



UNIVERSITY OF CALIFORNIA  
FIVE-YEAR CAPITAL PROGRAM  
NON-STATE AND STATE FUNDS  
2007-08 TO 2011-2012



**University of California**  
**Five-Year Capital Program Report**  
**Non-State and State Funds**  
**2007-08 to 2011-12**

This report provides an overview of the longer-term capital plans of the campuses, including a summary of capital projects that campuses expect to propose for funding from non-State and State sources over the next five years. The Non-State and State Capital Program presented is the campuses' best estimate of fund sources that will be available for defined capital projects over the next five years, including debt financing, campus resources, gifts, capital reserves, federal funds and State funds. This summary of future non-State and State funded projects is presented to the Board of Regents for information purposes only, to provide an overview of what is currently expected to be the University's capital program over the next five years.

The scope, cost, and funding plan of projects included in this report may change to some degree by the time each project is formally presented for project and funding approval. Individual projects funded from non-State sources will continue to be brought to the Board for approval at its regular meetings, as the scope and cost of projects are finalized and the feasibility of funding plans is confirmed. A separate document, the *2008-09 Budget for State Capital Improvements*, will be presented for approval at the November 2007 meeting.

Even though the program of anticipated campus projects addresses a wide range of facilities needs, the identified projects do not meet all campus capital needs. Campuses have included projects in this report that they believe are sufficiently defined in terms of scope and cost at this time and for which a reasonable funding plan can be defined. For example, potential projects to meet identified needs may not be included because feasibility studies are underway, alternative solutions are being evaluated, or funding sources have not yet been identified. Some campuses are evaluating the feasibility of capital campaigns to raise gift funds for capital purposes or are in the process of identifying the priority projects to be included in a future gift campaign.

The University is currently assessing its longer-range enrollment expectations and is developing a new enrollment plan that will extend into the next decade. This process will take into account not only new projections of high school graduates but also continued strong freshman demand, the University's commitment to increase community college transfer rates, and the need to re-balance the proportion of graduate and undergraduate students enrolled to better meet State workforce needs. This process will be completed over the next year. Campus capital planning for this five-year program is based on existing enrollment targets currently defined through 2011-12.

Campuses are currently preparing requests for major capital grants from the California Institute for Regenerative Medicine (CIRM) authorized by Proposition 71. Since this process will not be completed until spring 2008, potential future CIRM funding for projects has been identified in the gifts and grants category. Projects that receive CIRM funding will be presented to the Regents for approval at a later date in this fiscal year.

The report contains a chapter devoted to each campus that includes the following information:

- An overview of the campus planning context in which the projection of the Five-Year Program has been developed.

- A table that displays the projects that the campus expects to bring forward for full budget approval between 2007-08 and 2011-12, followed by a summary of the total project costs and anticipated fund sources that will support the Capital Program.
- A brief narrative description of each capital project proposed for funding from non-State sources during the five-year period. Descriptions of State-funded projects can be found in the Budget for State Capital Improvements.

The table presented for each campus includes both information about both proposed projects and the construction program already underway. Each campus table includes a list of projects that have been previously approved (as of October 1, 2007) but are still in the design or construction phase, in order to provide information about how proposed new projects fit into the ongoing construction program on the campus. These projects are highlighted in gray.

Information is also provided for each project that describes program objectives and identifies whether the project accommodates enrollment growth, provides space flexibility, creates space for new program initiatives, or corrects building deficiencies. Information is displayed about project scope, fund sources supporting the project, the anticipated fiscal year in which project approval will be requested, and the fiscal year in which completion of the project is anticipated.

Note that “approval year” for previously-approved projects indicates the most recent year in which either initial project approval was obtained or a funding augmentation was approved. For example, a project may have been approved originally in 2004-05 but also received approval for a funding augmentation in 2006-07; in this instance, the approval year would be shown as 2006-07.

Fund sources to support future projects are identified by the following major categories:

- *Debt* – External borrowing.
- *Equity* – Campus funds or other University sources.
- *Gifts* – Gifts in hand, pledges, and amounts expected to be raised, and grant funds.
- *Capital Reserves* – Reserves associated with auxiliary and business enterprises, including hospitals, housing, parking, and other self-supporting facilities.
- *Federal* – Funds from any federal agency.
- *State* – State funds consistent with the State capital program.
- *3rd Party* – Privatized development by a third party.

Campuses have been successful in recent years in acquiring gifts to fund new facilities. However, the amount of gift funds that may be available over the next five years to support capital projects is difficult to estimate, especially as some projects rely on the generosity of only one or two donors. Therefore, the report distinguishes between new gift-funded projects that the campus is committed to moving forward in the five-year period and gift-funded projects that would move forward only when gift funds are available. The costs of projects that will move forward only when gift funds are available are not included in the campus funding summary.

Some campus capital development has taken place through land lease agreements and other development arrangements with third party entities, including student and faculty housing. These projects are not normally included in the capital budget but rather are approved through a variety of contractual and financial arrangements. Potential third party developments on the campuses are included in this report, however, in order to display the full range of anticipated development activities. Note that project costs for privatized development are not included in the campus funding summary.

# **DAVIS CAMPUS**

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**2007-08 to 2011-12 Capital Program**

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## **DAVIS CAMPUS**

### **2007-08 to 2011-12 Capital Program**

The Davis campus has experienced considerable enrollment and research program growth in recent years. General campus enrollment in 2006-07 totaled about 27,300 FTE. Enrollment is expected to continue to grow, and capital planning is based on reaching an on-campus enrollment of about 29,350 FTE in 2010-11.

The 2003 Long Range Development Plan (LRDP) assumes enrollment will increase to about 32,000 head count students (30,000 on-campus students) by 2015-16. Within this context, the campus is addressing housing for students, staff, and faculty. A new neighborhood will be constructed beginning in 2008 that will aid in recruitment and retention of the best students, faculty and staff by providing more affordable housing than that is available in the city of Davis. The LRDP also identifies campus lands to be used in public/private partnerships, such as the Hotel project, which will begin construction in 2008 and will support the new conference center adjacent to the Graduate School of Management.

Projects using State funds address needed infrastructure and support systems, correct safety and code deficiencies, and renew or replace old and obsolete buildings. To meet the needs of the campus academic programs, key priorities for the State capital improvement budget include expansion of facilities and modernization of existing facilities and infrastructure.

Projects funded from non-State sources are also proposed to accommodate recent and anticipated growth, including Hunt Hall and Cruess Hall Renovations. Infrastructure, housing, and student activity projects are included to support campus growth. New academic initiatives in energy, the environment, and the arts form the basis for the campus growth in academic endeavors. Projects such as the Robert Mondavi Institute for Wine and Food Science will accommodate historically strong academic programs. They are important to the continued campus commitment to be at the forefront in the pursuit of knowledge.

Projects included for the School of Veterinary Medicine address both the replacement of aging and obsolete facilities required for the enhancement of existing academic research and teaching programs. The Veterinary Medicine 3B project will consolidate remaining core campus research programs with recently completed instructional facilities in the Health Sciences District.

As the region's only academic medical center, the UC Davis Health System is at the forefront of the latest discoveries and best treatments. Patients continue to choose UC Davis Medical Center as their first choice for health care in the region. The UC Davis Medical Center is committed to providing the finest facilities to meet the healthcare requirements of the diverse population residing in Northern California. The Five-Year Capital Program includes several projects that are essential to meet the growing demand for health care services and the expanding research enterprise. Construction is underway on the Same Day Surgery Center. Tower II, Phase 4 will provide 36 new Trauma nursing beds, while work continues on the Surgery and Emergency Services Pavilion. Several projects for the Stockton Boulevard Research Center (SBRC) supporting stem cell research are in progress. These projects will remodel SBRC space for laboratories and a vivarium; extend Central Energy Plant power, heating and cooling lines to the SBRC; and upgrade site infrastructure. Work is proceeding on updating the Medical Center's 1989 Long Range Development Plan.

## KEY TO THE TABLE

### Project Lists.

- **Previously approved projects**, (as of October 1, 2007), currently in design or construction, are highlighted in gray.
- **Proposed new projects** are defined generally in terms of scope, cost, and funding, and there is a reasonable expectation that they will move forward during the five-year period.

### Program Categories.

 The list of projects is organized into four program categories.

- **Education and General** – Core instruction, research and support space. Separate sections are provided for General Campus programs, Health Sciences programs, and the California Institutes for Science and Innovation.
- **Infrastructure Development** – Utilities, central plant, major landscape/hardscape projects.
- **Auxiliary Enterprises and Fee-Supported Facilities** – Self-supporting programs and facilities such as housing, student centers, recreation, parking, child care facilities.
- **Medical Center** – Patient care facilities and medical center support space.

### Project Objectives.

 Identifies the primary purpose(s) of each project.

- **Enrollment growth** – To provide additional capacity related to student and faculty growth.
- **Space flexibility** – To provide more efficient and adaptable space, or provide staging space for renovation of existing buildings.
- **Program initiatives** – To accommodate new or expanding programs not necessarily related to enrollment growth, such as new research centers.
- **Correct deficiencies** – To address unsatisfactory conditions, including seismic or code deficiencies, capital renewal, technological obsolescence, or modernization needs.

### Scope.

 Defines the size of the project, such as assignable square feet (asf).

### New, Renovation or Both.

 Indicates whether the project involves new construction or renovation.

### Total Project Cost (\$000s).

 Provides the estimated total cost in thousands of dollars.

### Fund Sources.

 Identifies the major categories of fund sources used to support the project.

- **Debt** – External borrowing.
- **Equity** – Campus funds or other University sources.
- **Gifts** – Gifts in hand, pledges, and amounts expected to be raised, and grant funds.
- **Capital Reserves** – Reserves associated with auxiliary and business enterprises, including hospitals, housing, parking, and other self-supporting programs.
- **Federal** – Funds from any federal agency.
- **State** – State funds associated with both fully-funded and jointly-funded State/non-State projects, consistent with the State capital program. State funds are listed in brackets [ ].
- **3<sup>rd</sup> Party** – Privatized development by a third party.

### Approval Year.

 For previously approved projects, the most recent fiscal year in which the project or an augmentation to project funding was approved. For future projects, the anticipated fiscal year in which approval will be sought.

### Occupancy Year.

 The fiscal year in which occupancy of the building is expected to occur.

### Gift-funded Projects.

 New gift-funded projects that the campus is committed to move forward in the five-year period are identified. Additionally, other potential gift-funded projects that would move forward only when funding is available are identified in *italics* and the cost of these projects is not included in the campus funding summary following the list of projects.

## DAVIS CAMPUS

### Five-Year Capital Program 2007-08 to 2011-12

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost (\$000s)	Fund Sources	Approval Year	Occupancy Year
<b>EDUCATION AND GENERAL</b>											
<i>General Campus</i>											
Advanced Materials Research Laboratory				X		4,000 asf	N	4,805	Equity	04-05	07-08
California National Primate Research Center Childhood Health and Disease Facility				X		5,257 asf	N	3,480	Federal	05-06	07-08
Robert Mondavi Institute for Wine and Food Science			X	X		77,500 asf	N	37,126 [ 36,809] 73,935	Debt, Equity, Gifts State Total	05-06	07-08
Hunt Hall Renovation		X			X	18,073 asf	R	7,175	Debt, Equity	06-07	08-09
California National Primate Research Center Virology and Immunology Laboratory Building				X		4,022 asf	N	5,662	Equity, Federal	06-07	09-10
Graduate School of Management and Conference Center				X		55,700 asf	N	34,500	Debt, Gifts	06-07	09-10
King Hall Renovation and Expansion			X	X	X	17,560 asf	N/R	3,924 [ 17,925] 21,849	Gifts State Total	06-07	09-10
Tupper Hall 2nd Floor Laboratory Remodel			X	X		12,591 asf	N/R	6,124	Equity	06-07	09-10
Physical Sciences Expansion		X			X	53,629 asf	N	16,968 [ 48,515] 65,483	Debt, Equity State Total	07-08	09-10
Cruess Hall Renovations			X	X	X	42,000 asf	R	10,000	Debt	07-08	10-11
Viticulture and Enology Research and Teaching Winery, and Anheuser Busch Brewing and Food Science Laboratory				X	X	29,700 asf	N	16,000	Gifts	07-08	10-11
Engineering 4		X	X	X	X	47,000 asf	N	50,000	Debt	07-08	11-12

Projects in gray are approved, but have not been completed.

Projects in italics are gift-funded projects that will move forward when funding is available.

## DAVIS CAMPUS

Five-Year Capital Program  
2007-08 to 2011-12

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost (\$000s)	Fund Sources	Approval Year	Occupancy Year
Seismic Corrections Thurman Laboratory				X	X	26,497 asf	R	[ 687]	State	08-09	08-09
Music Instruction and Recital Building		X		X		10,100 asf	N	1,393 [ 14,535] 15,928	Equity State Total	08-09	10-11
Briggs Hall Safety Improvements and Building Renewal					X	121,064 asf	R	795 [ 27,975] 28,770	Equity State Total	08-09	13-14
Haring Hall Renovations				X	X	97,857 asf	R	[ 23,610]	State	09-10	13-14
Chemistry Building Renovations					X	131,598 asf	R	[ 37,710]	State	10-11	15-16
Campus Approved Projects under \$5 Million 07-08		X	X	X			N/R	5,000	Equity	07-08	08-09
Campus Approved Projects under \$5 Million 08-09		X	X	X			N/R	5,000	Equity	08-09	09-10
Campus Approved Projects under \$5 Million 09-10		X	X	X			N/R	5,000	Equity	09-10	10-11
Campus Approved Projects under \$5 Million 10-11		X	X	X			N/R	5,000	Equity	10-11	11-12
Campus Approved Projects under \$5 Million 11-12		X	X	X			N/R	5,000	Equity	11-12	12-13
<u>Health Sciences</u>											
Research Building II Remodel			X	X		22,213 asf	R	8,945	Equity	05-06	08-09
Telemedicine Resource Center and Rural-PRIME Facility				X		25,700 asf	N	1,000 [ 35,000] 36,000	Equity, Reserves State Total	07-08	09-10

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### Five-Year Capital Program 2007-08 to 2011-12

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost (\$000s)	Fund Sources	Approval Year	Occupancy Year
Veterinary Medicine 3B				X		76,431 asf	N	21,183 [ 72,588] 93,771	Gifts State Total	07-08	10-11
Animal Resource Services J-1 Renovation, Phase 2					X	3,000 asf	R	3,800	Debt, Equity	07-08	09-10
South Valley Animal Health Laboratory				X		22,000 asf	N	[ 45,000]	State	07-08	09-10
Stockton Boulevard Research Center				X		48,881 asf	R	45,000	Gifts, Reserves	07-08	10-11
Telemedicine - PRIME Phase 2				X		500 asf	N	[ 1,250]	State	09-10	10-11
Research IV				X		36,000 asf	N	32,600	Gifts, Reserves	09-10	11-12
Campus Approved Projects under \$5 Million 07-08		X	X	X			N/R	5,000	Equity	07-08	08-09
Campus Approved Projects under \$5 Million 08-09		X	X	X			N/R	5,000	Equity	08-09	09-10
Campus Approved Projects under \$5 Million 09-10		X	X	X			N/R	5,000	Equity	09-10	10-11
Campus Approved Projects under \$5 Million 10-11		X	X	X			N/R	5,000	Equity	10-11	11-12
Campus Approved Projects under \$5 Million 11-12		X	X	X			N/R	5,000	Equity	11-12	12-13
<b>INFRASTRUCTURE DEVELOPMENT</b>											
Electrical Improvements Phase 3		X			X		N	2,038 [ 10,166] 12,204	Equity State Total	05-06	07-08

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## DAVIS CAMPUS

### Five-Year Capital Program 2007-08 to 2011-12

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost (\$000s)	Fund Sources	Approval Year	Occupancy Year
Central Plant Chiller Renewal and Energy Improvements					X		R	7,837	Debt	06-07	07-08
Relocating Agricultural Research				X			R	897	Debt	06-07	07-08
Stockton Boulevard Utilities and Site Infrastructure					X		N/R	5,385	Reserves	06-07	07-08
Central Plant Chiller and Cooling Tower Renewal					X		N	7,749	Debt	06-07	08-09
South Entry Utilities Phase 1					X		N/R	8,028	Debt, Equity	06-07	08-09
Campus Wastewater Treatment Plant Expansion Phase 1		X			X		R	3,623 [ 3,543] <u>7,166</u>	Debt, Equity State Total	07-08	07-08
Steam Expansion Phase 1		X			X		N/R	3,764 [ 10,483] <u>14,247</u>	Equity State Total	07-08	08-09
Electrical Improvements Phase 4					X		R	[ 4,335]	State	07-08	09-10
Chilled Water System Improvements Phase 7					X		R	[ 21,549]	State	08-09	10-11
Electrical Improvements Phase 5					X		R	[ 6,355]	State	10-11	12-13
Campus Wastewater Treatment Expansion Phase 2					X		R	[ 12,710]	State	11-12	14-15
Campus Approved Projects under \$5 Million 07-08					X		N/R	4,000	Equity	07-08	08-09
Campus Approved Projects under \$5 Million 08-09					X		N/R	4,000	Equity	08-09	09-10

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## DAVIS CAMPUS

Five-Year Capital Program  
2007-08 to 2011-12

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost (\$000s)	Fund Sources	Approval Year	Occupancy Year
Campus Approved Projects under \$5 Million 09-10				X			N/R	4,000	Equity	09-10	10-11
Campus Approved Projects under \$5 Million 10-11				X			N/R	4,000	Equity	10-11	11-12
Campus Approved Projects under \$5 Million 11-12				X			N/R	4,000	Equity	11-12	12-13
<b>AUXILIARY ENTERPRISES AND FEE-SUPPORTED FACILITIES</b>											
<u>Student Housing/Dining</u>											
Hotel				X			N		3rd Party	03-04	08-09
West Village Backbone Infrastructure	X			X			N	14,594	Debt	06-07	08-09
Coffee House Renovation	X			X	X	23,224 asf	N/R	9,276	Debt, Reserves	07-08	09-10
Oxford Circle Dining Commons					X	13,229 asf	R	7,000	Reserves	07-08	09-10
Tercero South Student Housing, Phase 2	X					600 beds	N	53,000	Debt, Reserves	07-08	10-11
West Village Phase 1	X					807 units	N		3rd Party	07-08	10-11
Segundo Services Center	X					26,000 asf	N	17,000	Reserves	09-10	11-12
<u>Student Activities, Recreation, Athletics</u>											
Student Resource Center				X		16,000 asf	N	15,250	Debt, Gifts, Reserves	07-08	09-10

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Projects in italics are gift-funded projects that will move forward when funding is available.

## DAVIS CAMPUS

### Five-Year Capital Program 2007-08 to 2011-12

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost (\$000s)	Fund Sources	Approval Year	Occupancy Year
<u>Student Health Center</u>											
Health and Wellness Center		X		X	X	42,000 asf	N	50,300	Debt, Reserves	06-07	09-10
Campus Approved Projects under \$5 Million 07-08			X	X	X		N/R	2,000	Equity	07-08	08-09
Campus Approved Projects under \$5 Million 08-09			X	X	X		N/R	2,000	Equity	08-09	09-10
Campus Approved Projects under \$5 Million 09-10			X	X	X		N/R	2,000	Equity	09-10	10-11
Campus Approved Projects under \$5 Million 10-11			X	X	X		N/R	2,000	Equity	10-11	11-12
Campus Approved Projects under \$5 Million 11-12			X	X	X		N/R	2,000	Equity	11-12	12-13
<b>MEDICAL CENTER</b>											
SB1953 Compliance: Surgery and Emergency Services Pavilion				X	X	231,383 asf	N	321,885 [ 102,590] 424,475	Debt, Reserves State Total	02-03	08-09
Same Day Surgery Center			X	X		8,534 asf	N	9,335	Reserves	05-06	07-08
Cancer Center Expansion				X		30,315 asf	N	35,400	Gifts, Reserves	05-06	09-10
Tower II, Phase 4 - Replacement Trauma Beds					X	14,520 asf	N	18,895	Reserves	06-07	08-09
UCDMC Central Plant Utilities Extension				X			N	11,057	Reserves	06-07	08-09

Projects in gray are approved, but have not been completed.

Projects in italics are gift-funded projects that will move forward when funding is available.

## DAVIS CAMPUS

### Five-Year Capital Program 2007-08 to 2011-12

Project Name	Objectives	Enrollment Growth	Space Flexibility	Program Initiatives	Correct Deficiencies	Scope	New, Renovation or Both (N, R, N/R)	Total Project Cost (\$000s)	Fund Sources	Approval Year	Occupancy Year
Tower II, Phase 5			X			14,001 asf	N	9,799 [ 21,600] 31,399	Gifts State Total	07-08	11-12
Parking Structure III				X		1,500 spaces	N		3rd Party	09-10	11-12
Campus Approved Projects under \$5 Million 07-08		X	X	X			N/R	11,100	Reserves	07-08	08-09
Campus Approved Projects under \$5 Million 08-09		X	X	X			N/R	10,000	Reserves	08-09	09-10
Campus Approved Projects under \$5 Million 09-10		X	X	X			N/R	6,300	Reserves	09-10	10-11
Campus Approved Projects under \$5 Million 10-11		X	X	X			N/R	10,400	Reserves	10-11	11-12
Campus Approved Projects under \$5 Million 11-12		X	X	X			N/R	8,000	Reserves	11-12	12-13

**Total Davis Campus**

**Projects Approved Before 2007-08**

Non-State Funds	605,141
State Funds	[ 167,490]
<b>Total</b>	<b>772,631</b>

**Projects in 2007-08 to 2011-12 Program**  
*(excludes gift projects in italics)*

Non-State Funds	443,251
State Funds	[ 387,445]
<b>Total</b>	<b>830,696</b>

Projects in gray are approved, but have not been completed.

Projects in italics are gift-funded projects that will move forward when funding is available.

**DAVIS CAMPUS**  
 Five-Year Capital Program  
 2007-08 to 2011-12

**2007-08 to 2011-12 Project Funding Summary  
 (\$000s)**

<b>Category</b>	<b>Debt</b>	<b>Equity</b>	<b>Federal</b>	<b>Gifts <sup>(1)</sup></b>	<b>Capital Reserves</b>	<b>Category Total</b>	<b>State Funds</b>
Education and General							
General Campus	75,762	28,394		16,000		120,156	[ 153,032]
Health Sciences	3,300	26,000		73,483	25,800	128,583	[ 153,838]
California Institutes							
<b>Subtotal</b>	79,062	54,394		89,483	25,800	248,739	[ 306,870]
Infrastructure Development	2,600	24,787				27,387	[ 58,975]
Auxiliary Enterprises and Fee-Supported Facilities	41,390	10,000		2,825	57,311	111,526	
Medical Center				9,799	45,800	55,599	[ 21,600]
<b>Non-State Funds</b>	123,052	89,181		102,107	128,911	443,251	

<sup>(1)</sup> Funding summary for 2007-08 to 2011-12 program does not include potential gift-funded projects listed in italics in the project table.

**DAVIS CAMPUS**  
**2007-08 to 2011-12 Capital Programs**

**EDUCATION and GENERAL – GENERAL CAMPUS**

**Advanced Materials Research Laboratory** **\$ 4,805,000**

This project, currently under construction, will provide 4,000 asf of laboratory and office space to house the High Velocity Oxygen Fuel (HVOF) Thermal Spray Chamber which could not be accommodated within existing structures. Co-located with the HVOF will be the Hydrogen Fuel Cell program. The site near the existing Unitrans facility places hydrogen-using research functions near a source of hydrogen. The project is funded from campus non-State funds. Completion is anticipated in 2007-08.

**California National Primate Research Center**

**Childhood Health and Disease Facility** **\$ 3,480,000**

This project, currently under construction, will provide a new 5,257 asf facility to consolidate the Brain, Mind, and Behavior Unit into one facility. The project includes testing space, animal housing, wet laboratories, surgical space, and research support space. The project is funded from Federal grant funds. Completion is anticipated in 2007-08.

**Robert Mondavi Institute for Wine and Food Science** **\$ 73,935,000**

This project, currently under construction, will provide 77,500 asf of instructional, research, office, and support space to house the Department of Viticulture and Enology and the Department of Food Science in a new collaborative Institute. The new facilities will replace obsolete 50 year-old teaching and research space in Wickson and Cruess Halls. The project is funded from State funds (\$36,809,000), gift funds (\$26,000,000), debt financing (\$9,326,000), and campus non-State funds (\$1,800,000). Completion is anticipated in 2007-08.

**Hunt Hall Renovation** **\$ 7,175,000**

This project, currently under construction, involves renovations in Hunt Hall to space vacated with the completion of the Plant and Environmental Sciences Building. The existing wet laboratories are obsolete and not suitable for modern teaching and research programs. This project will provide renovations to 18,073 asf to accommodate campus studio, computer, dry laboratory, office, and support functions. Academic programs that will benefit from the renovated space include Landscape Architecture and Atmospheric Science. The project is funded from campus non-State funds (\$6,275,000) and debt financing (\$900,000). Completion is anticipated in 2008-09.

**California National Primate Research Center**

**Virology and Immunology Laboratory Building** **\$ 5,662,000**

This project, currently under design, involves a new, 4,022 asf wet laboratory research facility which will consolidate the Virology and Immunology Unit. The project provides appropriate containment for BSL2 and BSL3 technologies for working with infectious disease. The project is funded from Federal funds (\$3,800,000) and campus non-State funds (\$1,862,000). Completion is anticipated in 2009-10.

**Graduate School of Management and Conference Center** **\$ 34,500,000**

This project, currently under design, involves a new 55,700 asf facility with offices, classrooms and computer labs, student support, meeting rooms, a restaurant, and support space. The project will relieve overcrowding and provide a modern facility for the Graduate School of Management, construct a center to host conferences, and allow University Relations programs to relocate on campus from off-campus leased space. The project is funded from debt financing (\$31,500,000) and gifts (\$3,000,000). Completion is anticipated in 2009-10.

**King Hall Renovation and Expansion** **\$ 21,849,000**

This project, currently in working drawings, involves renovation of 15,370 asf and will provide an additional 17,560 asf of new space. Space assigned to the UC Davis School of Law is among the lowest in the country on an assignable square footage per FTE student basis. In order to address these deficiencies, the project will include new teaching space, faculty offices, student study and interaction space, and renovations to the library. The project is funded from State funds (\$17,925,000) and gift funds (\$3,924,000). Completion is anticipated in 2009-10.

**Tupper Hall 2nd Floor Laboratory Remodel** **\$ 6,124,000**

This project, currently in working drawings, involves renovation of 12,591 asf of existing classrooms, lecture room, laboratory support, and office space into new open shared laboratory space, individual multi-function lab support space, shared heavy equipment space, and academic and administrative office space for the Department of Pharmacology. The project is funded from campus non-State funds. Completion is anticipated in 2009-10.

**Physical Sciences Expansion** **\$ 65,483,000**

This project, currently under construction, will provide 53,629 asf of new instruction and research facilities for physical science programs to support enrollment growth and to replace obsolete and inadequate teaching and research laboratories for the Departments of Geology, Chemistry, and Physics. The project will include instructional laboratories and research laboratories and related service space, and academic and departmental office and support facilities. The new facilities will release existing program space to meet the needs of the Department of Physics. The project is funded from campus non-State funds (\$1,206,000), debt financing (\$15,762,000), and State funds (\$48,515,000). Completion is anticipated in 2009-10.

**Cruess Hall Renovations** **\$ 10,000,000**

This project will renovate 42,000 asf of space in Cruess Hall, providing replacement and expansion space for the Environmental Design and Art programs. The project will be funded from debt financing. Completion is expected in 2010-11.

**Viticulture and Enology Research and Teaching Winery, and  
Anheuser Busch Brewing and Food Science Laboratory** **\$ 16,000,000**

This new facility of 29,700 asf will provide ancillary support to the Robert Mondavi Institute for Wine and Food Science Academic Building. This project will consist of a teaching and research winery and related support facilities. The Brewing and Food Science Laboratory will provide flexible space for large-scale process studies and demonstration laboratories. The project will be funded from gift funds. Completion is expected in 2010-11.

**Engineering 4** **\$ 50,000,000**

This project will provide approximately 47,000 asf of new teaching and research facilities for the College of Engineering, including space for the Department of Chemical Engineering and Materials Science, the Environmental Engineering Program, and a portion of the research activities of the Department of Electrical and Computer Engineering. The additional space provided by the project will allow the campus to address safety issues and to provide staging space for laboratory remodeling projects in Briggs and Chemistry. The project will be funded from debt financing. Completion is expected in 2011-12.

**Seismic Corrections Thurman Laboratory** **\$ 687,000**

See the 2008-2009 Budget for State Capital Improvements for details.

**Music Instruction and Recital Building** **\$ 15,928,000**

The Music Building project will provide modern music recital space advancing the campus commitment to the fine arts. The approximately 10,100 asf project will include a recital hall facility, recital hall support space, and instructional and administrative space for the Department of Music. Music department facilities are currently inadequate to support existing instruction and research needs. The project will be funded from State funds and campus non-State funds. Completion is anticipated in 2010-11.

**Briggs Hall Safety Improvements and Building Renewal** **\$ 28,770,000**

The Briggs Hall Facility has significant fire, life safety, and renewal issues that require upgrade. Improvements will bring this building into compliance with health and safety code requirements. The project will be funded from campus non-State funds and State funds. Completion is expected in 2013-14.

**Haring Hall Renovations** **\$ 23,610,000**

See the 2008-2009 Budget for State Capital Improvements for details.

**Chemistry Building Renovations** **\$ 37,710,000**

See the 2008-2009 Budget for State Capital Improvements for details.

<b>Campus Approved E &amp; G Projects under \$5 Million</b>	<b>2007-08</b>	<b>\$ 5,000,000</b>
	<b>2008-09</b>	<b>\$ 5,000,000</b>
	<b>2009-10</b>	<b>\$ 5,000,000</b>
	<b>2010-11</b>	<b>\$ 5,000,000</b>
	<b>2011-12</b>	<b>\$ 5,000,000</b>

**EDUCATION and GENERAL – HEALTH SCIENCES**

**Research Building II Remodel** **\$ 8,945,000**

This project, currently in working drawings, involves renovation of 22,213 asf for the Vascular Research Program within Research Building II at the UCD Medical Center. The renovations will consist of the lab areas on the second and third floors and portions of the first floor and basement. The project is funded from the School of Medicine funds. Completion is anticipated in 2008-09.

**Telemedicine Resource Center and Rural-PRIME Facility** **\$ 36,000,000**

This project, currently under design, will provide approximately 25,700 asf of space in a three-story facility adjacent to the new Education Building at the UC Davis Medical Center. The project will expand and co-locate various programs such as the Center for Health and Technology, the Telemedicine Learning Center, and the Virtual Care Simulation Center. It will provide a lecture hall and classrooms in support of the UC Davis School of Medicine (PRIME, rural physician), telemedicine, clinical outpatient telemedicine, and distance learning programs. The project is funded from State funds (\$35,000,000), campus non-State funds (\$500,000), and hospital reserves (\$500,000). Completion is anticipated in 2009-10.

**Veterinary Medicine 3B** **\$ 93,771,000**

This project, currently in working drawings, will continue the phased program of new construction and renovation planned to provide modern, state-of-the-art facilities needed to sustain the vitality of the School of Veterinary Medicine's teaching, research, and service programs. This project of 76,431 asf will provide replacement research laboratories, laboratory support, and office space for 62 FTE faculty. The project is funded from State funds (\$72,588,000) and gift funds (\$21,183,000). Completion is anticipated in 2010-11.

**Animal Resource Services J-1 Renovation, Phase 2** **\$ 3,800,000**

Building J-1 (animal space) currently has biosafety laboratory and support space that needs to be upgraded to meet containment standards associated with influenza and other high-containment research protocols. The upgraded facility of 3,000 asf will allow the campus to compete for research grants where existing facilities cannot accommodate the containment requirements. The project will be funded from debt financing and campus non-State funds. Completion is expected in 2009-10.

**South Valley Animal Health Laboratory** **\$ 45,000,000**

This project will provide space to consolidate the Tulare Animal Health Laboratory with portions of the Fresno laboratory and eliminate existing obsolete and infrastructure-deficient laboratories. The new 22,000 asf facility will add diagnostic testing, molecular biology and virology services to The California Department of Food and Agriculture Laboratory System's existing programs. The building will be located on University of California property at the UC Davis School of Veterinary Medicine's Veterinary Medical Teaching and Research Center in Tulare. The new building will consist of technical laboratories, shared laboratory support services, office/conference room space, and common areas. The project will be funded from State funds. Completion is expected in 2009-10.

**Stockton Boulevard Research Center** **\$ 45,000,000**

The Stockton Boulevard Research Center at the UCD Medical Center will be constructed in phases, totaling 48,881 asf. The first phase, totaling 25,787 asf of space, will include a Specific Pathogen Free Barrier vivarium, research support space, a Good Manufacturing Practice (GMP) laboratory, a GMP testing laboratory and administrative space. The second phase, totaling 8,019 asf, will provide open wet laboratory space, laboratory support space, and research support space, academic and administrative space. The final phase, totaling 15,075 asf, includes open wet laboratory space, laboratory support space, core laboratory support space, research support space and academic and administrative space. The project will be funded from gift funds and reserves (School of Medicine funds). The campus will seek grant funding from The California Institute of Regenerative Medicine. Completion of the first phase is expected in 2009-10 with the second and final phases anticipated for completion in 2010-11.

**Telemedicine-PRIME, Phase 2** **\$ 1,250,000**

See the 2008-2009 Budget for State Capital Improvements for details.

**Research IV** **\$ 32,600,000**

This project will consist of a new medical research building of 36,000 asf containing a combination of flexible laboratory space, including wet and dry procedure bench laboratories, and office and administrative support space. It is anticipated that the building will be three or four stories in height, located at the UCD Medical Center. The project will be funded from hospital reserves and gift funds. Completion is expected in 2011-12.

<b>Campus Approved Health Science Projects under \$5 Million</b>	<b>2007-08</b>	<b>\$ 5,000,000</b>
	<b>2008-09</b>	<b>\$ 5,000,000</b>
	<b>2009-10</b>	<b>\$ 5,000,000</b>
	<b>2010-11</b>	<b>\$ 5,000,000</b>
	<b>2011-12</b>	<b>\$ 5,000,000</b>

**INFRASTRUCTURE DEVELOPMENT**

**Electrical Improvements Phase 3** **\$ 12,204,000**

This project, currently under construction, will provide a new 30 mVA substation in the west campus area that will serve the Health Sciences District as well as the central and west portions of the campus. The campus is critically dependent on its electrical utility network to support expansion of instruction and research activities. The project includes the service feed from the point of connection and the distribution system from the new substation to the Health Sciences District switchgear. The project is funded from State funds (\$10,166,000) and campus non-State funds (\$2,038,000). Completion is anticipated in 2007-08.

**Central Plant Chiller Renewal and Energy Improvements** **\$ 7,837,000**

This project, currently under construction, will replace three obsolete gas-fired chillers in the Davis Campus Central Heating and Cooling Plant with two 2,000-ton electric chillers. By replacing these inefficient and aging chillers, the campus would reduce the risk of a major system failure, restore its chilled water generating capacity, and gain long term savings in its purchased utilities budget. The project is funded from debt financing. Completion is anticipated in 2007-08.

**Relocating Agricultural Research** **\$ 897,000**

This project, currently under construction, relocates Agricultural Research Uses from the site where West Village will be developed. New research fields, including irrigation systems and security fencing, are being developed for the Department of Plant Sciences in the campus C-tract area to replace those displaced by West Village. The linear move irrigation system for the Department of Biological and Agricultural Engineering (BAE) is being moved from the West Village site. A new pole barn for BAE equipment storage will be shared with Department of Land, Air and Water Resources. These projects are necessary to clear the site for the West Village project. The project is funded from debt financing. Completion is anticipated in 2007-08.

**Stockton Boulevard Utilities and Site Infrastructure** **\$ 5,385,000**

This project, currently under construction, will provide a stand-alone utility building upgrade underground utilities and site infrastructure to support the Stockton Boulevard Research Center (SBRC) in Sacramento. The building will house both mechanical and electrical equipment to service the SBRC. Upgrades to water, gas lines, sanitary sewer and site drainage will be done. The project is funded from hospital reserves. Completion is anticipated in 2007-08.

**Central Plant Chiller and Cooling Tower Renewal** **\$ 7,749,000**

This project, currently under construction, involves replacement of three inefficient steam-powered chillers and an obsolete cooling tower at the Central Heating and Cooling Plant with a new electric chiller and cooling tower. The capacity of the new equipment will equal approximately the capacity of the replaced equipment. By replacing the cooling tower, the campus will reduce the risk of a failure in the chilled water system, restore its chilled water generating capacity, and gain long-term savings in its purchased utilities budget. The project is funded from debt financing. Completion is anticipated in 2008-09.

**South Entry Utilities Phase 1** **\$ 8,028,000**

This project, currently under construction, will upgrade and extend utilities to serve the newly developed South Entry District and improve the campus steam and chilled water distribution system servicing other parts of the campus. The project is funded from debt financing (\$7,535,000) and campus non-State funds (\$493,000). Completion is anticipated in 2008-09.

**Campus Wastewater Treatment Plant Expansion Phase 1** **\$ 7,166,000**

This project is currently under construction. The Davis Campus manages its own Wastewater Treatment Plant, unlike other campuses that discharge wastewater to city, county or regional facilities. The plant treats all the sanitary sewer effluent from the campus and has a current permitted capacity of 2.5 million gallons per day. This project includes expansion of the modular screening system, an ultraviolet disinfection channel, additional clarifiers, pumps, drying beds, and system improvements to optimize efficiency, reliability, and safety. The project also includes the addition of necessary supporting infrastructure. The project is funded from State funds (\$3,543,000), campus non-State funds (\$1,023,000), and debt financing (\$2,600,000). Completion is anticipated in 2007-08.

**Steam Expansion Phase 1** **\$ 14,247,000**

This project, currently under construction, will expand the UC Davis steam capacity to meet peak system demands in a reliable fashion. The operation of the campus is critically dependent on this system, and one additional boiler will increase capacity and reliability. The project is funded from State funds (\$10,483,000) and campus non-State funds (\$3,764,000). Completion is anticipated in 2008-09.

**Electrical Improvements Phase 4** **\$ 4,335,000**

See the 2007-2008 Budget for State Capital Improvements for details.

**Chilled Water System Improvements Phase 7** **\$ 21,549,000**

See the 2008-2009 Budget for State Capital Improvements for details.

**Electrical Improvements Phase 5** **\$ 6,355,000**

See the 2008-2009 Budget for State Capital Improvements for details.

**Campus Wastewater Treatment Expansion Phase 2** **\$ 12,710,000**

See the 2008-2009 Budget for State Capital Improvements for details.

<b>Campus Approved Infrastructure Projects under \$5 Million</b>	<b>2007-08</b>	<b>\$ 4,000,000</b>
	<b>2008-09</b>	<b>\$ 4,000,000</b>
	<b>2009-10</b>	<b>\$ 4,000,000</b>
	<b>2010-11</b>	<b>\$ 4,000,000</b>
	<b>2011-12</b>	<b>\$ 4,000,000</b>

**AUXILIARY ENTERPRISES and FEE-SUPPORTED FACILITIES**

**Student Housing/Dining**

**Hotel** **3rd Party**

The ground lease for this project is currently being developed. The project involves construction of a 75 guest room hotel, located adjacent to the conference center, near the current Alumni and Visitor Center. Completion is anticipated in 2008-09.

**West Village Backbone Infrastructure** **\$ 14,594,000**

This project, currently under design, supports the development of West Village, the new faculty, staff, and student housing development. This large-scale infrastructure project will provide necessary utility extensions from the campus to serve the site. The project will include domestic water, wastewater, storm drainage detention and conveyance, and roadways. All systems will be stubbed to a point of connection at the edge of the site, where subsequent development will connect. The project is funded from debt financing. Completion is anticipated in 2008-09.

**Coffee House Renovation** **\$ 9,276,000**

This project, currently under design, will provide 23,224 asf to support enhanced and expanded food service in the Memorial Union area. The project will enlarge and develop serving areas with an emphasis on speed of service and will expand seating space by up to 5,000 square feet on the first floor. It will provide approximately 3,000 square feet of additional kitchen space, including wider aisle spacing for improved work flow. The project will significantly improve customer traffic flow. The project is funded from debt financing (\$6,790,000) and reserves (\$2,486,000). Completion is anticipated in 2009-10.

**Oxford Circle Dining Commons** **\$ 7,000,000**

This project will renovate 13,229 asf of dining space to serve students housed in the Cuarto residential area. It will convert a cafeteria style service to specialty food stations, requiring demolition of the existing service areas. Renovations to the kitchen are also anticipated. The project will be funded from housing reserves. Completion is expected in 2009-10.

**Tercero South Student Housing, Phase 2** **\$ 53,000,000**

This project will provide 600 beds of additional on-campus freshman housing to replace existing university-owned housing in the community and to continue to provide for enrollment growth. The project will be funded from housing reserves and debt financing. Completion is expected in 2010-11.

**West Village Phase 1**

**3rd Party**

A new neighborhood will be constructed to provide student, staff, and faculty housing. The West Village site is located on University-owned land on the West Campus bordered by Russell Boulevard to the north, SR 113 to the east, and Hutchison Drive to the south, as delineated in the 2003 LRDP. This adjacency to both the campus and the City of Davis provides for links between home, work, and school. Phase 1 of the project will provide for a total of 807 units (312 housing units for Faculty and Staff and 1,980 beds for Student housing). At full buildout, the West Village will provide up to 500 faculty and staff housing units and a total of 3,000 beds of student housing. Additionally, the West Village will provide open space, recreational fields, a community education center that includes the Davis Center of the Los Rios Community College District and a satellite high school. Transportation corridors that provide for pedestrian, bus, auto, and bike uses will also be included. Completion is expected in 2010-11.

**Segundo Services Center**

**\$ 17,000,000**

This 26,000 asf project will expand existing common use functions for Segundo housing residents and update facilities that serve the entire student housing community. The Segundo Services Center will house an Academic Advising Center, a computer center, a TV/Video editing center, a centralized mail room for 1,600 residents, offices, conference rooms, and a convenience store. It also will contain offices for the food service contractor and a housing maintenance and repair shop. The project will be funded from housing reserves. Completion is expected in 2011-12.

**Student Activities, Recreation, Athletics**

**Student Resource Center**

**\$ 15,250,000**

A 2002 student referendum approved a fee increase that will provide repayment of debt service for new student program space on the campus. This project will provide 16,000 asf for a variety of student programs, including the Cross Cultural Center, the Ethnic Studies Student Affairs Officers, and the Lesbian, Gay, Bisexual and Transgender Center. Additionally, space for meeting rooms, copy/storage, and a lounge will be provided. The project will be funded from debt financing, gift funds, and reserves. Completion is expected in 2009-10.

**Student Health Center**

**Health and Wellness Center**

**\$ 50,300,000**

This project, currently under design, will provide a 42,000 asf replacement facility for the currently inadequate Cowell Student Health Center. The existing facility was constructed several decades ago and is inadequate to house student health programs. In 2004, students approved a referendum to impose a fee for the construction and operation of the expanded facility. The new facility will contain offices, examination rooms, a pharmacy, radiological services, a diagnostic laboratory, and student counseling services. The project is funded from debt financing (\$44,000,000) and student fee reserves (\$6,300,000). Completion is anticipated in 2009-10.

<b>Campus Approved Auxiliary Projects under \$5 Million</b>	<b>2007-08</b>	<b>\$ 2,000,000</b>
	<b>2008-09</b>	<b>\$ 2,000,000</b>
	<b>2009-10</b>	<b>\$ 2,000,000</b>
	<b>2010-11</b>	<b>\$ 2,000,000</b>
	<b>2011-12</b>	<b>\$ 2,000,000</b>

## MEDICAL CENTER

### **SB 1953 Compliance: Surgery and Emergency Services Pavilion** **\$ 424,475,000**

This project is currently under construction. The campus developed a long range facilities improvement master plan for the Medical Center at the UC Davis Sacramento Campus that includes a series of projects to ensure that all facilities comply with the 2008 seismic safety requirements of SB 1953. The Pavilion project involves the construction of 231,383 asf of new space to replace acute care functions now located in the North-South Wing, including the emergency department and cardiology services, and to replace existing surgery rooms now located in the East Wing and University Tower. The project includes an emergency room with 53 treatment stations, a cardiac cathertization department, specialized radiology facilities, an inpatient surgery suite with 24 operating rooms, the addition of 20 new intensive care beds, replacement space for several clinical and administrative units, and a new pharmacy to support clinical functions within the building. The project is funded from State lease revenue bonds (\$102,590,000), hospital reserves (\$256,885,000) and debt financing, (\$65,000,000). Completion is anticipated in 2008-09.

### **Same Day Surgery Center** **\$ 9,335,000**

This project, currently under construction, will provide 8,534 asf for a new free-standing outpatient surgery center. It includes four operating suites, 12 recovery beds, a procedure room and other ancillary and administrative support spaces. Outpatient surgical procedures for Ophthalmology and Ear, Nose and Throat, currently being done in the inpatient operating suites, will be relocated to this center. The Surgery Center is sited on the corner of 2<sup>nd</sup> Avenue and 49<sup>th</sup> Street, adjacent to the Ellison Ambulatory Care Center. The project is funded from hospital reserves. Completion is anticipated in 2007-08.

### **Cancer Center Expansion** **\$ 35,400,000**

This project, currently under construction, will provide patient care, teaching, and research space required to maintain and support the Cancer Center Program. National Cancer Center designation has increased the demand for services and generated the need for additional space to support research subjects who participate in the rapidly expanding drug and clinical trials programs. This project of approximately 30,315 asf will increase the number of exam rooms and infusion treatment stations, add administrative support space, and provide a new special-procedure suite. The building is sited on the corner of X and 45<sup>th</sup> Streets and will be connected to the existing cancer center. The project is funded from hospital reserves (\$10,000,000) and gift funds (\$25,400,000). Completion is anticipated in 2009-10.

### **Tower II, Phase 4 – Replacement Trauma Beds** **\$ 18,895,000**

This project, currently under construction, is the next to last phase of the Tower II completion projects. This project involves the buildout of the shelled 11<sup>th</sup> floor in the Davis Tower. The Trauma Nursing Unit, now housed in a 19 year-old temporary modular structure behind the hospital, will be relocated to the 11<sup>th</sup> floor (14,520 asf). This includes an additional 36 inpatient beds, public and support areas. The project is funded from hospital reserves. Completion is anticipated in 2008-09.

**UCDMC Central Plant Utilities Extension** **\$ 11,057,000**

This project, currently under construction, involves extending the primary distribution lines for hot and chilled water and normal and emergency power service from the Central Energy Plant to the Stockton Boulevard Research Center at the Medical Center on the UC Davis Sacramento Campus. This includes installation of communications conduit to support the Research Center and additional new facilities that will be sited in the Medical Center's southern zone. All piping will be direct buried with tie-ins and valves to accommodate future utility connections for structures planned in this area. The project is funded from hospital reserves. Completion is anticipated in 2008-09.

**Tower II, Phase 5** **\$ 31,399,000**

This project will build-out the last shelled floor (10<sup>th</sup>) in Tower II to provide 24 additional pediatric intensive care beds in 14,000 asf. The project includes patient care space, public areas, core support space and staff support. The project will be funded from gift funds and State funds (Proposition 61 funds). Completion is expected in 2011-12.

**Parking Structure III** **3rd Party**

This project will provide a four-level parking structure with approximately 1,500 parking stalls. This project is necessary to ease current and projected shortages of patient and visitor parking resulting from expanded academic and clinical programs. The structure will be sited east of the main hospital. Completion is expected in 2011-12.

<b>Campus Approved Medical Center Projects under \$5 Million</b>	<b>2007-08</b>	<b>\$ 11,100,000</b>
	<b>2008-09</b>	<b>\$ 10,000,000</b>
	<b>2009-10</b>	<b>\$ 6,300,000</b>
	<b>2010-11</b>	<b>\$ 10,400,000</b>
	<b>2011-12</b>	<b>\$ 8,000,000</b>