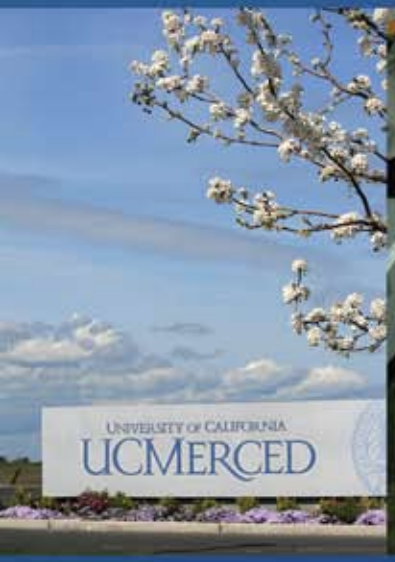
UC Merced

2008-18 Capital Financial Plan



May 2009

WE WELCOME YOUR COMMENTS

Capital Planning and Space Management
University of California, Merced
P.O. Box 2039
Merced, CA 95344

http://administration.ucmerced.edu/

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I. Overview

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The UC Merced Capital Financial Plan, 2008-18 describes a capital program that is essential to building the critical core of a new campus, its relationship to the academic mission and strategic priorities, and the financing strategies that will be used to implement the plan. Moreover, it is consistent with the Physical Design Framework and the Long Range Development Plan. This ten-year capital plan provides a framework for the campus to design and build new, energy-efficient facilities, renew existing aged (leased) buildings and infrastructure and satisfy utility needs in an increasingly sustainable manner.

- With an estimated total value of $1.36 billion, this capital improvement program is expected to be funded with a combination of non-State resources totaling $564.4 million (42%) and State resources totaling $794.2 million (58%).

- Non-State resources include $514.8 million (91.4% of total plan) of external financing, $35.3 million (6.3%) of anticipated gift and grant funds, and $13.3 million (2.3%) of campus discretionary funds.

- The capital improvement program reflects an estimated need for $514.8 million of external financing, including $106.9 million (21%) education and general, $252.7 million (49%) for housing, $17.2 million (3%) for parking, $49.0 million (10%) for infrastructure, and $89.1 million (17%) for student fee funded facilities.

- Broken down by function, $713 million (53%) is expected to be spent on instruction and research, $252.7 million (19%) for housing, $189.2 million (14%) for infrastructure, $17.2 (1%) for parking, $101.4 million (7%) for student fee funded and the remainder of $85.2 million (6%) for various types of facilities; e.g., Administration and Alumni/Visitors Center.

- Broken down by improvement type, $1.13 billion (84%) is expected to be spent on new facilities, $32.9 million (2%) on building renovations, and $189.2 million (14%) on infrastructure renewal or development projects.

The campus' ten-year plan was developed based on a number of funding assumptions. The capital needs are based on the approved Long Range Enrollment Plan for UC Merced, which estimates a total enrollment of 9,594 FTE at the end of the ten year period.

For the five-year period 2008-2013, the Merced campus has assumed a total State-support of approximately $385 million, or $77 million per year. For the ten-year period 2008-2018, the Merced campus has assumed a total State support of approximately $749 billion, or $75 million per year, which is necessary to support the campus Long Range Enrollment Plan.

This assumes sufficient UC Office of the President flexibility regarding the annual State funding targets assigned to each of the ten UC campuses to support UC Merced's unique capital needs as a start-up campus.

The feasibility of external financing was based on existing system-accepted business models for auxiliaries (self-supporting programs and facilities, such as housing and parking), education and general debt (for core instruction, research and support space), and plant operations (such as the energy savings program). Federal funds would represent anticipated or actual successful grant awards; The ten-year capital plan does not include assumptions of possible federal funding available and the capital projects shown in the ten-year capital plan will advance when gift funds are identified. Campus discretionary funds comprise the remaining non-State fund sources and are used as necessary to support appropriate projects.

UC MERCED, 2007

II. Context

As the newest member of the UC system, UC Merced has a responsibility to extend and enhance the University of California's legacy of academic excellence. UC Merced is developing the nation's first 21st century research university educational experience, one that is uniquely tailored to the needs, aspirations and backgrounds of a diverse student body. Backed by the rich, 140-year heritage of the world's preeminent public university system, the University of California, Merced has the opportunity to replicate the system's renowned standards of excellence in research and education to create a student-centered research university that will:

- Provide interdisciplinary solutions to society's most pressing problems through its research and education programs.
- Engage in and commit to the success of students through excellent educational offerings that provide the basis for critical analysis and life-long learning.
- Build on the diversity of the San Joaquin Valley and the campus community to provide critical linkages to the global community that will provide the workplace for our graduates.
- Develop cutting-edge professional schools that meet the research and educational needs of the state and the region.
- Create a robust relationship with the region to promote economic development and to engage the university in the community.
- Incorporate environmental, economic and social sustainability throughout teaching, research and public service programs, as well as in the development and ongoing operations of the campus.

A. Academic and Strategic Priorities

1. Academic Vision

A draft Strategic Academic Plan (SAP) is currently under review by UC Merced faculty. In its current form, it identifies five research themes that would provide focus and context for the university's research initiatives and establish the foundation upon which its institutes, centers and professional schools can be built. According to the draft SAP, these themes are:

Environmental Sustainability

The goal would be to build an integrated research and educational program on ecological systems, energy, water, and other natural resources, climate change, and security threats associated with global change that will help build a sustainable environment.

Human Health

The goal would be to develop a strong health and wellness focus that permeates campus life through research, education and outreach at the undergraduate, graduate and professional school levels.

Cognitive and Information Sciences and Management

The goal would be to build internationally renowned, multidisciplinary expertise in the cognitive and information sciences and management that leverages UC Merced's expertise in the natural and applied sciences, humanities and arts.

World Heritage

The goal would be to develop a comprehensive inter- and cross-disciplinary program that interprets, explains, protects and advances understanding of both tangible and intangible world heritage.

Social Sustainability and Justice

The goal would be to catalyze the continued evolution of a local, state and national culture valuing secondary and university levels of educational attainment for historically underserved populations to provide the basis for establishing and maintaining an equitable multicultural society that celebrates the diverse contributions of the world's ethnic and cultural groups.

2. Academic Organization

With the opening of the 10th campus of the University of California in Merced, the lens of knowledge creation has been focused on the San Joaquin Valley, an area of California that has had chronically low educational attainment, low college-going rates and a paltry investment in basic research and development that has stymied economic growth and diversification. As UC Merced grows in size and stature it will serve as a catalyst for the increased educational attainment needed to bolster economic and community development, in a region of the state that will have an ever-increasing impact on the future of California and the world.

UC Merced's three schools - Social Sciences, Humanities, and Arts; Engineering; and Natural Sciences offer both undergraduate and graduate degree programs. New faculty members have been drawn from all over the world and are helping the campus offer more fields of study. As of fall 2009, students can choose from 18 majors. Emphasis tracks within the majors allow students to delve deeper into areas such as air pollution, hydrology, or molecular biology.

The distinctive mark on research at UC Merced has begun in its signature organizations, the Sierra Nevada Research Institute, the Energy Center, and the Biological Systems Institute. Topics currently under study include hydrology, and solar power technologies. As with the academic programs, UC Merced's research institutes will foster collaboration across disciplinary areas — the relationship between environmental science and environmental policy is an obvious example. Partnerships with other UC campuses and with entities such as Lawrence Livermore National Laboratory, Sequoia and Kings Canyon National Parks, and Yosemite National Park enhance education and research at UC Merced.

3. Academic Affairs

Program Development: Collaboration Across Strong Disciplines

Cutting-edge discovery takes place in many contexts, from teams of specialists collaborating across disciplines (multidisciplinary), to individuals working at the intersections of traditional disciplines (interdisciplinary), to specialists working at the core of traditional disciplines, to reinterpretations of the disciplines themselves. The UC Merced faculty is committed to nurturing institutions and an academic culture that foster interdisciplinary and multidisciplinary research and education. This commitment recognizes that some of the greatest challenges confronting our civilization, as well as some of the greatest intellectual opportunities of our time, require interdisciplinary or multidisciplinary approaches.

Interdisciplinary approaches also require a strong foundation in the core areas and methodologies that are common to academic inquiry in all major research universities. UC Merced must build strength in these core disciplinary areas and methods, which form the foundation of undergraduate education in the arts and humanities, natural sciences and social sciences. They also support research and graduate education in all fields, including engineering, and provide the technical and conceptual "tool box" that can be adapted readily to societal needs and research themes that we cannot foresee now. Strength in these basic disciplines is essential if UC Merced is to fulfill its mission as an excellent, comprehensive research university.

UC Merced's current faculty believe it is essential for the following core disciplines to be present and nurtured at UC Merced in 20 years.

Basic Sciences

- Biochemistry, Biophysics, and Structural Biology
- Cell and Developmental Biology
- Ecology and Evolutionary Biology
- Public Health
- Genetics and Genomics
- Immunology and Infectious Disease
- Biology/Integrated Biology/ Integrated Biomedical Sciences
- Applied Mathematics
- Chemistry
- Computer Sciences
- Earth Sciences
- Mathematics
- Physics

Engineering

- Biomedical Engineering and Bioengineering
- Chemical Engineering
- Civil and Environmental Engineering
- Computer Engineering
- Electrical and Computer Engineering
- Materials Science and Engineering
- Mechanical Engineering
- Nanoscience and Nanotechnology

Social Sciences and Humanities

- Anthropology
- Economics
- Political Science
- Psychology
- Sociology
- American Studies
- Comparative Literature
- English Language and Literature
- Spanish and Portuguese Language and Literature
- History
- History of Art, Architecture and Archaeology
- Music
- Philosophy
- Religious Studies

To realize the university's vision for graduate and professional education over the next 20 years, programs must be defined today that clearly reflect current and projected societal needs and include a strong rationale for UC Merced's involvement. The research themes provide context and focus for the university's research initiatives and establish the foundation upon which its institutes, centers and professional schools can be built. These themes have the breadth and interdisciplinary character to link major segments of the campus, bringing visibility and distinction to the university, its faculty and students while providing benefits to California and the world. The further maturation of these themes in the coming decades will be of great importance to the world community.

B. Proposed Campus Development

1. Projected Enrollment and Campus Population

In 2007-08, UC Merced's full-time equivalency (FTE) headcount enrollment was 2,009 students, including graduate students. The 2009 LRDP sets a framework to accommodate increases in UC Merced enrollment as projected by the UC Office of the President. UC Merced has developed an FTE projection of 9,594 students through 2018-19.

While the academic strategic plan sets an enrollment target of 10,000 students by 2020, as a long-range planning document the 2009 LRDP also considers a full development scenario for 25,000 students. This planning horizon is flexible enough to extend the plan's usefulness to the University, the State, and the local community in the event that public policy or other factors dictate increased student access to the University of California or additional capacity to conduct research beyond the horizon year established in current enrollment plans.

2. Academic Space Projections

At its opening, UC Merced was conceived as a campus that would blend excellent graduate and undergraduate education and research. The campus is currently building top-tier programs in Natural Sciences; Engineering; and Social Sciences, Humanities and the Arts. The 2009 Long Range Development Plan recognizes innovative research takes place in contexts that require different physical forms, from teams of specialists collaborating across disciplines, to individuals working at the intersections of traditional disciplines, to specialists working at the core of traditional disciplines, to reinterpretations of the disciplines themselves.

Space projections provide the long-range context for the development of the UC Merced campus, and serve as a basis for determining land utilization, circulation, parking, facility site selection and density, and other related campus planning parameters. The four phase academic space projections developed for the 2009 LRDP reflect needs related to future enrollment levels and the programmatic requirements of individual academic units.

Enrollment by Campus Phase of Development in Million Square Feet (MSF)

	Phase 1.0	Phase 2.0	Phase 3.0	Phase 4.0
Enrollment	5,000	10,000	20,000	25,000
Academic Square Footage MSF	1.25 MSF	2.5 MSF	5.0 MSF	6.25 MSF
Student Beds	2,500	5,000	10,000	12,500

3. Housing Projections

UC Merced's goal is to house 50% of the student population on campus. This includes the campus goal to offer a two-year housing guarantee to incoming undergraduate freshmen and transfer students. Currently, 1,006 existing student beds are on the UC Merced campus.

In order to meet its 50% goal, the campus must provide 5,000 beds by the time it reaches 10,000 students and 12,500 beds by full development. Given that the campus serves an ethnically diverse set of students from a cross section of communities (rural, urban, suburban) and a range of ages, levels of independence and life stages, the 2009 LRDP provides a mix of housing forms for students and a variety of social, recreational, and dining locations. The 2009 LRDP does not include faculty or staff housing on campus. Faculty and staff housing would be located in a privately-developed University Community adjacent to the campus.

Student Housing 3 is currently under construction near the campus entrance.

4. Planning Principles

To date, development of the UC Merced campus has proceeded in a manner consistent with the 2002 LRDP which presumed a 910 acre campus with 340 acre development reserve. By virtue of its revised 815 acre boundary, the 2009 LRDP is a much more dense and compact plan. The 2009 LRDP is guided by a set of interrelated principles that support UC Merced's academic mission while balancing social, environmental and economic priorities. These guiding principles are consistent with those embodied in the 2002 LRDP.

5. Sustainability

UC Merced has been a leader in sustainable planning and environmental design. As it grows, the campus is committed to teaching skills to advance social, economic and ecological sustainability, and to educate the world's thought leaders in sustainability.

With every permanent building on campus eligible for LEED certification, both the 2009 LRDP and Physical Design Framework continues the commitment to plan, design, build and operate the campus at ever-increasing levels of sustainability. The 2009 LRDP has set a LEED Gold Standard for all future campus buildings.

The LRDP establishes goals and policies that mandate the use of broad-based, innovative sustainable techniques in facility and infrastructure design and construction. It includes integration with the research initiatives and innovations that are part of the overall campus research program, particularly in the area of solar power and building energy management systems. Finally, the LRDP establishes goals and policies for operational systems to support the ongoing practice of sustainability in campus life.

The LRDP also establishes sustainability goals for the campus, most notably the "Triple Zero Committment":

1. **To consume zero net energy**

   UC Merced's goal is to reach zero net energy through efficiency and renewable energy production.

2. **To produce zero landfill waste.**

   UC Merced's goal is to divert from landfill all campus waste by reducing excess consumption and recycling to the maximum extent feasible.

3. **To produce zero net carbon emissions**

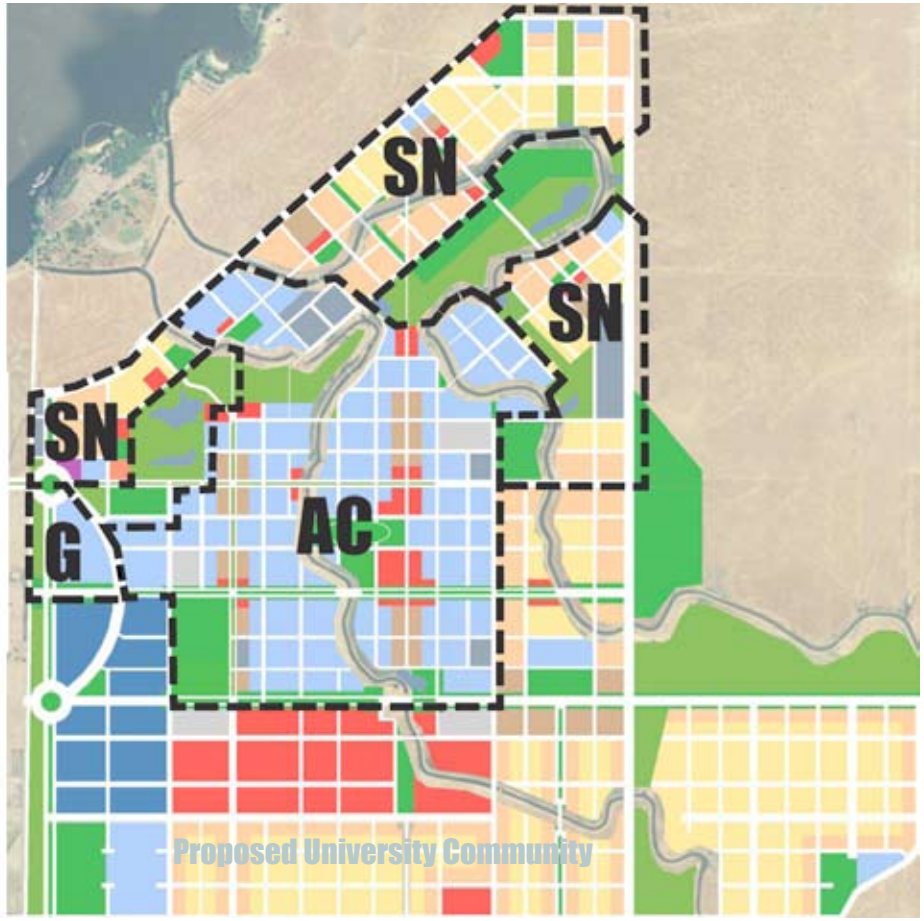
   UC Merced's goal is to prevent as much carbon emissions as it produces.

6. Overall Plan Concept

The campus' acreage includes two pre-existing agricultural irrigation canals and a large topographical depression known as the North and South Bowls. The 2009 LRDP land use framework includes three "communities of interest" within this context.

The primary community of interest is the 200 acre Academic Core, the center of teaching and research on campus. This district also includes student housing along two linear "Main Streets," student services, parking, recreation and open space activities. The Academic core includes three main areas: North Campus, Central Campus West and Central Campus East.

Four student residential neighborhoods (the Lake View, Sierra View, Valley View and North Neighborhoods) wrap the Academic Core on 225 acres and provide walkable access to the heart of the campus. They include residence halls and apartments supported by student services, dining, recreation, parks, open space, and parking. The campus neighborhoods are designed to facilitate the face-to-face component of community development. Integrated technology networks are embedded into neighborhood and facility design in order to facilitate the electronic component of community development.



The LRDP calls for three "communities of interest" within campus boundaries. A central Academic Core (AC) wrapped by student neighborhoods on the perimeter (SN), and a Gateway District (G) for academic research related development.

Housing Element

The 2009 LRDP plans to accommodate on campus 50% of the student population. Each student neighborhood and Main Street will house from 2,000 to 3,000 students. These areas will include not only campus-provided services, but commercial services as well.

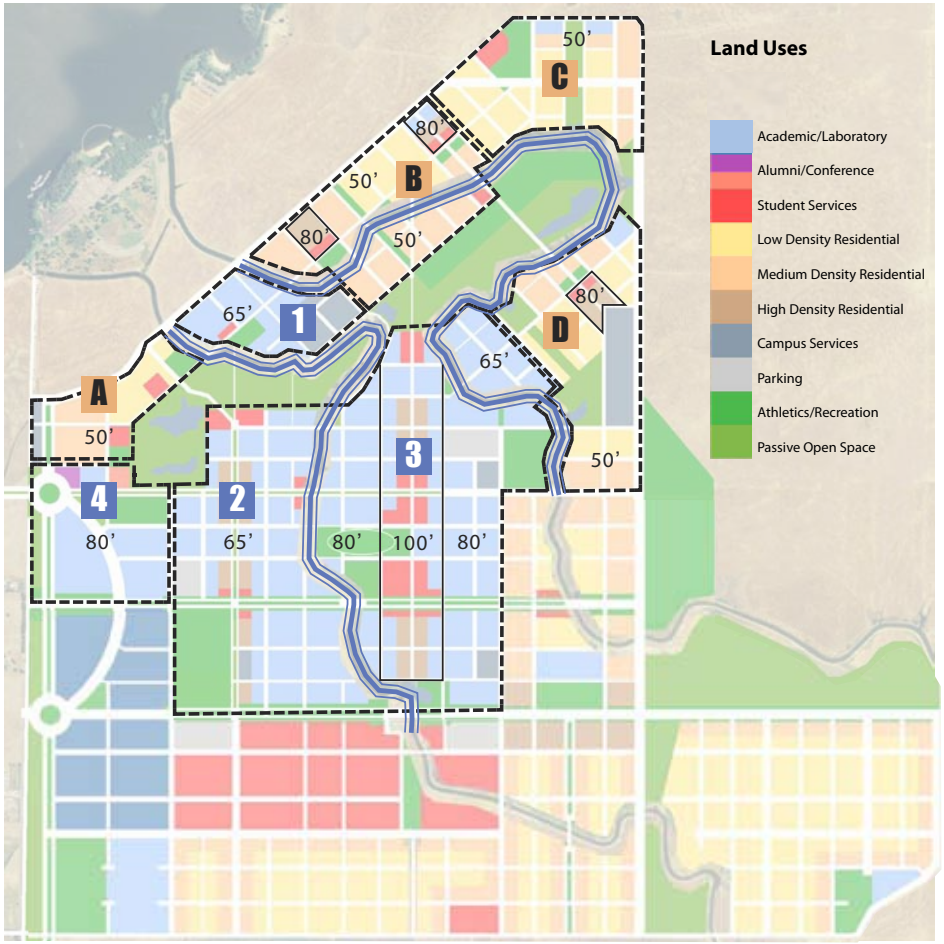
As envisioned, campus dining services will not necessarily be provided within individual housing projects, but will be clustered within the neighborhood centers to provide a variety of dining and service choices to the community. Mixed-use developments with commercial and/or campus services on lower floors and residential space on upper floors will generate activity along the edges and pathways leading to these focal points. Dining and recreational venues will overlook the open spaces and neighborhood parks and plazas, creating a synergistic focus for each student neighborhood. Faculty and staff housing will be accommodated off-campus in the adjacent University Community owned jointly by the Regents and the Virginia Smith Trust.

Open Space Element

The campus site is bordered on its northern and eastern edge by 26,000 acres of permanently protected vernal pool grasslands. This permanent open space will link the campus to the Sierra Nevada. The 2009 LRDP's open space element includes 100 acres of passive open space that refers to the campus' surroundings. In addition to the development of a large ceremonial central park, the Grand Ellipse, noteworthy open space experiences featured in the 2009 LRDP include the Loop Trail, Parkway Trail and the Bowl Trails.

Infrastructure Element

The 2009 LRDP will build on UC Merced's existing utility systems. Expansion of utility infrastructure will be required to meet the program needs identified in the LRDP. UC Merced will continue to work in collaboration with local jurisdictions and public utility providers to plan and monitor campus utility demand and to implement expansion of distribution systems as needed to serve LRDP growth.



UC Merced LRDP

Campus Height and Massing Districts

Academic Campus

1. North Campus
2. Central Campus West
3. Central Campus East
4. Gateway District

Student Neighborhoods

A. Lake View Neighborhood
B. North Neighborhood
C. Sierra View Neighborhood
D. Valley View Neighborhood

C. Ancillary Programs Plans

To support its academic program, UC Merced administers essential ancillary programs including: childcare; housing and dining; recreation; bookstore; and transportation and parking services.

1. Childcare

High quality childcare is important to the recruitment and retention of students, faculty and staff. UC Merced's Early Childhood Education Center will provide care for approximately 80 pre-school children and new facilities will be added as the campus expands.

2. Housing

UC Merced student housing is organized to provide students with an opportunity to fully experience university life as part of a tight-knit community, while enjoying the convenience of living in the campus core. UC Merced student housing provides an opportunity for students from very diverse backgrounds to live and learn in facilities that offer space for study groups and informal gatherings. The Resident Assistant to resident ratio typically does not exceed 50 residents per Resident Advisor.

Student Housing Phase 3, currently under construction, is the third housing project constructed at UC Merced. All three existing housing projects and Housing 4, which is planned to open in 2013, focus on serving the undergraduate population and support Merced's goal to offer a two-year guarantee to incoming freshmen and one-year guarantee to incoming transfer students. It is anticipated that the future housing projects, beginning with Student Housing Phase 5, will serve primarily upper-division students with a limited number of rooms available for international students or students requiring housing during campus break periods. This is consistent with the campus LRDP-established goal to house 50% of its students on campus.

3. Recreation and Athletics and Student Union

Recognizing the significant role that recreation facilities and programs have in serving the needs of both the on- and off-campus communities, UC Merced places a high value on developing and maintaining recreation fields, outdoor courts and indoor recreation and wellness space. The existing Joseph Edward Gallo Recreation and Wellness Center is home to the Recreation and Athletics program. This program provides a wide variety of sports and recreational activities including fitness classes, intramural sports, club sports and comprehensive outdoor adventure trip programs. The Club Sports program offers students the opportunity to be a part of teams that compete against other California colleges and universities. The Joseph Edward Gallo Recreation and Wellness Center is also the home to the Wilderness Education Center. The Wilderness Educations Center has resources about Yosemite National Park, Sequoia and Kings Canyon National Parks and the California State Parks system.

The H. Rajender Reddy Health Center is located in the Joseph Edward Gallo Recreation and Wellness Center. The Health Center provides primary care and prevention services by board-certified physicians and certified nurse practitioners and physician's assistants. The Division of Student Affairs, along with Associated Students of UC Merced, are in the preliminary stages of planning a student union.

4. Campus Store

The UC Merced Campus Store Bookstore is the principal source for textbooks, electronic items, apparel, and school supplies for students and the campus at large.

5. Transportation and Parking Services

Consistent with the objectives in the campus Long Range Development Plan, UC Merced Transportation and Parking Services coordinates programs and services for the campus population and its visitors including: public

transit connections; vehicle parking; on and off-campus shuttle service; and promotion of bicycle use and car pool programs. Parking lots are designed with sustainable features including permeable surfaces and in the future, select parking lots will be outfitted with solar collectors to produce green energy.

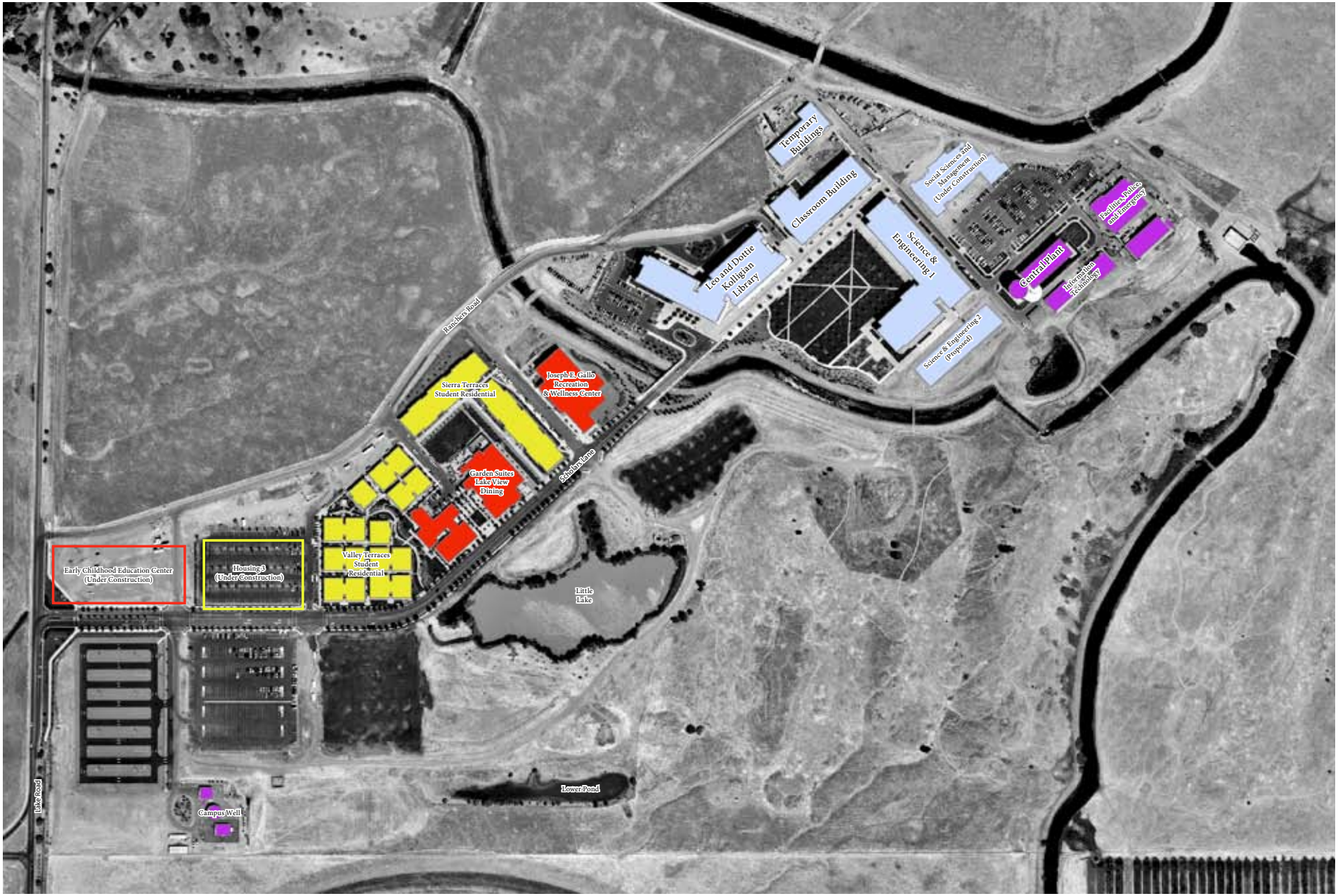
6. Cultural Programs

Cultural programs sponsored by UC Merced, the Office of Student Life and numerous clubs and organizations enrich the cultural life of the campus and community. UC Merced has worked with local artists and musicians by hosting frequent art exhibits, concerts and multi-cultural programming events. The campus has launched an outdoor art and sculpture collection.

7. Utility Infrastructure

The campus faces challenges as it grows and expands into new acreage identified for campus use. Capital projects and investment in campus site development and infrastructure are required for successful campus operation. Significant investment will be required. Increased campus circulation and infrastructure are essential to planned campus growth. Consistent with the approved LRDP and future phases of campus development, the Merced campus will expand to include acreage that is currently undeveloped. Expansion of Central Plant and distribution of underground utilities will be needed to support rapidly growing enrollments and to serve future campus development. Undeveloped areas of the campus will require site improvements to address issues such as campus topography and drainage. New bridges, roadways, lighting, parking lots, landscaping, and bicycle and pedestrian pathways will be needed to serve the new areas of the campus.

Rendering view from proposed Student Union towards Aquatic Center and South Bowl open space feature.



Black and white aerial view, UC Merced, 2008.

III. Capital Planning Process

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The capital planning and design processes at UC Merced integrate academic planning with physical and fiscal planning. The Office of the Vice Chancellor for Administration manages the capital planning process at UC Merced, primarily through four key units: 1) Capital Planning and Space Management; 2) Physical Planning, Design & Construction (PPDC); Facilities Management; and 4) Environmental, Health and Safety (EHS).

The process includes consideration and management of a variety of capital-related matters including: space planning, detailed project programming, site selection of buildings, land-use considerations, architectural design, construction and outfitting, and building occupancy for structures renovated or constructed in support of the mission of the University. Project scope typically includes new construction; renovation of existing facilities; infrastructure/utilities improvements; acquisition of capital equipment; or life-safety related projects.

There are two major categories of the capital program: the State Capital Improvement Program and the Non-State Capital Improvement Program.

State Program

The Campus works closely with the Office of the President in all aspects of the State program, including the types of projects eligible for the funding, the amount of the five-year funding allocation, and the cost and schedule of the projects. The focus of the State program is on instruction and research, including closely related support activities, infrastructure, and utilities. On the Campus, the Chancellor has established a broadly represented campus committee that is responsible for identifying the space and capital needs of the campus, discussing and reviewing specific projects that could meet those needs, and recommending a prioritized list of projects for inclusion in the State CIP. That committee is the Campus Physical Planning Committee (CPPC).

Non-State Program

The Non-State Capital Improvement Program complements the State program as it covers facility needs such as childcare, housing, dining, parking, recreation and athletics, and other non-academic needs. Non-State projects are driven many times by targets of opportunity created by rapidly evolving funding availability or programmatic

requirements. CPPC does not prioritize these projects; the needs and funding emanate from the pertinent campus unit. This includes, for example, new student housing that is pursued by Student Affairs in coordination with Administration and funded by student housing fees. Funding for Non-State projects may include gifts, campus funds, or external financing.

The approval process for these projects is varied and depends on the type of funding and total cost of the project. The Chancellor can approve select capital projects according to total project cost and the type of funding. Certain projects based on total project cost or the need for external financing require additional reviews and approvals by UCOP or The Regents.

A Funding Agreement is required for all Non-State capital projects. Such documentation, which is prepared by the Capital Planning and Space Management Office, outlines the budgetary and financial components for a capital project and ensures that financial responsibilities associated with such components, including potential funding shortfalls, are clear. To effect such commitments, a Funding Agreement is signed by senior management on behalf of the appropriate Campus entities. The document is typically signed prior to seeking project approval but not later than bid advertisement. Availability of funding and funding authorization is subject to State and Regents policies.

Siting of buildings and facilities is consistent with the LRDP as determined by PPD&C in consultation with the Campus Physical Planning Committee. Land Use designations are intended to be flexible, while optimizing synergistic relationships among campus programs. The campus uses locally developed Architectural and Landscape Design Guidelines to ensure integrity, compatibility and coherence of campus design. These guidelines are reviewed by the Campus Physical Planning Committee and updated periodically. The information that follows describes the campus committees established to guide the physical and capital planning process.

Campus Physical Planning Committee

The CPPC advises on site selection, land use, and capital improvement plan projects and priorities by making recommendations to the Chancellor.

Campus Design Review Committee

The CDRC advises the Chancellor and Campus Architect on urban, architectural, landscape and sustainable design matters.

Chancellor's Advisory Committee on Environmental Sustainability

The CACES advises the Chancellor on all matters of sustainable design, development, management and operation of campus facilities, and advocates for programs and initiatives that continuously improve campus performance on matters of sustainability.

Campus Technical Advisory Committee

The CTAC advises the Vice Chancellor for Administration and the Campus Architect on the scope and functional requirements of district level plans; individual project programs, plans, and design documents; campus design guidelines and standards; and other matters relating to physical development of the campus.

Building Advisory Committees

A Building Advisory Committee (BAC) is convened for most projects with budgets exceeding $400,000 (the threshold for a Major Capital Improvement project). The committee works closely with the selected design professionals to ensure that a capital project meets the goals and objectives of the Campus and users. The membership is appointed by the Executive Vice Chancellor/Provost in consultation with the Vice Chancellor for Administration via a charge letter that varies according to the type of project, but is intended to have a broad representation of campus constituencies.

IV. Capital Program Objectives and Near-Term Funding Strategies

CAMPUS CONSTRUCTION, 2008.

A. New Facilities and Infrastructure

Enrollment and academic program growth are the drivers for UC Merced facilities expansion consistent with campus academic planning efforts including the campus Long Range Enrollment Plan and the campus Long Range Development Plan. Because UC Merced is a new campus on an undeveloped site, most capital projects involve new construction and infrastructure improvements. UC Merced received an allocation of initial state funding to develop the first few buildings on campus including site development and infrastructure.

The Capital Financial Plan and the campus Long Range Development Plan anticipate the campus' formative years will be a period of fiscal restraint, and puts a primacy on strategic and cost-effective integration of programmatic needs and funding sources, deployment of infrastructure, and multiple uses for land.

The first phase of campus physical development, encompassing approximately 104 acres, supports the initial phases of academic program development. The campus will accommodate phase one of campus development in 950,000 gross square feet, of which 750,000 gross square feet is already occupied or constructed in 43 buildings on campus, or in off campus leased space.

By 2018-19, it is expected that the campus population at UC Merced will include: 7,785 undergraduate FTE; 1,809 graduate student FTE; for a total of 9,594 student FTE. For the same period, it is expected that there will be 495 faculty FTE; 2,178 staff FTE; and 109 Post-Doctoral Researcher FTE (Source: UC Merced Institutional Planning and Analysis, 2008).

Increased campus circulation and infrastructure are essential to planned campus growth. Consistent with the approved LRDP, the Merced campus will expand to include acreage that is currently undeveloped. Expansion of the Central Plant and distribution of underground utilities and additional infrastructure will be needed to support rapidly growing enrollments and to serve future campus development. Undeveloped areas of the campus will require site

improvements to address issues such as campus topography and drainage. New bridges, roadways, lighting, parking lots, landscaping, and bicycle and pedestrian pathways will be needed to serve the new areas of the campus.

B. Capital Renewal and Modernization

Funding is needed for the renewal and expansion of building systems in the UC Merced Castle 1200 and 1201 facilities in Atwater, California about eight miles away and 80,000 gross square feet. Castle was the initial location for UC Merced research and administration prior to the campus opening in 2005. The facility accommodates new research programs on a continuous re-use basis. Many of these programs move to the campus as facilities become available.

The State of California invested approximately $5 million prior to campus opening in Fall 2005 for renovation of approximately 20,000 gsf in Castle 1200 and 1201 to create modern research laboratories. In order to attract high-quality faculty capable of advanced research, UC Merced will need to invest additional resources into the Castle facilities. Planned capital renewal includes improvements to building systems necessary for modern research programs particularly in Engineering and the Natural Sciences. The mechanical and electrical systems in the building, constructed in 1989, are at the end of their useful lives. These systems do not fully meet current needs and cannot support planned future research without the additional investment.

C. Off-Campus Leased Space

UC Merced continues to occupy office space in a limited number of office buildings in Merced, Fresno and Bakersfield. . As staff members continue to support the academic enterprise there is an increasing need to provide office space. Typically support functions are moved off-campus to give priority to student and academic activities on the main campus. It is likely that the campus will eventually consolidate these administrative office leases and use It is likely that the campus will eventually consolidate these administrative office leases and use operating funds to pay debt service for a new building that would be constructed for administration and other programs such as a visitors and alumni center.

D. Sustainability, Energy Conservation and Life Cycle Costs

UC Merced maintains an advantage in attracting students and faculty by its ability to create a campus culture based on sustainability and stewardship - one of the campus' founding principles for development. UC Merced has earned LEED "Gold" certification for three academic buildings and the central plant as awarded by the U.S. Green Building Council for excellence in environmentally responsible design, construction and operation. All of UC Merced's capital projects comply with the University of California Policy on Sustainable Practices and have adopted energy efficiency features to ameliorate the harsh summer climate of the San Joaquin Valley. To date the efficiency of UC Merced buildings has provided a reduction of approximately 50% energy use compared to similar University buildings at other locations.

UC Merced is partnering with Pacific Gas & Electric through the Statewide Energy Partnership Program to build a one megawatt solar field that will take advantage of the abundant sunshine in the region and will offset the campus' carbon footprint. UC Merced is exploring options to include solar energy capabilities in new facilities whenever it is financially feasible.

UC Merced serves as a model of sustainable development, showcasing the many ways it makes wise use of water, energy, sunlight and other precious resources in a highly cost-effective manner.

E. Near Term Funding Strategies

Since 2002 the State has provided approximately $310 million dollars for the initial site development, infrastructure and the first three academic buildings on the Merced campus. The current capital funding crisis in California has produced serious problems for the planned enrollment growth of the campus. Interruption of State construction funding for the UC Merced Social Sciences

and Management Building created a significant funding hardship for the new campus in order to prevent damage to the building structure caused by the damp winter climate.

A critically needed second Science and Engineering Building had been identified for General Obligation Bond funding in 2008. Since the 2008 bond was withdrawn by the Legislature this project was placed into the lease revenue bond package that had been negotiated with the Governor and State funding for this project in 2009-10 is not resolved. In order to move forward with schematic design, the campus has borrowed funds in an attempt to keep the project on schedule.

As a new campus without an established alumni base, UC Merced faces enormous financial challenges to launch its academic and instructional programs. The campus must receive increased State capital program support to construct the campus infrastructure and facilities in order to meet workload demand as described in the approved campus Long Range Enrollment Plan. Over the coming decade it will be imperative that UC Merced continue to receive a significant level of capital program support so that the campus can confidently operate in a self sufficient manner. Current campus capital funding targets of $80 -$90 million dollars for each five year period will preclude the campus's ability to grow and to support the academic and instructional programs serving the students. Additional State investment is needed in order that the campus can become more financially independent.

F. Unfunded Needs

The 2008-18 Capital Financial Plan outlines a funding strategy that will allow the newest campus of the University of California to continue to develop in a timely manner. While mature campuses must continue to renovate outdated instructional and research facilities, UC Merced is literally developing from the ground up. Placement of the campus on a "Greenfield" site requires substantial capital investment to construct infrastructure and facilities. Underground utilities, streets, sewer and water lines and other infrastructure must be built at the same time that academic and instructional facilities are being constructed. Capital and operating start-up funds for auxiliary enterprises such as housing, dining, recreation and wellness, and childcare facilities are required to draw students. Without investment, there are major impediments to the timely build-out of the Merced campus and accommodation of enrollments. UC Merced balances the need for fully equipped facilities that provide a vibrant student life experience with an understanding of the costs that become a greater burden on the students who would pay higher fees for such facilities and programs on campus. A smart and balanced approach to capital development is required, and it is planned that the capital programs will include an increasing share of gift, grant, federal and other funds over time.

V. 2008-2018 Capital Improvement Program

CAMPUS CONSTRUCTION, SOCIAL SCIENCES AND MANAGEMENT BUILDING 2009.

The 2008–18 Capital Improvement Program for UC Merced is summarized in the following Tables 1–8. The ten-year plan put forward by the campus is necessary to support the campus's Long Range Enrollment Plan (LREP) submitted to UCOP, and approved by the California State Legislature, in Spring 2008.

As indicated on Table 4, greater than 85% of the total capital project budget is dedicated to core instruction research, student housing, parking, and infrastructure required to support a new research university. The capital improvement program is focused on providing the essential facilities that the campus must deliver in order to support a growing student population, and provides only a minimum level of non-essential amenities.

As shown in Table 1, the 44 projects included in this ten-year capital program have an estimated total value of $1.359 billion, and will be funded through a combination of State resources totaling $794 million (59%) and non-State resources totaling $564 million (41%). Additional details on project categories follow.

- **Eleven (11) - Instruction and Research Projects directly** support the University's mission of teaching, research and public service. These projects deliver the facilities necessary to support student and faculty growth in accordance with the campus's LREP.

- **Nine (9) - Infrastructure Projects** deliver the core connectivity the campus will require as it moves from its current 104 acre footprint, to the 815 acre footprint outlined in the Long Range Development Plan (LRDP).

- **Eight (8) - Parking Projects** are needed to address the planned campus growth if the campus is to remain within system-wide parking targets for faculty, staff and students.

- **Five (5) - Housing Projects** will be required to provide the necessary housing to accommodate planned student growth. Even with the addition of these five new housing projects, within the framework of the LREP, the campus will not be able to meet the target of offering housing to 50% of the student population.

- **Eight (8) - Student-Fee Funded Projects** are critical to deliver the facilities necessary to continue to improve recruitment and retention for undergraduate as well as graduate students. Given that UC Merced continues to enroll the highest proportion of first-generation college students of any campus in the UC system, providing facilities that integrate students into the campus community is foundational to continued student success.

Table 1
University of California, Merced
2008-09 to 2017-18 State and Non-State-Funded Capital Improvement Program
May 2009

Project Title	Previously Funded ($000)	2008-09 ($000)	2009-10 ($000)	2010-11 ($000)	2011-12 ($000)	2012-13 ($000)	2013-14 ($000)	2014-18 ($000)	Total Budget (2) ($000)	Approval Type
State-Funded Projects										
Social Sciences and Management	PWC $45,622			E $2,004					$47,626	Campus
Stem Cell Instrumentation Foundry		PWC $3,750 PWCE [$3,250] X							$7,000	Campus
Science & Engineering Building 2		P $2,010 P [$3,700] X	WCE $75,204 WCE [$6,300] X						$87,214	Regental
Site Development & Infrastructure (P4 & P5)				PWC $10,400					$10,400	Campus
Castle 1200 Facilities Renewal (P1)				PWC $14,900					$14,900	Campus
Instruction & Student Academic Services Bldg				PWC $31,700	E $2,000				$33,700	Campus
Site Development & Infrastructure (P6)					PWC $30,000				$30,000	Campus
Site Development & Infrastructure (P7)					PWC $35,000				$35,000	Campus
Interdisciplinary I & R Building #1					PW $15,200	CE $141,500			$156,700	Regental
Castle 1200 Facilities Renewal (P2)						PWC $11,000			$11,000	Campus
School of Management						P $3,000	WCE $62,000		$65,000	Regental
Interdisciplinary I & R Building #2						P $7,140	W $8,820	CE $138,640 CE [$10,000] G	$164,600	Regental
Central Plant Expansion							P $1,125	WC $21,375	$22,500	Campus
Site Development & Infrastructure (P8)							P $1,800	WC $38,200	$40,000	Campus
Classroom & Instructional Technology Building								PWCE $42,000	$42,000	Campus
Public Safety Logistics Facility								PWCE $27,750	$27,750	Campus
Environmental Health & Safety Building								PWCE $19,850	$19,850	Campus
Energy Center								P $2,250	$50,000	Campus
State-Funded Projects										
State Funds	$45,622	$5,760	$75,204	$59,004	$82,200	$162,640	$73,745	$290,065	$794,240	
Non-State Funds	[$0]	[$6,950]	[$6,300]	[$0]	[$0]	[$0]	[$0]	[$10,000]	[$23,250]	
Subtotal	**$45,622**	**$12,710**	**$81,504**	**$59,004**	**$82,200**	**$162,640**	**$73,745**	**$300,065**	**$817,490**	

University of California, Merced
2008-09 to 2017-18 State and Non-State-Funded Capital Improvement Program
May 2009

Project Title	Previously Funded ($000)	2008-09 ($000)	2009-10 ($000)	2010-11 ($000)	2011-12 ($000)	2012-13 ($000)	2013-14 ($000)	2014-18 ($000)	Total Budget (2) ($000)	Approval Type
Non-State-Funded Projects										
Student Housing Phase 3		PWCE [$42,000] LB							$42,000	Campus
Campus Parking Lots G & H		PWC [$1,660] LB							$1,660	Campus
Campus Parking Lot I			PWC [$1,400] LB						$1,400	Campus
Multi-Purpose Recreation Field			P [$250] LB	C [$1,000] G WC [$4,250] LB					$5,500	Campus
J.E. Gallo Recreation and Wellness Expansion				C [$2,000] G PWC [$15,100] LB					$17,100	Campus
Campus Parking Lot J				PWC [$2,100] LB					$2,100	Campus
West Campus Site Dev & Infrastructure				P [$600] LB	WC [$11,400] LB				$12,000	Campus
West Neighborhood Dining				P [$450] LB	WCE [$11,050] LB				$11,500	Campus
Student Housing Phase 4					PWCE [$48,700] LB				$48,700	Campus
Campus Parking Lot K					PWC [$1,200] LB				$1,200	Campus
Student Union					P [$1,900] LB	C [$4,000] G WCE [$37,000] LB			$42,900	Campus
South Campus Site Dev & Infrastructure					P [$1,125] LB	WC [$23,875] LB			$25,000	Campus
Organized Research Building					P [$3,520] LB	C [$10,000] G WCE [$69,780] LB			$83,300	Regental
Campus Parking Lot L						PWC [$1,100] LB			$1,100	Campus
Student Aquatics Center						P [$675] LB	C [$2,000] G WC [$12,325] LB		$15,000	Campus
Campus Parking Lot M							PWC [$1,500] LB		$1,500	Campus
Student Housing Phase 5							PWC [$71,500] LB		$71,500	Regental
North Campus Infrastructure							PWC [$12,000] LB		$12,000	Campus
Baseball & Softball Competition Field Complex							C [$2,000] G PWC [$9,000] LB		$11,000	Campus
Tennis Courts							C [$250] G PWC [$750] LB		$1,000	Campus
Outdoor Basketball Courts							C [$50] G PWC [$450] LB		$500	Campus
Administration Building and Alumni/Visitor's Center							P [$1,600] LB	C [$4,000] G WCE [$31,950] LB	$37,550	Campus
Campus Parking Lot N								PWC [$4,000] LB	$4,000	Campus
Early Childhood Education Center 2								C [$1,000] G PWCE [$7,400] LB	$8,400	Campus
Student Housing Phase 6								PWC [$79,000] LB	$79,000	Regental
Campus Parking Lot O								PWC [$4,200] LB	$4,200	Campus
Non-State-Funded Projects										
State Funds	$0	$0	$0	$0	$0	$0	$0	$0	$0	
Non-State Funds	[$0]	[$43,660]	[$1,650]	[$25,500]	[$78,895]	[$146,430]	[$113,425]	[$131,550]	[$541,110]	
Subtotal	**$0**	**$43,660**	**$1,650**	**$25,500**	**$78,895**	**$146,430**	**$113,425**	**$131,550**	**$541,110**	

University of California, Merced
2008-09 to 2017-18 State and Non-State-Funded Capital Improvement Program
May 2009

Project Title	Previously Funded ($000)	2008-09 ($000)	2009-10 ($000)	2010-11 ($000)	2011-12 ($000)	2012-13 ($000)	2013-14 ($000)	2014-18 ($000)	Total Budget [2] ($000)	Approval Type
State and Non-State Total										
State Funds	$45,622	$5,760	$75,204	$59,004	$82,200	$162,640	$73,745	$290,065	$794,240	
Non-State Funds	[$0]	[$50,610]	[$7,950]	[$25,500]	[$78,895]	[$146,430]	[$113,425]	[$141,550]	[$564,360]	
Total	**$45,622**	**$56,370**	**$83,154**	**$84,504**	**$161,095**	**$309,070**	**$187,170**	**$431,615**	**$1,358,600**	

Notes:

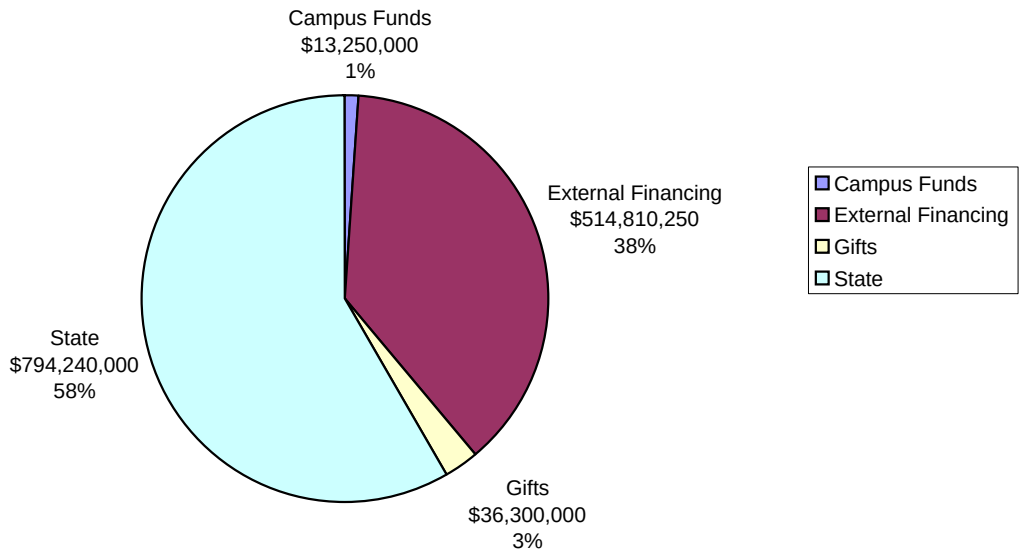
[1] HOUS=Housing; INFR=Infrastructure; I&R=Instruction and Research; MULT=variety of functions and funding sources; OTHER=academic support, administrative, childcare, etc.; PARK=Parking; STDN=Student-Fee Funded.

[2] Projects are shown for which funding through construction is planned within 10-year program

[3] "Campus" approval process assumes delegated authority for eligible projects with total budgets equal to and less than $60 million. For projects with State funding, delegated authority applies to design approval and environmental certification.

Table 2
University of California, Merced
2008-09 to 2017-18 Capital Improvement Program, Summary by Fund Source

Fund Source	Previously ($000)	2008-09 ($000)	2009-10 ($000)	2010-11 ($000)	2011-12 ($000)	2012-13 ($000)	2013-14 ($000)	2014-18 ($000)	Total ($000)
Campus Funds [1]	0	6,950	6,300	0	0	0	0	0	13,250
External Financing	0	43,660	1,650	22,500	78,895	132,430	109,125	126,550	514,810
Gifts	0	0	0	3,000	0	14,000	4,300	15,000	36,300
State [2]	45,622	5,760	75,204	59,004	82,200	162,640	73,745	290,065	794,240
Total	45,622	56,370	83,154	84,504	161,095	309,070	187,170	431,615	1,358,600



Notes:

[1] Includes Campus and University discretionary funds.

[2] State fund sources include General Obligation Bonds, State Lease Revenue Bonds & Proposition 71 Bonds (CIRM).

Table 3
University of California, Merced
2008-09 to 2017-18 Capital Improvement Program, External Financing by Program

Program	Number of Projects	Previously ($000)	2008-09 ($000)	2009-10 ($000)	2010-11 ($000)	2011-12 ($000)	2012-13 ($000)	2013-14 ($000)	2014-18 ($000)	Total ($000)
Auxiliary - Housing	5	0	42,000	0	450	59,750	0	71,500	79,000	252,700
Auxiliary - Parking	8	0	1,660	1,400	2,100	1,200	1,100	1,500	8,200	17,160
Auxiliary - Student Fees	8	0	0	250	19,350	1,900	37,675	22,525	7,400	89,100
Education and General	2	0	0	0	0	3,520	69,780	1,600	31,950	106,850
Infrastructure	3	0	0	0	600	12,525	23,875	12,000	0	49,000
Total	26	0	43,660	1,650	22,500	78,895	132,430	109,125	126,550	514,810

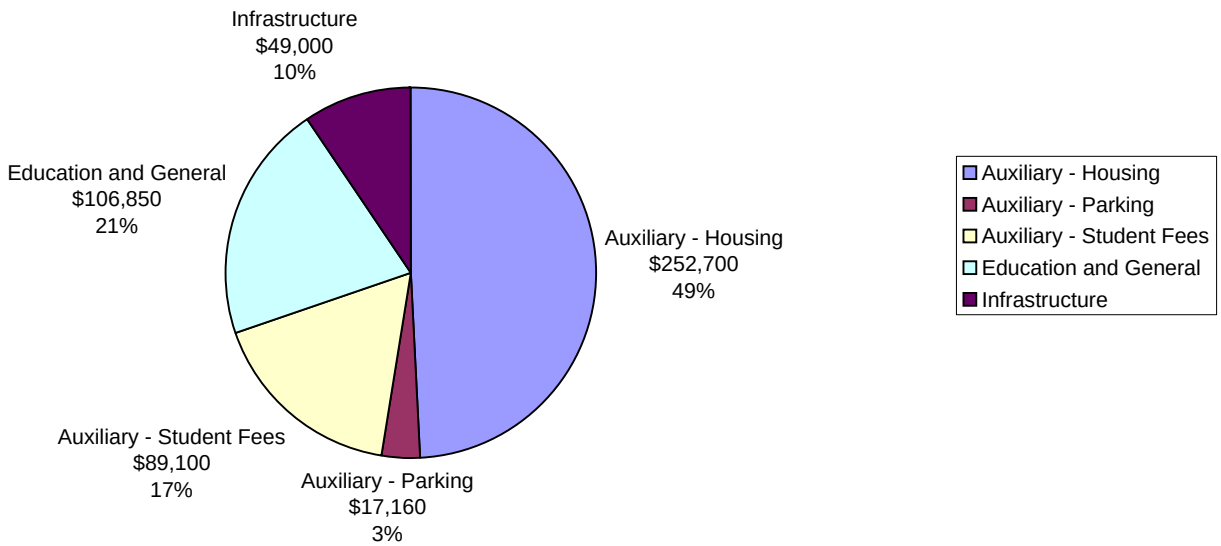


Table 4
University of California, Merced
2008-09 to 2017-18 Capital Improvement Program, Summary by Function

Function Type	Number of Projects	Previously ($000)	2008-09 ($000)	2009-10 ($000)	2010-11 ($000)	2011-12 ($000)	2012-13 ($000)	2013-14 ($000)	2014-18 ($000)	Total ($000)
Housing (HOUS)	5	0	42,000	0	450	59,750	0	71,500	79,000	252,700
Infrastructure (INFR)	9	0	0	0	11,000	77,525	23,875	14,925	61,825	189,150
Parking (PARK)	8	0	1,660	1,400	2,100	1,200	1,100	1,500	8,200	17,160
Instruction and Research (I&R)	11	45,622	12,710	81,504	48,604	20,720	242,420	70,820	190,640	713,040
Student Fee-Funded (STDN)	8	0	0	250	22,350	1,900	41,675	26,825	8,400	101,400
Other	3	0	0	0	0	0	0	1,600	83,550	85,150
Total	44	45,622	56,370	83,154	84,504	161,095	309,070	187,170	431,615	1,358,600

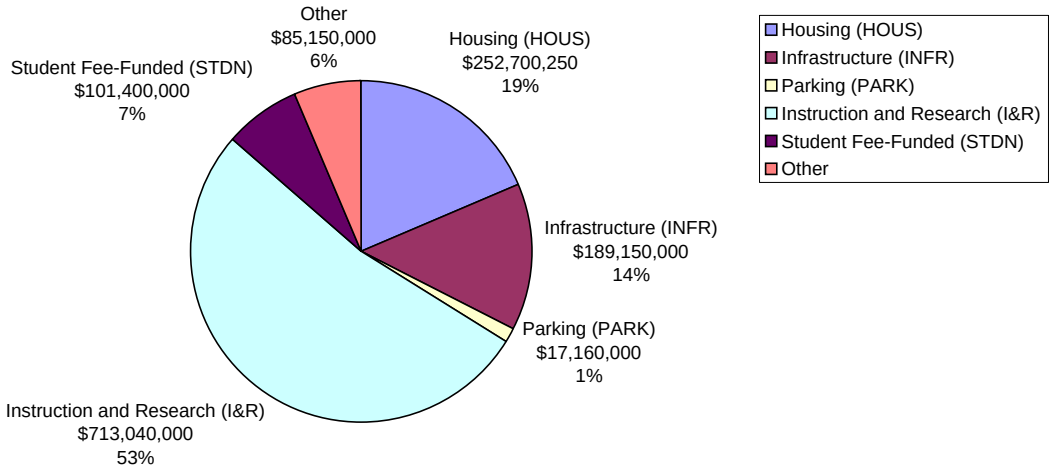
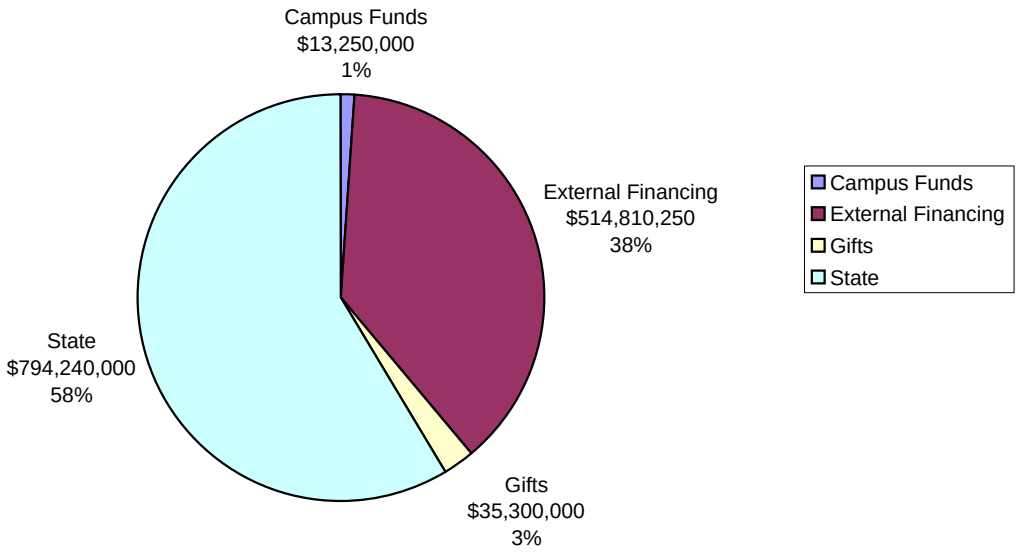


Table 2
University of California, Merced
2008-09 to 2017-18 Capital Improvement Program, Summary by Fund Source

Fund Source	Previously ($000)	2008-09 ($000)	2009-10 ($000)	2010-11 ($000)	2011-12 ($000)	2012-13 ($000)	2013-14 ($000)	2014-18 ($000)	Total ($000)
Campus Funds [1]	0	6,950	6,300	0	0	0	0	0	13,250
External Financing	0	43,660	1,650	22,500	78,895	132,430	109,125	126,550	514,810
Gifts	0	0	0	2,000	0	14,000	4,300	15,000	35,300
State [2]	45,622	5,760	75,204	59,004	82,200	162,640	73,745	290,065	794,240
Total	45,622	56,370	83,154	83,504	161,095	309,070	187,170	431,615	1,357,600



Notes:

[1] Includes Campus and University discretionary funds.

[2] State fund sources include General Obligation Bonds, State Lease Revenue Bonds & Proposition 71 Bonds (CIRM).

Table 5
University of California, Merced
2008-09 to 2017-18 Capital Improvement Program, Summary by Improvement Category

Improvement Category	Number of Projects	Previously ($000)	2008-09 ($000)	2009-10 ($000)	2010-11 ($000)	2011-12 ($000)	2012-13 ($000)	2013-14 ($000)	2014-18 ($000)	Total ($000)
New Building Construction	32	45,622	49,370	83,154	58,604	83,570	274,195	172,245	369,790	1,136,550
Building Renovation	3	0	7,000	0	14,900	0	11,000	0	0	32,900
Infrastructure Development and Renewal	9	0	0	0	11,000	77,525	23,875	14,925	61,825	189,150
Total	44	45,622	56,370	83,154	84,504	161,095	309,070	187,170	431,615	1,358,600

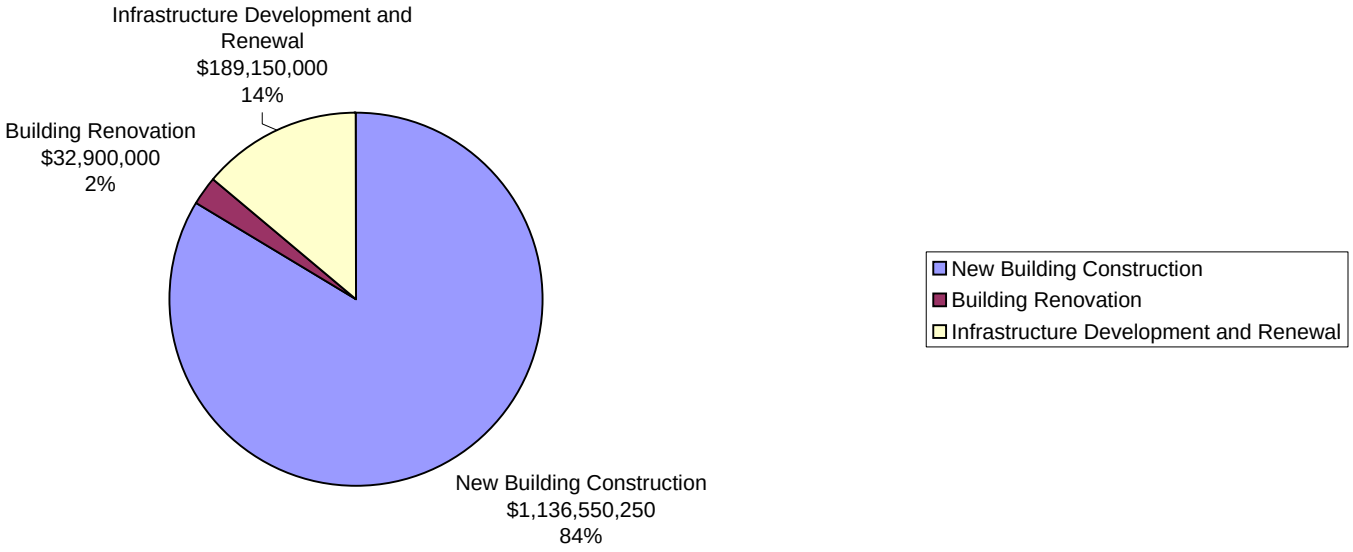


Table 6
University of California, Merced
2008-09 to 2017-18 Capital Improvement Program, New and Renovated ASF

Function Type	New			Renovated		
	Projects	ASF	Percentage	Projects	ASF	Percentage
Housing (HOUS) [1]	5	326,400	31%	0	0	0%
Instruction and Research (I&R)	8	514,209	49%	3	16,355	100%
Other	3	87,000	8%	0	0	0%
Student Fee-Funded (STDN)	8	119,000	11%	0	0	0%
Total	24	1,046,609	100%	3	16,355	100%

[1] Projects are expected to provide approximately 1,750 new beds (including revenue and non-revenue).

Table 7

University of California, Merced
2008-09 to 2017-18 Capital Improvement Program
Ground Leases and Licenses

Project Title	GSF	Occupancy
None	n/a	n/a

Table 8
University of California, Merced
2008-09 to 2017-18 Capital Improvement Program
Projects by Location

Location	Project Name
Castle Facilities	Castle 1200 Facilities Renewal Phase 1
	Castle 1200 Facilities Renewal Phase 2
Central Campus East	Campus Parking Lot K
	Energy Center
	Environmental Health & Safety Facility
	Site Development & Infrastructure Phase 8
Central Campus West	Baseball & Softball Competition Field Complex
	Campus Parking Lot O
	Classroom & Instructional Technology Building
	Interdisciplinary Instruction & Research Building 1
	Interdisciplinary Instruction & Research Building 3
	Outdoor Basketball Courts
	Public Safety & Logistics Facility
	South Campus Site Development & Infrastructure
	Student Housing Phase 4
	Student Housing Phase 5
	Student Housing Phase 6
	Student Union
	Tennis Courts
Gateway District	Administration Building & Alumni/Visitor's Center
	Campus Parking Lot J
	Campus Parking Lot L
	Campus Parking Lot M
	Campus Parking Lots G & H
	Early Childhood Education Center 2
	Instruction & Student Academic Services Building
	Interdisciplinary Instruction & Research Building 2
	Multipurpose Recreation Field
	Organized Research Building
	Professional School
	School of Management
Lake View Neighborhood	Joseph Edward Gallo Recreation & Wellness Center Expansion
	Site Development & Infrastructure Phase 4 & 5
	Site Development & Infrastructure Phase 6
	Site Development & Infrastructure Phase 7
	Student Aquatics Center
	Student Housing Phase 3
	West Campus Site Development & Infrastructure
	West Neighborhood Dining Facility
North Campus	Science & Engineering Building 2
	Campus Parking Lot J
	Central Plant Expansion
	Site Development & Infrastructure Phase 4 & 5
	Stem Cell Instrumentation Foundry
	Student Union
North Neighborhood	Campus Parking Lot N
	North Campus Infrastructure

Index of Project Overviews

Overviews for each of the projects within the 2008-18 Capital Financial Plan follow this index of specific projects.

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Campus Parking Lot L	63
Student Aquatics Center	64
Campus Parking Lot M	65
Student Housing 5	66
North Campus Infrastructure	67
Tennis Courts	68
Baseball and Softball Competition Field Complex	69
Outdoor Basketball Courts	70
Administration Building/Visitor Alumni	71
Campus Parking Lot N	72
Early Childhood Education Center 2	73
Student Housing Phase 6	74
Campus Parking Lot O	75

Science & Engineering Building 2

Project Description and Justification:
This is the second building for the School of Natural Sciences and the School of Engineering and will providespace for instruction and research space to support the growing student and faculty workload within the two schools. The Science and Engineering Building 2 project will accommodate new and expanding programs such as physical/analytical chemistry, experimental physics, synthetic/organic chemistry, engineering and bio-engineering, and nanotechnology. The project would construct teaching and research laboratories/support space; faculty offices; academic and administrative space; shared equipment rooms; and other specialized facilities for new and expanding programs.

Approval Delegation	Regental

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$87,214,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$10,000,000
Capital Reserves	
External Financing	
Federal	
Gift	
Other	
Privatized Development	
State	$77,214,000
Total Estimated Budget	**$87,214,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 5.75% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Jan-13
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
56,372	ASF
95,547	GSF
59%	efficiency
n/a	beds
n/a	spaces

Project Site Location
North Campus

Notes:
[(a)] Assumes that State funds will be available to award construction contracts beginning March-10 and that project does not have to be rebid.

Stem Cell Instrumentation Foundry

Project Description and Justification:
This project will construct a stem cell research facility as part of the California Institute for Regenerative Medicine - CIRM Major Facilities Grant Program. This includes the construction or remodeling of space in Science and Engineering 1 to support an interdisciplinary bio-engineering and molecular and cellular biology based program to design and manufacture devices for quantitative single cell research. The facility will include research laboratory and laboratory support space for approximately 10-12 researchers using shared laboratories and specialized laboratory space.

Approval Delegation	Campus

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$7,000,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$3,250
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$3,750
Total Estimated Budget	**$7,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Oct-10
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
4,355	ASF
6,885	GSF
63%	efficiency
n/a	beds
n/a	spaces

Project Site Location
North Campus (Science & Engineering 1)

Notes:
[(a)] Assumes that State funds will be available to award construction contracts beginning October-09 and that project does not have to be rebid.

Site Development & Infrastructure Phases 4 & 5

Project Description and Justification:
These projects will complete key elements of the initial build-out for the campus academic core including: 1) extension of buried utilities for State supportable programs and activities; 2) improving the campus storm water management system; 3) modifying existing equipment at the Central Plant, Telecommunications Building and Pump Station to operate in a safe an efficient manner; 4) constructing a materials lay-down and handling area for Facilities Management; 5) vehicular and pedestrian circulation improvements; and 6) associated grading and landscaping.

Approval Delegation	Campus

Function Category	INFR

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$10,400,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds [(a)]	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$10,400,000
Total Estimated Budget	**$10,400,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Nov-13
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
North Campus & Lake View Neighborhood

Notes:
[(a)] Assumes that State funds will be available to award construction contracts Sept-11 and that project does not have to be rebid.

Castle 1200 Facilities Renewal Phase 1

Project Description and Justification:
This project would improve Castle Building 1200 in Atwater, CA (Castle Aviation and Commercial Center) to include modifications and upgrades to building systems and basic fit-out of research space for research programs. Improvements would be made to building electrical/information technology infrastructure, plumbing, HVAC and emergency power systems. Life-safety systems would be upgraded to meet current life-safety code requirements. Basic laboratory infrastructure would be provided in such a way that individual spaces could be further fit-out by the University as individual researchers are assigned space in the building. This project would benefit the entire facility and would convert about 20% of underutilized building space into modern research laboratories.

Approval Delegation	Campus

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$14,900,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	**$14,900,000**
Total Estimated Budget	**$14,900,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service (at 6.25% for 30 years)	$0
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Sep-12
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
12,000	ASF
20,000	GSF
60%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Castle Facilities

Notes:
[(a)] Assumes that State funds will be available to award construction contracts June-10 and that project does not have to be rebid.

Instruction & Student Academic Services Building

Project Description and Justification:
State funds will be used to construct student service office and support space; and an auditorium for state-supported instruction and student administrative and enrollment services including: Admissions and Relations with Schools and Colleges; Center for Educational Partnerships (Early Outreach); Cashier; Disability Services; Educational Opportunity Program; Financial Aid and Scholarships; International Programs; Registrar; Student Business Services; Student Judicial Affairs; and related eligible programs. These vital student services are currently scattered throughout various campus locations. With enrollment projected to grow more than 200% between 2007 and 2014, the additional space is needed to accommodate state-eligible programs associated with student services.

Approval Delegation	Campus

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$26,250,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$26,250,000
Total Estimated Budget	**$26,250,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	May-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
40,000	ASF
58,900	GSF
68%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Gateway District

Notes:
[(a)] Assumes that State funds will be available to award construction contracts Oct-11 and that project does not have to be rebid.

Site Development & Infrastructure Phase 6

Project Description and Justification:
The project would provide beginning infrastructure and utilities associated with Phase 2 of campus development. This project includes basic infrastructure, utilities distribution and connections to the existing central plant and data/telecommunications building. The infrastructure aspect would include bridges, major roadways, pedestrian walkways, lighting, hardscaping, landscaping, and safety-call boxes. The utilities distribution system would include expansion of the campus electrical distribution system and other major utilities such as sewer, potable water, rainwater system, natural gas, high temperature hot water, chilled water, and data/information technology either above ground or as buried utilities.

Approval Delegation	Campus

Function Category	INFR

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$30,000,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$30,000,000
Total Estimated Budget	**$30,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	May-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Lake View Neighborhood

Notes:
[a] Assumes that State funds will be available to award construction contracts Aug-12 and that project does not have to be rebid.

Site Development & Infrastructure Phase 7

Project Description and Justification:
This project would provide the necessary backbone infrastructure, including: rough grading, roadways and bridges, hardscaping, landscaping, pedestrian and bicycle paths, lighting, emergency call boxes, drainage, large irrigation, sewer and utilities distribution form major utilities in new neighborhoods of campus not previously developed. Utilities distribution will include: electrical; natural gas; domestic water; sewer; reclaimed water; data/information technology; pumps; and associated new utilities networks that will serve instruction and research facilities.

Approval Delegation	Campus

Function Category	INFR

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$35,000,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$35,000,000
Total Estimated Budget	**$35,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	May-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Lake View Neighborhood

Notes:
(a) Assumes that State funds will be available to award construction contracts Aug-12 and that project does not have to be rebid.

Interdisciplinary Instruction & Research Building 1

Project Description and Justification:
This facility will support the growing workload for the laboratory and teaching needs for Social Sciences, Humanities and Arts; Engineering; Natural Sciences; and Health/Biomedical Sciences. The interdisciplinary building would provide space for instruction and research laboratories, laboratory support, classrooms, faculty offices, and academic/administrative space. The building would support new and expanding experimentalists who are laboratory-based with the associated instructional programs.

Approval Delegation	Regental

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$156,700,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$156,700,000
Total Estimated Budget	**$156,700,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Dec-15
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
100,000	ASF
165,000	GSF
61%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus West

Notes:
[(a)] Assumes that State funds will be available to award construction contracts beginning Dec-12 and that project does not have to be rebid.

Castle 1200 Facilities Renewal Phase 2

Project Description and Justification:
This project will address the campus need for a learning center by making it possible to consolidate a number of academic support programs dedicated to the development and use of instructional technology. The existing space released by those programs moving into the new facility will be reassigned to meet the urgent growth needs of several core instruction and research departments. The project will also support efforts to improve Education Studies Program by providing additional space to address existing space constraints and growth requirements. In addition, the project will alleviate the shortage of general assignment classrooms.

Approval Delegation	Campus

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$11,000,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$11,000,000
Total Estimated Budget	**$11,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Oct-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
12,000	ASF
20,000	GSF
60%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Castle Facilities

Notes:
[(a)] Assumes that State funds will be available to award construction contracts June-13 and that project does not have to be rebid.

Interdisciplinary Instruction & Research Building 2

Project Description and Justification:
The project would construct a research, instruction and office facility to support new programs in medical research and the health sciences. The facility would include: instruction and research laboratories and laboratory support space; faculty and staff offices and related support space. Some specialized facilities for medical and telemedicine programs would be included.

Approval Delegation	Regental

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$164,650,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$10,000,000
Other	$0
Privatized Development	$0
State	$154,650,000
Total Estimated Budget	**$164,650,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Apr-17
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
100,000	ASF
165,000	GSF
61%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Gateway District

Notes:
[(a)] Assumes that State funds will be available to award construction contract awarded Jul-14 and that project does not have to be rebid.

School of Management

Project Description and Justification:
The project would construct a research, research office and instruction facility to support new programs in the proposed School of Management. The facility would provide space for approximately 30 Management School faculty, and 10 visiting faculty. Additional Management faculty would be based in their home departments because the program is interdisciplinary. Space would be provided for graduate students (shared space); and academic/administrative staff. The space program allocates space for teaching (auditorium, classrooms, case study rooms, seminar room, open class laboratories and classroom support space); academic and administrative space (faculty, teaching assistant, graduate student, staff offices); scholarly activity; and student services (career center, commons, student organizations and support space).

Approval Delegation	Regental

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$65,200,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$65,200,000
Total Estimated Budget	**$65,200,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Apr-17
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
65,000	ASF
100,000	GSF
65%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Gateway District

Notes:
[(a)] Assumes that State funds will be available to award construction contracts Jul-14 and that project does not have to be rebid.

Central Plant Expansion

Project Description and Justification:
This project would expand the Central Plant and provide new equipment for heating, chilling, electrical service, emergency power, data and telecommunications. The project adds space for an increased control room and provides additional space for the new equipment included as part of the project.

Approval Delegation	Campus

Function Category	INFR

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$22,500,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$22,500,000
Total Estimated Budget	**$22,500,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Sep-17
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
North Campus

Notes:
[(a)] Assumes that State funds will be available to award construction contracts Jul-15 and that project does not have to be rebid.

Site Development & Infrastructure Phase 8

Project Description and Justification:
This project would provide the necessary backbone infrastructure, including rough grading, roadways and bridges, hardscaping, landscaping, pedestrian and bicycle paths, lighting, emergency call boxes, drainage, large irrigation, sewer and utilities distribution form major utilities in new neighborhoods of campus not previously developed. Utilities distribution will include: electrical; natural gas; domestic water; sewer; reclaimed water; data/information technology; pumps; and associated new utilities networks that will serve instruction and research facilities

Approval Delegation	Regental

Function Category	INFR

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$40,000,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State [(a)]	$40,000,000
Total Estimated Budget	**$40,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Sep-17
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus East

Notes:
[(a)] Assumes that State funds will be available to award construction contracts June-15 and that project does not have to be rebid.

Classroom & Instructional Technology Building

Project Description and Justification:
This project would construct a multidisciplinary instructional space for undergraduate and graduate students including Teaching Assistants at UC Merced. Academic program space for instructional technology, academic support services, and special academic programs will also be provided. The building will serve three Schools (Social Sciences, Humanities, and Arts; Engineering; and Natural Sciences) by providing new auditorium/lecture hall, classrooms, class laboratories and class laboratory support, faculty office, academic program administrative offices, office support and scholarly activity space

Approval Delegation	Campus

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$42,000,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State [(a)]	$42,000,000
Total Estimated Budget	**$42,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Aug-18
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
40,000	ASF
61,500	GSF
65%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus West

Notes:
[(a)] Assumes that State funds will be available to award construction contracts Jul-16 and that project does not have to be rebid.

Public Safety & Logistics Facility

Project Description and Justification:
This project would construct a facility containing 32,000 asf (50,000 ogsf) that would provide new space public safety and expanded facilities management services, such as police and other life safety functions including a modern dispatch and emergency operations center.

Approval Delegation	Campus

Function Category	Other

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$27,750,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$27,750,000
Total Estimated Budget	**$27,750,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Aug-18
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
32,000	ASF
50,000	GSF
64%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus West

Notes:
[(a)] Assumes that State funds will be available to award construction contracts Jul-16 and that project does not have to be rebid.

Environmental Health & Safety Facility

Project Description and Justification:
The project would provide for a new Environmental Health and Safety Facility with sufficient new space that will be required for handling campus hazardous waste. It will provide sufficient regulated storage space, appropriate laboratory facilities, and improve shipping and handling facilities. The facility would support the campus research program.

Approval Delegation	Campus

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$25,390,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State [(a)]	$25,390,000
Total Estimated Budget	**$25,390,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service	$0
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Jun-21
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
15,000	ASF
27,000	GSF
56%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus East

Notes:
[(a)] Assumes that State funds will be available to award construction contracts Jul-18 and that project does not have to be rebid.

Energy Center

Project Description and Justification:
The project would create a new central utility plant that would be needed to serve the first developments on the expanding east and south portions of the campus. These new areas of campus will provide and additional 1,000,000 – 1,500,000 gross square feet of instruction and research development. The new central utilities plant would provide equipment and a new facility for electrical, emergency power, data/information technology, chilled and hot water, steam generation, natural gas, cooling/evaporative, thermal energy storage, associated pumps/piping/connections and a control room.

Approval Delegation	Campus

Function Category	INFR

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$50,000,000**
(at CCCI 5320, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$0
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	**$50,000,000**
Total Estimated Budget	**$50,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$0
Annual Debt Service (at 6.25% for 30 years))	$0
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	n/a

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy [(a)]	Mar-22
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
25,000	ASF
50,000	GSF
50%	efficiency
n/a	beds (inpatient)
n/a	spaces

Project Site Location
Central Campus East

Notes:
[(a)] Assumes that State funds will be available to award construction contracts Jul-18 and that project does not have to be rebid.

Student Housing Phase 3

Project Description and Justification:
This project would construct Housing Phase 3, providing a minimum of 306 student bed spaces (300 revenue beds) on a campus site near the first two student housing projects in the Campus West Neighborhood. The program includes double occupancy rooms (290 beds – with an ability to triple); ten single occupancy rooms; and six Resident Assistant non-revenue single rooms. In addition to residences, the program will provide space for study and meeting rooms, music practice room, exercise room, open computer laboratory, and active storage. Upon the opening of Housing 4, the active storage space will be converted to a convenience store/café and the storage relocated. This area of campus requires significant site development and infrastructure improvements based on its location, which is part of the scope of work.

Approval Delegation	Campus

Function Category	Housing

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$42,000,000**
(at CCCI 5436, EPI 3049)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$42,000,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$42,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$42,000,000
Annual Debt Service	$3,133,000
(at 6.25% for 30 years)	
Pledge Source	UCHS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Jul-10
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
58,000	ASF
84,100	GSF
69%	efficiency
306	beds
n/a	spaces

Project Site Location
Lake View Neighborhood

Campus Parking Lots G & H

Project Description and Justification:
This project would construct small surface parking lots providing about 650 new parking spaces designated for students, staff, faculty, and visitors consistent with the campus Long Range Development Plan. Safety lights are part of the project scope. The project will be funded from debt financing.

Approval Delegation	Campus

Function Category	Parking

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$1,660,000**
(at CCCI 5438)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$1,660,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$1,660,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$1,660,000
Annual Debt Service	$168,000
(at 5.75% for 15 years)	
Pledge Source	TAPS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Sep-09
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
650	spaces

Project Site Location
Gateway District

Campus Parking Lot I

Project Description and Justification:
This new surface parking lot would be located south and east area of the campus pump station and would provide about 460 parking spaces designated for students, staff, faculty, and visitors consistent with the campus Long Range Development Plan.

Approval Delegation	Campus

Function Category	Parking

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$1,400,000**
(at CCCI 5601)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$1,400,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$1,400,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$1,400,000
Annual Debt Service	$142,000
(at 5.75% for 15 years)	
Pledge Source	TAPS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-10
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
460	spaces

Project Site Location
Gateway District

Notes:

Multi-Purpose Recreation Field

Project Description and Justification:
The Multi-Purpose Recreation Field would install competition soccer field that can be used for multiple purposes. The project will include the provision for artificial turf and associated site work and site utilities. The project will provide lighting, fencing, signage and a drinking fountain. Restrooms, bleachers, a scoreboard, a public address system, a small sports equipment structure and additional landscaping might be added later depending upon funding availability.

Approval Delegation	Campus

Function Category	STDN

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$5,500,000**
(at CCCI 5768)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$4,500,000
Federal	$0
Gift	$1,000,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$5,500,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$4,500,000
Annual Debt Service	$336,000
(at 6.25% for 30 years)	
Pledge Source	Student Rec Fees
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$1,000,000
Total	**$1,000,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-11
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Gateway District

Joseph Edward Gallo Recreation and Wellness Center Expansion

Project Description and Justification:
The Joseph Edward Gallo Recreation and Wellness Center is one of the most utilized facilities on campus. Demand regularly exceeds capacity at peak times during the day and evening. The expansion project would provide additional sports instruction rooms, gymnasium space, a larger cardio/workout room, equipment storage, and a climbing wall. There would be additional office space provided for recreation, outdoor programs, athletics, and health services professionals.

Approval Delegation	Campus

Function Category	STDN

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$17,100,000**
(at CCCI 5942, EPI 3333)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$15,100,000
Federal	$0
Gift	$2,000,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$17,100,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$15,100,000
Annual Debt Service	$1,127,000
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$3,000,000
Total	**$3,000,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-12
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
30,000	ASF
42,900	GSF
70%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Lake View Neighborhood

Campus Parking Lot J

Project Description and Justification:
This new surface parking lot would provide about 475 parking spaces designated for students, staff, faculty, and visitors consistent with the campus Long Range Development Plan. Landscaping, underground utilities, site development and safety lights would be needed in conjunction with the project.

Approval Delegation	Campus

Function Category	Parking

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$2,100,000**
(at CCCI 5942)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$2,100,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$2,100,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$2,100,000
Annual Debt Service	$213,000
(at 5.75% for 15 years)	
Pledge Source	TAPS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-12
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
475	spaces

Project Site Location
North Campus

West Campus Site Development & Infrastructure

Project Description and Justification:
The project is required to support new Non-State programs as well as, some administrative and institutional support functions such as conferences/special events, alumni and visitor relations. This project will complete the site development and buried utilities serving the west neighborhood which is predominantly dedicated to these programs. The project scope includes: rough and finish grading; drainage; provision of major roadways, pedestrian and bicycle paths; hardscape and landscaping; lighting; and security boxes. Completion of utilities distribution and infrastructure includes work such as: buried electrical; data/information technology; natural gas; domestic water and sewer; reclaimed water and irrigations systems; and pump/lift station(s).

Approval Delegation	Campus

Function Category	Infrastructure

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$11,940,000**
(at CCCI 6120)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$11,940,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$11,940,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$11,940,000
Annual Debt Service	$891,000
(at 6.25% for 30 years)	
Pledge Source	Campus Funds
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Sep-13
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Lake View Neighborhood

West Neighborhood Dining Facility

Project Description and Justification:
This new dining facility would provide new kitchen, servery, and indoor seating to accommodate 300. The project will be sited proximate to Housing 5 in the Campus West Neighborhood. The project may include a small amount of related student support space such as commons and private dining space.

Approval Delegation	Campus

Function Category	STDN

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$11,500,000**
(at CCCI 6120)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$11,500,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$11,500,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$11,500,000
Annual Debt Service	$858,000
(at 6.25% for 30 years)	
Pledge Source	Campus Dining
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Sep-13
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
10,400	ASF
16,000	GSF
65%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Lake View Neighborhood

Student Housing Phase 4

Project Description and Justification:
This project would provide about 350 student beds and one live-on staff apartment on a campus site near Student Housing Phase 3 in the Campus West Neighborhood. The program includes double occupancy rooms - with the ability to triple. The program would be primarily student residences, to support the campus enrollment targets outlined in the Long Range Enrollment Plan.

Approval Delegation	Campus

Function Category	Housing

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$48,700,000**
(at CCCI 6304, EPI 3536	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$48,700,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$48,700,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$48,700,000
Annual Debt Service	$3,633,000
(at 6.25% for 30 years)	
Pledge Source	UCHS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
58,000	ASF
84,100	GSF
69%	efficiency
350	beds
n/a	spaces

Project Site Location
Central Campus West

Campus Parking Lot K

Project Description and Justification:
This new surface parking lot would provide about 380 parking spaces designated for students, staff, faculty, and visitors consistent with the campus Long Range Development Plan. Landscaping and safety lights are part of the project scope.

Approval Delegation	Campus

Function Category	Parking

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$1,200,000**
(at CCCI 6120)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$1,200,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$1,200,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$1,200,000
Annual Debt Service	$122,000
(at 5.75% for 15 years)	
Pledge Source	TAPS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-13
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
380	spaces

Project Site Location
Central Campus East

Student Union

Project Description and Justification:
The building would accommodate a variety of student programs and services including: Office of Student Life; Student Government Offices; Cultural Center; Learning Center; Bookstore; Convenience Store; food services (at least 5 vendors); meeting rooms and lounges; student spaces; copy center; ticket/events office; specialized computer lab; ballroom that can be divided; and a bank or credit union. The building would require a loading dock that could support the retail operations, bookstore and large events.

Approval Delegation	Campus

Function Category	STDN

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$44,900,000**
(at CCCI 6493, EPI 3641)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$40,900,000
Federal	$0
Gift	$4,000,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$44,900,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$40,900,000
Annual Debt Service	$3,051,000
(at 6.25% for 30 years)	
Pledge Source	Student Fees
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$4,000,000
Total	**$4,000,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-15
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
50,000	ASF
77,000	GSF
65%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus West

South Campus Site Development & Infrastructure

Project Description and Justification:
South Campus Site Development Infrastructure improvements for non-State operations and auxiliaries would be required to support new programs such as housing, dining, parking, recreation and early education and child care. This project would build out a new district and the scope would include site development and buried utilities serving the neighborhood dedicated to these programs. The project scope includes: rough and finish grading; drainage; provision of major roadways, pedestrian and bicycle paths; hardscape and landscaping; lighting; and safety-call boxes. Completion of utilities distribution and infrastructure includes work such as: buried electrical; data/information technology; natural gas; domestic water and sewer; reclaimed water and irrigations systems.

Approval Delegation	Regental

Function Category	Infrastructure

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$25,000,000**
(at CCCI 6493)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$25,000,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$25,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$25,000,000
Annual Debt Service	$1,865,000
(at 6.25% for 30 years)	
Pledge Source	Campus Funds
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Jun-15
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
58,800	ASF
98,622	GSF
60%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus West

Organized Research Building

Project Description and Justification:
The project would provide space to accommodate full-time UC Merced researchers engaged in organized research such biomedical and systems biology. The planned facility would likely include space for research laboratories, research lab support, core (shared) research laboratories, research offices (principal investigators, post docs, graduate students) and a small amount of space for a Director, administrative offices/office support and a conference or colloquia room.

Approval Delegation	Regental

Function Category	I&R

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$83,300,000**
(at CCCI 6889, EPI 3864)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$73,300,000
Federal	$0
Gift	$10,000,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$83,300,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$73,300,000
Annual Debt Service	$5,468,000
(at 6.25% for 30 years)	
Pledge Source	Garamendi Funds
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$10,000,000
Total	**$10,000,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Jun-17
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
50,000	ASF
91,000	GSF
55%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Gateway District

Campus Parking Lot L

Project Description and Justification:
This new surface parking lot near the campus periphery would provide approximately 340 additional parking spaces designated for students, staff, faculty, and visitors. Safety lights are part of the project scope.

Approval Delegation	Campus

Function Category	Parking

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$1,100,000**
(at CCCI 6304)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$1,100,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$1,100,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$1,100,000
Annual Debt Service	$111,000
(at 5.75% for 15 years)	
Pledge Source	TAPS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
340	spaces

Project Site Location
Gateway District

Student Aquatics Center

Project Description and Justification:
This project would accommodate swimming and other water activities for UC Merced students. The facility builds space for these aquatics activities along with lockers, showers, toilets, administrative space, reception, team meeting area, and spectator seating.

Approval Delegation	Campus

Function Category	STDN

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$15,000,000**
(at CCCI 6493, EPI 3641)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$13,000,000
Federal	$0
Gift	$2,000,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$15,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$13,000,000
Annual Debt Service	$970,000
(at 6.25% for 30 years)	
Pledge Source	Student Rec Fees
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$2,000,000
Total	**$2,000,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-15
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Lake View Neighborhood

Campus Parking Lot M

Project Description and Justification:
This new surface parking lot near the campus periphery would provide approximately 430 new parking spaces designated for students, staff, faculty, and visitors. Safety lights are part of the project scope.

Approval Delegation	Campus

Function Category	Parking

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$1,500,000**
(at CCCI 6493)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$1,500,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$1,500,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$1,500,000
Annual Debt Service	$152,000
(at 5.75% for 15 years)	
Pledge Source	TAPS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Jun-15
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
430	spaces

Project Site Location
Gateway District

Notes:

Student Housing Phase 5

Project Description and Justification:
This project would construct Housing Phase 5, providing about 500 revenue beds on a campus site near Student Housing Phase 3 in the Campus South Neighborhood. The program includes single occupancy rooms, primarily suite style, to accommodate upper-division students, and a few apartments intended for international and emancipated students requiring housing during the break periods. The program would include student residences and related program space.

Approval Delegation	Regental

Function Category	HOUS

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$71,500,000**
(at CCCI 6688, 3751)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$71,500,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$71,500,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$71,500,000
Annual Debt Service	$5,334,000
(at 6.25% for 30 years)	
Pledge Source	UCHS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-16
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
100,000	ASF
155,000	GSF
65%	efficiency
500	beds
n/a	spaces

Project Site Location
Central Campus West

North Campus Infrastructure

Project Description and Justification:
North Campus Site Development Infrastructure improvements for non-State operations and auxiliaries would be required to support new programs that are part of housing, dining, parking, and recreation. This project would complete the site development and buried utilities serving a new neighborhood dedicated to these programs. The project scope would include work such as: finish grading; site drainage; pedestrian and bicycle paths; hardscape and landscaping; lighting; and security boxes; buried utilities (electrical; data/information technology; natural gas; domestic water and sewer; reclaimed water and irrigations systems); and pump/lift station(s).

Approval Delegation	Campus

Function Category	Infrastructure

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$12,000,000**
(at CCCI 6493)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$12,000,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$12,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$12,000,000
Annual Debt Service	$895,000
(at 6.25% for 30 years)	
Pledge Source	Campus Funds
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-15
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
North Neighborhood

Tennis Courts

Project Description and Justification:
This project would include ten lighted tennis courts, spectator seating, storage, restrooms and lights. The courts would accommodate both intercollegiate play and recreational play for UC Merced students.

Approval Delegation	Campus

Function Category	STDN

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$1,000,000**
(at CCCI 5948, EPI 2894)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$750,000
Federal	$0
Gift	$250,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$1,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$750,000
Annual Debt Service	$76,000
(at 5.75% for 15 years)	
Pledge Source	Rec Fees
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$250,000
Total	**$250,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus West

Notes:

Baseball & Softball Competition Field Complex

Project Description and Justification:
This outdoor area and complex would encompass competitive venues for both baseball and softball intercollegiate programs. The project will include playing areas that meet current NCAA standards (with lights) with needed spectator and support facilities (restrooms, press box, seating, concessions and storage).

Approval Delegation	Campus

Function Category	STDN

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$11,000,000**
(at CCCI 6304)	

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$9,000,000
Federal	$0
Gift	$2,000,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$11,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$9,000,000
Annual Debt Service	$671,000
(at 6.25% for 30 years)	
Pledge Source	Rec Fees
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$2,000,000
Total	**$2,000,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus West

Outdoor Basketball Courts

Project Description and Justification:
This facility would include 4 recreation size (50' x 75') basketball courts on an asphalt surface. Drinking fountain and court lighting would also be included in this project.

Approval Delegation	Campus

Function Category	STDN

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$500,000**
(at CCCI 6304)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$450,000
Federal	$0
Gift	$50,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$500,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$450,000
Annual Debt Service	$46,000
(at 5.75% for 15 years)	
Pledge Source	Rec Fees
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$50,000
Total	**$50,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-14
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
n/a	spaces

Project Site Location
Central Campus West

Administration Building and Alumni/Visitor's Center

Project Description and Justification:
This facility would accommodate multiple uses including space for general administration, conferences, and an alumni-visitor center is planned. The project would allow consolidation of off-campus leases and provision of new space for conferences, alumni and visitors. The project would be funded from debt financing, campus funds and gifts.

Approval Delegation	Campus

Function Category	OTHER

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$37,550,000**
(at CCCI 6889, 3864)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$33,550,000
Federal	$0
Gift	$4,000,000
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$37,550,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$33,550,000
Annual Debt Service	$2,503,000
(at 6.25% for 30 years)	
Pledge Source	Auxiliary Income
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$4,000,000
Total	**$4,000,000**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-17
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
40,000	ASF
59,000	GSF
68%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Gateway District

Campus Parking Lot N

Project Description and Justification:
This new parking lot would provide approximately 1,100 parking spaces designated for students, staff, faculty, and visitors consistent with the campus Long Range Development Plan. Landscaping and safety lights are part of the project scope.

Approval Delegation	Campus

Function Category	Parking

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$4,000,000**
(at CCCI 6688)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$4,000,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$4,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$4,000,000
Annual Debt Service	$405,000
(at 5.75% for 15 years)	
Pledge Source	TAPS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-16
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
1100	spaces

Project Site Location
North Neighborhood

Early Childhood Education Center 2

Project Description and Justification:
This facility would accommodate a 125 – 150 children (infants, toddlers and pre-school age). The project would contain classrooms, offices, observation and support space and associated outdoor play space.

Approval Delegation	Campus [a]

Function Category	HOUS

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$12,500,000**
(at CCCI 6889, 3864)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	**$12,500,000**
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$12,500,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$12,500,000
Annual Debt Service	$933,000
(at 6.25% for 30 years)	
Pledge Source	n/a
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-17
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
9,000	ASF
13,000	GSF
69%	efficiency
n/a	beds
n/a	spaces

Project Site Location
Gateway District

Student Housing Phase 6

Project Description and Justification:
This project would construct Housing Phase 6, providing a minimum of 500 revenue beds on a campus site near Student Housing Phase 3 in the Campus East Neighborhood. The program includes some single room apartments. The program would also include student residences and related program space.

Approval Delegation	Regental

Function Category	Housing

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$79,000,000**
(at CCCI 7308, EPI 4099)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$79,000,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$79,000,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$79,000,000
Annual Debt Service	$5,894,000
(at 6.25% for 30 years)	
Pledge Source	UCHS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-19
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
100,000	ASF
155,000	GSF
65%	efficiency
500	beds
n/a	spaces

Project Site Location
Central Campus West

Campus Parking Lot O

Project Description and Justification:
This new parking lot would provide an additional 1,000 parking spaces designated for students, staff, faculty, and visitors consistent with the campus Long Range Development Plan. Landscaping and safety lights are part of the project scope.

Approval Delegation	Campus

Function Category	Parking

Seismic / Life Safety	No

2008-09 to 2017-18 CIP	
Total Estimated Budget	**$4,200,000**
(at CCCI 6889)	
Escalation Factor	1.000

Summary of Projected Budget and Funding	
Source	Amount
Campus Funds	$0
Capital Reserves	$0
External Financing	$4,200,000
Federal	$0
Gift	$0
Other	$0
Privatized Development	$0
State	$0
Total Estimated Budget	**$4,200,000**

Financing Feasibility	
Standby Financing	$0
Interim Financing	$0
Long-Term Financing	$4,200,000
Annual Debt Service	$425,000
(at 5.75% for 15 years)	
Pledge Source	TAPS
Opportunity/Ed Fund Test	n/a
Debt Service Coverage Ratio	1.25x

Gift Schedule	
Gifts Pledged	$0
Gifts to be Raised	$0
Total	**$0**

Project Milestone	
Activity	Mos-Yr
Occupancy	Aug-17
Acquisition Date	n/a
Ground Lease Contract	n/a

Scope Summary	
Amount	Unit
n/a	ASF
n/a	GSF
n/a	efficiency
n/a	beds
1,000	spaces

Project Site Location
Central Campus West

University of California, Merced
P.O. Box 2039
Merced, CA 95344

www.ucmerced.edu