Unit Replacements - Hospital Wide (Multiple Projects)	1,210	1,820	1,820	1,510	1,510	7,870	9
Center for Procedural Skills & Simulation - Laboratory Development (Multiple Projects)	400	3,500	3,500	3,100		10,500	9
Renovation of Diagnostic and Therapeutic Imaging Laboratories o Accommodate New Technology (Multiple Projects)	350	350	350	350	350	1,750	9
Pneumatic Tube System Supplementation (Multiple Projects)	250	250	250	500	500	1,750	9
UIHC Elevator Refurbishments (Multiple Projects)	765	765	765	825	825	3,180	9
Discharge Lobby and Outpatient Pharmacy - Fountain Entrance	500	3,350	6,150			10,000	9
Neurology Clinic Renovation	408	408				816	9
Roof Replacements and Recovers - UIHC Wide (Multiple Projects)	312	535	535	485	485	1,867	9
Single-Bed Inpatient Room Conversion (Multiple Projects)	150	1,150	1,150	20,850	20,850	37,300	9
Main OR Suite Pre and Post Surgery Patient Prep and Recovery Facilities Expansion	100	2,500	7,500	7,400	7,400	17,500	9
Clinical Laboratory Enhancements - 6 RCP Center for Digestive Diseases - Clinical Service Expansion and Consolidation	100	3,000	10,000	5,300	5,300	18,400	9
Heart and Vascular Office Consolidation	100	1,200	700			2,000	9
Installation of 3T MRI Unit - UI Children's Hospital UIHC Facilities Enhancement Program (Multiple Projects)	4,000	4,000	6,000	4,850	4,850	10,000	9
<b>Subtotal Remodeling/Renovation/Rehabilitation*</b>	<b>\$ 11,010</b>	<b>\$ 19,155</b>	<b>\$ 38,778</b>	<b>\$ 72,970</b>	<b>\$ 53,520</b>	<b>\$ 195,433</b>	
<b>Grand Total - UIHC</b>	<b>\$ 12,060</b>	<b>\$ 20,205</b>	<b>\$ 39,928</b>	<b>\$ 74,120</b>	<b>\$ 53,995</b>	<b>\$ 200,308</b>	

\* UIHC's Strategic Facilities Master Planning process for FY 2006-2035 calls for remodeling/rehabilitation of existing facilities that will likely result in identification of additional projects for initiation during the FY 2017-2021 period. In accord with long-standing practice, any such changes which arise will be fully documented for consideration and approval by the Board of Regents, State of Iowa.

**Source of Funds Key:**

- 1 State Appropriation or Bonding Authorization
- 2 Building Renewal Funds
- 3 Income from Treasurer's Temporary Investments
- 4 Gifts and Grants
- 5 Departmental Renewal and Replacement Funds
- 6 Auxiliary Service or Enterprise Revenue Bonds
- 7 Iowa DOT (Road Use Tax Funds)
- 8 Student Health Fees
- 9 University Hospitals Building Usage Funds
- 10 Ctr for Disabilities & Dev Building Usage Funds
- 11 UIHC Bonds

As previously noted, all of the projects identified in UIHC's Five Year Capital Plan are contingent on the availability of self-generated UI Hospitals and Clinics funding, UIHC bond revenue and/or gifts, approval through UIHC's annual capital budget process, finalizing specific renovation projects associated with UIHC's strategic facilities plan for FY 2006-2035, and approval of each project by the Board of Regents, State of Iowa. In addition, the "cutting edge" responsibility of the UIHC constantly brings about some revision in planning. While the foregoing enumeration includes all projects now envisioned for the FY 2017-2021 period, it is likely that the dynamics of clinical service-educational demands and co-curricular social forces, and accreditation and regulatory requirements will mandate other projects as time moves on. In accord with long-standing practice, any such changes which arise will be fully documented for consideration and approval by the Board of Regents, State of Iowa.

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STATE OF IOWA**

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**TABLE 3  
OTHER FUNDS FIVE-YEAR CAPITAL PLANS\***  
(\$ Thousands)

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Five Year Total	Source of Funds
<b>University of Iowa</b>							
Campus Repairs and Improvements	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 450	\$ 2,250
Correction of Deferred Maintenance	10,000	10,000	10,000	10,000	10,000	50,000	2.3
Fire Safety Projects	1,100	1,100	1,100	1,100	1,100	5,500	2.3
Security Access	300	300	300	300	300	1,500	2.3
General Classroom / Laboratory Improvements	400	400	400	400	400	2,000	2
Institutional Roads Program	834	824	824	844	844	4,170	7
Parking System - Improvements & Replacements	3,500	3,500	3,500	3,500	3,500	17,500	5.6
Burge Hall Public Area Renovations	3,100	3,100	1,000	1,000	1,000	9,200	5
Burge Hall Plumbing & Vanity Replacement			1,350	1,350		2,700	5
Currier Hall Floor Lounge Additions			1,000			1,000	5
Currier Hall Public Area Renovations	881					881	5
Daum Hall Public Area Renovations						3,000	5
Hillcrest Hall Public Area Renovations						3,000	5
Hillcrest Hall Plumbing & Vanity Replacement	1,250	1,250				2,500	5
Hillcrest Hall Door & Frame Replacement						1,000	5
Mayflower Hall Floor Lounges						3,000	5
Mayflower Hall Public Area Renovations	800	800				1,600	5
Parklawn Hall Renovate Kitchens & Bathrooms						1,000	5
Rienow Hall Plumbing & Vanity Replacement						1,500	5
Rienow Hall Public Area Renovations						2,000	5
Slater Hall Public Area Renovations						2,000	5
University Housing Improvements & Replacements	2,896	3,797	1,572	2,083	3,844	13,992	5
Telecommunications Improvements	3,100	3,100	3,100	3,100	3,100	15,500	5
Rebuild Currier Steam Tunnel - Bloom to Market	4,000					4,000	5
Water Plant - Reverse Osmosis Project	5,000					5,000	5
Power Plant (PP) - Add Speed Control to Boiler 11 Fans	1,000					1,000	5
Old Capitol Tunnel	12,000					12,000	5.6
Power Plant (PP) - PM2.5 Compliance (air quality)						1,600	5
Replace Riverside Dr / Grand Ave Steam Dist- Phase 2						13,000	5.6
Rebuild Currier Steam Tunnel - Market to Jefferson						4,000	5.6
Water Plant - Filter Project						4,000	5.6
PP - Turbine Generator 1 and 5 Replacement						1,000	5
Water Plant - Improve & New River Water Intake						6,000	5.6
Central Emergency Back-up Power - Phase 2 Main Campus						1,200	5
Increase Main Campus Chilled Water Capacity						10,000	5.6
Direct Bury Steam Lines - Arts Campus						4,860	5.6
IMU Tunnel & IMU Old Cap Tunnel - Direct Bury Steam						12,200	5.6
<b>Total - SUI</b>	<b>\$ 50,411</b>	<b>\$ 30,221</b>	<b>\$ 46,346</b>	<b>\$ 35,577</b>	<b>\$ 67,598</b>	<b>\$ 230,153</b>	

Source of Funds Key:

- 1 State Appropriation on Bonding Authorization
- 2 General Fund Building Renewal
- 3 Income from Treasurer's Temporary Investments
- 4 Gifts and Grants

- 5 Departmental Renewal and Replacement Funds
- 6 Auxiliary Serv. or Enterprise Rev. Bonds
- 7 Iowa DOT (Road Use Tax Funds)
- 8 Student Health Fee
- 9 University Hospital Building Usage Fund
- 10 Center for Disabilities and Development Building Usage Fund
- 11 University Hospital Revenue Bonds
- 12 Federal Appropriations

**TABLE 3  
OTHER FUNDS FIVE-YEAR CAPITAL PLANS\***  
(\$ Thousands)

<b>Iowa State University</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Five Year Total</b>	<b>Source of Funds</b>
Chiller #6	\$ 7,000	\$ 3,000				\$ 10,000	6
Besssey Utility Infrastructure	250	250				250	6
Advanced Teaching & Research Bldg Utility Infrastructure	250	250				500	6
Lied Recreation Steam Line	500					500	6
Power Plant Fire Alarm System Replacement	500	1,000	\$ 500			500	6
Power Plant Station Power Improvements	1,000	5,000	\$ 5,000			2,500	6
Gerdin Building Addition	11,700	5,000	2,000	\$ 2,500	\$ 2,500	21,700	4,5
Memorial Union Remodeling	5,000	3,100	620	824	844	12,000	3,46
Telecommunications	3,800	918	834	23,200		14,400	6
Institutional Roads Program						4,244	7
West Campus Parking Structure						23,200	6
Iowa State Center Parking and Drive Improvements	1,300			4,900		11,100	6
Fredericksen Court - Life Cycle Paint and Carpet	550	550	800	550		2,450	6
Residence System - Correct Deferred Maintenance	1,280	1,400	620	645		3,945	6
Residence System - Elevator Code Issues	820	915				1,735	6
Fredericksen Court - Upgrade Fire Alarm System	1,150					1,150	6
Schillietter Village - Replace Roofs, Windows & Decks	300					300	6
Buchanan - Bathroom Improvements	825					825	6
BirchWelch/Roberts - Restrooms, Stud. Room Flooring, Pail	2,325					2,325	6
BirchWelch/Roberts - Replace Windows	700					700	6
Linden - Restrooms, Flooring, Paint, Lighting			2,120			2,120	6
Linden - Replace Windows			800			800	6
Maple/Mallow/Larch Commons - Replace Windows			500			500	6
Friley - Replace Connectors			550			550	6
Wallace Hall - Replace Windows, Flooring, Paint, Lighting			2,400			2,400	6
Wallace Wilson Commons - Replace Windows, Remodel			1,150			1,150	6
Maple Hall - Replace Flooring, Sinks, Paint & Lighting			1,500			1,500	6
Heiser Hall - Replace Windows			805			805	6
Heiser Hall - New Student Room Furniture			1,600			1,600	6
Heiser Hall - Remove Built-ins, New Flooring, Bathrooms			3,180			3,180	6
Friley - Replace Windows			800			800	6
Friley - Bathroom Improvements			500			600	1,700
Friley - Life Cycle Flooring						500	1,000
Oak/Elm - Replace Windows						700	6
Oak/Elm - Replace Restrooms, Flooring, Lighting and Paint						1,300	6
Oak/Elm - Add Passenger Elevator						1,500	6
Wilson - Replace Windows						900	6
Wilson - Replace Student Room Flooring, Lighting and Paint						1,500	6
<b>Total - ISU</b>	<b>\$ 40,168</b>	<b>\$ 28,569</b>	<b>\$ 48,729</b>	<b>\$ 17,219</b>	<b>\$ 5,244</b>	<b>\$ 139,929</b>	

Source of Funds Key:

- 1 Capital Appropriation or Bonding Authorization
- 2 Building Renewal (Repair) Funds
- 3 Income from Treasurer's Temporary Investments
- 4 Gifts and Grants
- 5 Departmental Renewal and Replacement Funds

6 Auxiliary Service or Enterprise Revenue Bonds

7 Institutional Roads Funds (Iowa DOT)

8 University Hospitals Building Usage Fund

9 University Hospitals Revenue Bonds

10 Parking System Operations

**TABLE 3**  
**OTHER FUNDS FIVE-YEAR CAPITAL PLANS\***  
(**\$ Thousands**)

<b>University of Northern Iowa</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Five Year Total</b>	<b>Source of Funds</b>
Institutional Roads	\$ 417	\$ 412	\$ 412	\$ 422	\$ 422	\$ 2,085	7
Towers, Nohren Halls Roofs		500	350	500		1,350	6
Residence System - ResNet Upgrades	200	200	200			600	6
Residence System - Food Court / Convenience Store Remodel	300			700	1,000	300	6
Nohren Hall Restroom Remodels				1,000	1,000	1,700	6
Residence Hall Vanity Replacements				1,000	1,000	2,000	6
Residence Hall Cabinet Replacements				1,000	1,000	2,000	6
Residence Hall Air Conditioning				750	750	1,500	6
Campbell Residence Hall Modernization	50	50	50		30,000	30,000	6
Maucker Union				50	50	250	6
Dome Turf Replacement	1,000				1,000	1,000	4
Basketball/Volleyball Practice Facility	16,000					16,000	4
UNI Dome Restroom and Club Boxes			22,000			22,000	4
Mark Messersmith Track & Field - Field Synthetic Field					2,000	2,000	4
Parking System - General Maintenance of Parking Lots	235	200	100		250	200	535
Parking System Capital Renewal						450	10
North Dome Gravel Lot	250	250	600			500	10
Gilchrist "A" Parking Lot						600	10
Campus Recreation Fields Relocation	750					750	3
Building Repair	1,400	1,400	1,400		1,400	1,400	7,000
Cooling Tower Replacement			1,900			1,900	2
<b>Total - UNI</b>	<b>\$ 20,602</b>	<b>\$ 3,012</b>	<b>\$ 27,012</b>	<b>\$ 6,072</b>	<b>\$ 37,822</b>	<b>\$ 94,520</b>	
<b>GRAND TOTAL</b>	<b>\$ 111,181</b>	<b>\$ 61,802</b>	<b>\$ 122,087</b>	<b>\$ 58,868</b>	<b>\$ 110,664</b>	<b>\$ 464,602</b>	

Source of Funds Key:

- 1 Capital Appropriation or Bonding Authorization
- 2 Building Renewal (Repair) Funds
- 3 Income from Treasurer's Temporary Investments
- 4 Gifts and Grants
- 5 Departmental Renewal and Replacement Funds

- 6 Auxiliary Service or Enterprise Revenue Bonds
- 7 Institutional Roads Funds (Iowa DOT)
- 8 University Hospitals Building Usage Fund
- 9 University Hospitals Revenue Bonds
- 10 Parking System Operations