Update for Community Groups – July 2010

Please note the underlined text in the electronic version of this update contains active links that provide additional information on the subject matter.

Summer session at UC San Diego extends from June 28th through September 17th, 2010.

PROJECTS

Location of instructional and research facilities, as well as necessary campus support facilities, such as housing and parking, is directed by UCSD’s Long Range Development Plan (LRDP), which is prepared in response to campus enrollment and population projections. Available on the Community Planning website at http://commplan.ucsd.edu/UCSDprojects.htm is the Capital Improvements Status Map which is an interactive map where each project link leads to a detailed project information sheet.

PROJECTS UNDER CONSTRUCTION — EAST CAMPUS
Sulpizio Cardiovascular Center — 128,000 square foot building with anticipated completion in March 2011.
A state-of-the-art facility in heart and vascular disease, and stroke management.

PROJECTS UNDER CONSTRUCTION — WEST CAMPUS
Sanford Consortium for Regenerative Medicine (SCRM) — 145,000 gross square feet (GSF), ground lease project with anticipated completion in December 2011. SCRM, a 501(c)3 non-profit, public benefit corporation is formed by the Sanford-Burnham Institute for Medical Research, the Salk Institute for Biological Studies, The Scripps Research Institute, and UC San Diego. The facility will serve as a hub of innovative multidisciplinary, basic, translational, and preclinical research programs, and outreach programs that will advance stem cell research and education.
Southwest Fisheries Science Center (SWFSC) — 124,000 GSF, ground lease project with anticipated completion in December 2011. The project is developed by the National Oceanic and Atmospheric Administration (NOAA). The facility will provide safe and modern accommodations for SWFSC and support the research collaborations between SIO and SWFSC.
Structural Materials and Engineering Building — 169,000 GSF of instruction and research space for the Department of Structural Engineering and Department of Visual Arts. The facility with anticipated completion in August 2012 will merge the areas of advanced materials testing with scientific visualization.

Student housing projects with anticipated completion in 2011: Health Sciences Graduate Housing - 452 beds, North Campus Housing Phase 2 - 806 beds, Revelle College Apartments - 510 beds and Muir College Apartments - 275 beds.

Telemedicine and Prime HEq Facility — 92,000 GSF with anticipated completion in September 2011. The project accommodates a new program in Medical Education and supports a major new telemedicine initiative to improve health care access to medically underserved populations and other “at risk” populations.

NEWS

UCSD COMMUNITY PLANNING NEWSLETTER AND WEBSITE INFORMATION
The Spring 2010 issue of the newsletter with a focus on Health Sciences, together with project information sheets and an interactive map of campus projects is available on the UCSD Community Planning website http://commplan.ucsd.edu. Visit the website to learn more about campus development with accompanying information on specific projects.

UCSD NEWS
For UCSD News see http://ucsdnews.ucsd.edu/
PREUSS SCHOOL UCSD ONE OF AMERICA’S BEST HIGH SCHOOLS

Newsweek in its latest rankings has named The Preuss School at UC San Diego among the top high schools in the nation. The school is listed in the elite top 20 category for doing an excellent job of preparing students for college-level coursework and exceptionally educating low-income students who will become the first in their families to graduate from college. The Preuss School at UC San Diego comes in at 16th place among more than 1,600 public high schools in the nation and has been the only high school in California to make the top 20 for the past four years.

The Preuss School, jointly chartered by the San Diego Unified School District and UC San Diego, is a middle and high school dedicated to providing intensive college preparation for motivated low-income students who will represent the first generation in their families to graduate from college.

Newsweek noted, “… above all, The Preuss School provides an environment in which students are continually encouraged and empowered to develop a greater sense of confidence and self-worth through self-sufficiency and a sense of pride in their academic accomplishments. The School fosters a culture of high academic performance in an environment that encourages risk-taking.”

On July 1, 2010, The Preuss School will be celebrating its seventh commencement ceremony and continues its record of having more than 90 percent of Preuss graduates being admitted to a four-year college or university over the past seven years.

Opened in 1999, The Preuss School UCSD consistently receives national and statewide accolades. In the most recent “America’s Best High Schools” report by U.S. News and World Report, Preuss was in the gold category ranked 32 in the nation out of 21,786 high schools surveyed. The top schools were placed into gold, silver, bronze or honorable mention categories.

With 820 students in grades 6-12, Preuss has a record high Academic Performance Index Score (API) of 894, which is one of the highest in the county. For more information on The Preuss School UCSD, visit http://preuss.ucsd.edu

UC SAN DIEGO WINS ENVIRONMENTAL PROTECTION AGENCY 2010 AWARD

The U.S. Environmental Protection Agency (EPA) on June 15 gave UC San Diego a 2010 Energy Star CHP Award for its high efficiency, low-emission combined heat and power (CHP) plant that provides 85 percent of the campus’ annual electricity needs. “This EPA award is a validation of UC San Diego’s strategy to use the latest technology to cut campus energy costs and reduce our emissions of greenhouse gases,” said Gary Matthews, vice chancellor of Resource Management and Planning. “It takes more than the latest technology to win such a great award and we couldn’t have won this honor without the talented, dedicated team that operates and manages our cogeneration plant.”

The university’s natural-gas-fired CHP plant is called a cogeneration plant because it generates electricity to run lights and equipment and captures the waste heat to produce steam for heating, ventilation and air conditioning of much of the 12.5 million gross square feet of campus buildings. The air-conditioning component includes a 3.8 million gallon storage tank that is filled at night with cold water and used during the warmest times of the day to cool campus buildings.

With a net operating efficiency of 66 percent, UC San Diego’s CHP plant requires about 26 percent less fuel than a system composed of typical onsite thermal generation and purchased electricity, saving the university $670,000 per month in energy costs.

The cogeneration plant’s control room has taken on a new role as the hub of a smart microgrid, managing the cogeneration plant and 1.2 megawatts of photovoltaic solar capacity. With a $2 million grant from the U.S. Department of Energy, UC San Diego is currently installing the world’s first microgrid master controller and related optimizer application. When fully operational, the Smart Grid will function as a virtual power plant, scheduling energy self-generation, electricity imports and electric and thermal storage while factoring in the demand load and the variable price of electricity to buy or sell.

“Of greatest significance is the fact that our cogeneration plant has been operating at these ‘best practice’ levels for more than nine years, which serves as another testament to the university’s leadership role in sustainability,” said Byron Washom, UC San Diego’s director of strategic energy initiatives.