

University of California, Merced Newest campus in UC System



University of California, Berkeley First Graduating Class, 1873



University of California, Merced First Graduating Class, 2009

Berkeley OF CALFORNA	UCSF	UCLA	UCSB	UCDAVIS UNIVERSITY OF CALIFORNIA	UCRIVERSIDE	UC San Diego	UCIRVINE	SANTA CRUZ	UCMERCED
1869	1873	1919	1944	1959	1959	1964	1965	1965	2005

Context The San Joaquin Valley

- 4 million people today
 9% of California's Population
- 9.4 million people by 2050
 19% of California's population
- Driven by birth rates and immigration
- California's fastest growing region



Source: Demographic Research Unit, California Department of Finance. State and County Population Projections by County, by Race/Ethinicity and by Major Age Groups, 2010-2060.

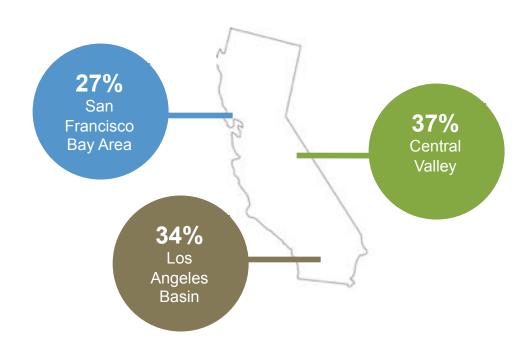
Regional Vicinity Five miles from Downtown Merced



University of California, Merced A Higher Education Success Story

62% of undergraduates are the first in their families to attend a four-year university

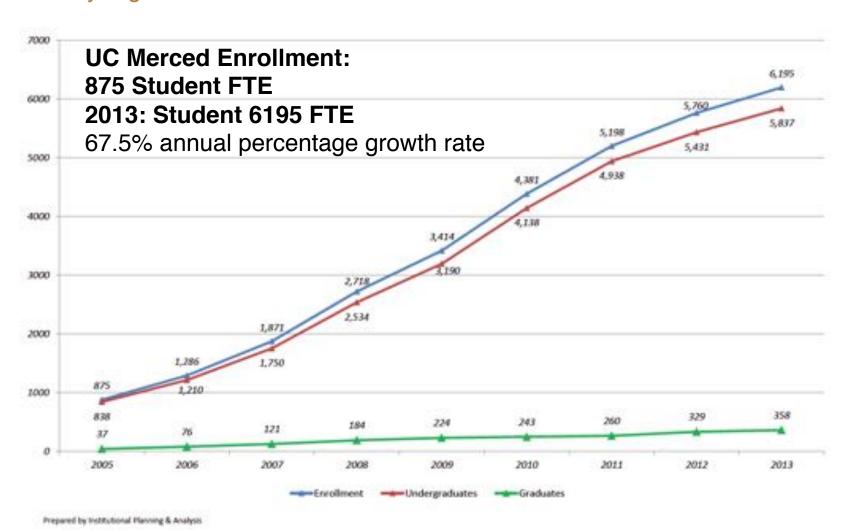
Top Regions of Origin for UC Merced Undergraduates



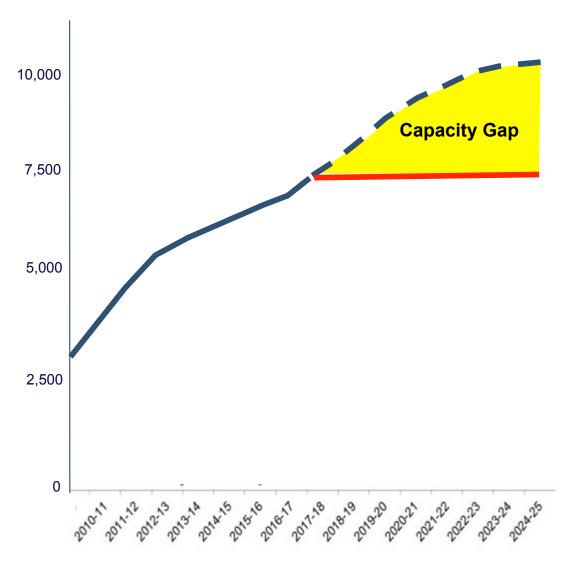
Sources: UC Merced Institutional Planning and Analysis (2013)

UC Merced is the fastest growing campus

UC Merced's role is to provide the system with the space, curriculum and faculty necessary to meet the system's obligation to provide affordable access to every eligible Californian



The Enrollment Challenge Strong Demand, Limited Space







Source: UC Merced Long Range Enrollment Plan

Purpose of the 2020 Project Ensuring Access and Affordability for the System





17,400
Applications
received for 1,600
undergraduate spots
for 2014-15 year

UC Merced's Growth Challenge Academic Success of First Generation Students is tied to on-campus housing



Move in day, 2013

- More than 60% of UC Merced undergraduates are first generation students
- First-generation students have a higher probability of graduating if they live on campus, at a minimum, in the first year

Current Situation

- Students are tripled in double rooms
- Only 29% of undergraduates live on campus

Goal

Increase on-campus housing to at least house first-year undergraduates

UC Merced's Growth Challenge Infrastructure from first phase is at its limits



The campus needs to expand horizontally and vertically

UC Merced's Growth Challenge Parking is at capacity



Parking lots occupy developable land

To build another building in the first phase footprint, campus would have to sacrifice existing (insufficient) parking facilities



Parking is inadequate

Students are illegally parking across the street from the campus on private land and crossing a major county road to reach campus

Planning for UC Merced's growth 2009 Long Range Development Plan



- UC Merced's original Long Range Development Plan ("LRDP") envisioned phased growth
- Original Phase 2: 10,000 students on a 355 acre site

Planning for UC Merced's growth 2013 Long Range Development Amendment



 Financial crisis caused California to terminate capital support to UC

Updated Goals

- Reduced developed area for next phase of campus based on new economic reality
- Recruit faculty with strong research credentials to provide an excellent education to UC Merced students and cement UC Merced's standing as a UC research university

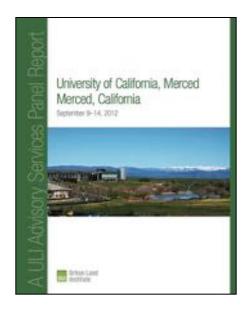
Source: 2013 UC Merced Long Range Development Plan Amendment

2013 LRDP Amendment defined the site 219 acres, Owned by Regents and EIR approved

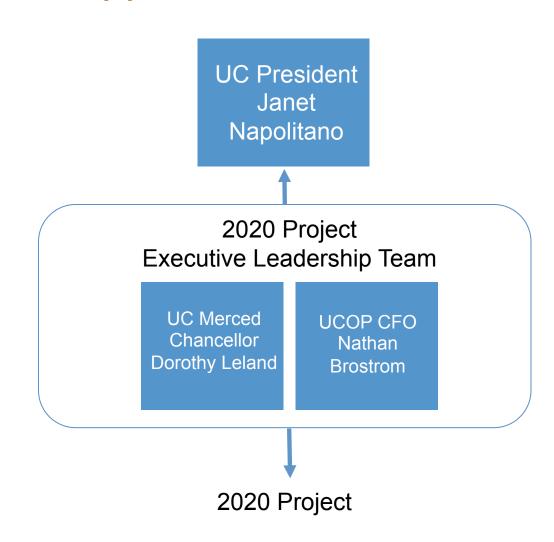


2020 Project Launched in 2013 A thoughtful, system supported initiative





Expert Panel provided recommendations in 2012



2020 Project Core Objective A mixed-use, collaborative and sustainable campus to accommodate 10,000 students





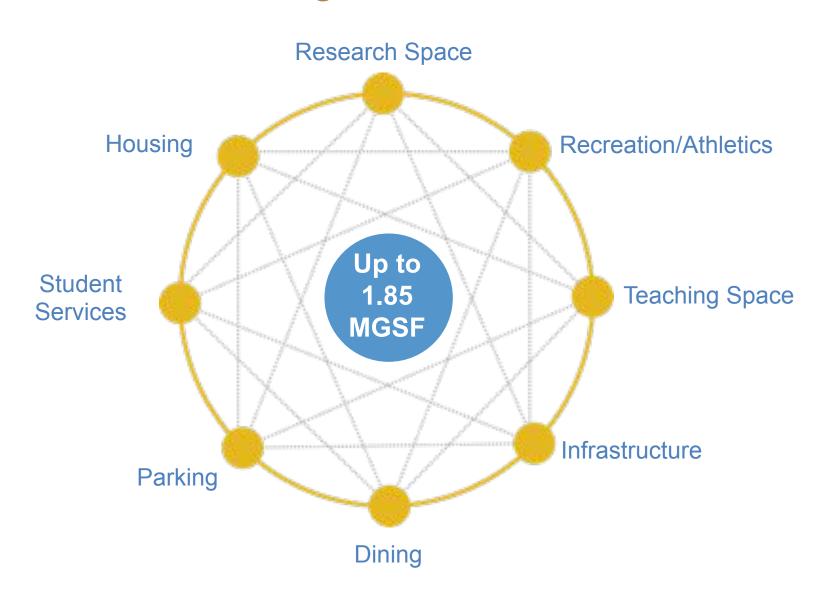








2020 Project Program is under development Mixed Use and Aligned with Enrollment Plan





Long Range Enrollment Plan (LREP) A tool to project faculty, student and administrative growth

Year	Undergraduate FTE	Graduate FTE
2013-14	5726	375
2014-15	5659	475
2015-16	5877	568
2016-17	6291	659
2017-18	6733	747
2018-19	7356	847
2019-20	8071	937
2020-21	8662	1034

Challenges during Process

Stakeholder Coordination

Getting everyone at the table during summer timeframe

Competing Goals

 (e.g. Chancellor's 10% Goal for Graduate Students vs. UCOP Target of 12%)

Enrollment Projection Uncertainty

LREP Process occurred during earliest stages of 2020 Project

Source: LREP, Fall FTE

Space Planning and Program CPEC used as a proxy



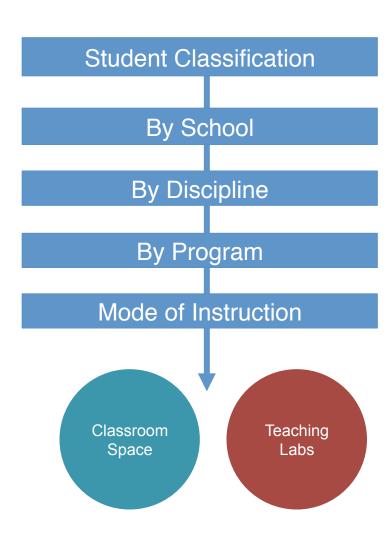
CPEC was used as a proxy to develop an overall space requirement

- But, CPEC is more than 25 years old, and does not necessarily reflect current actual space allocations on UC campuses
- Laboratories and mixed use space have evolved greatly since CPEC was created

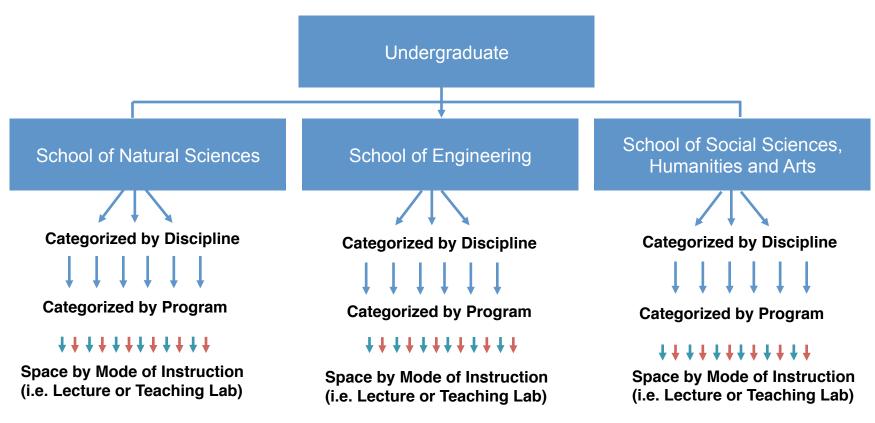
Categories of Space



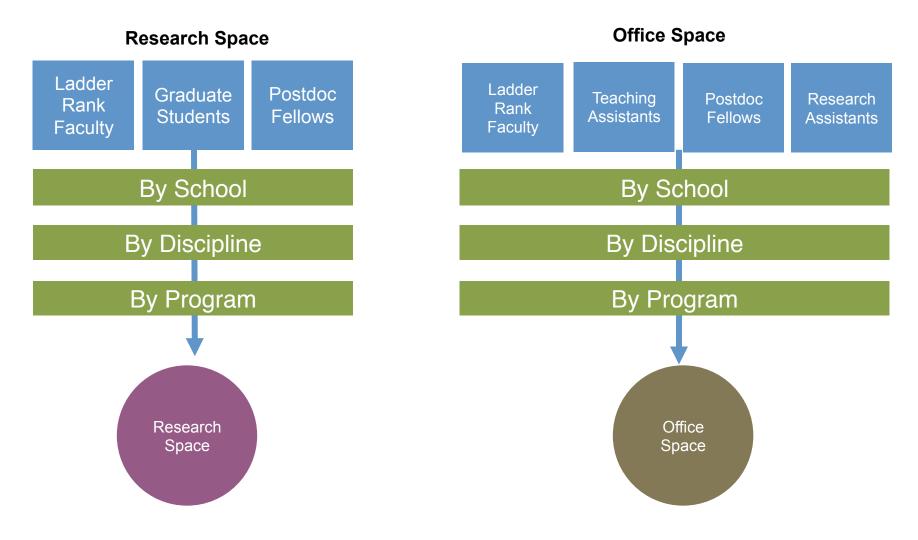
Overview of our Process Classroom Space and Teaching Labs



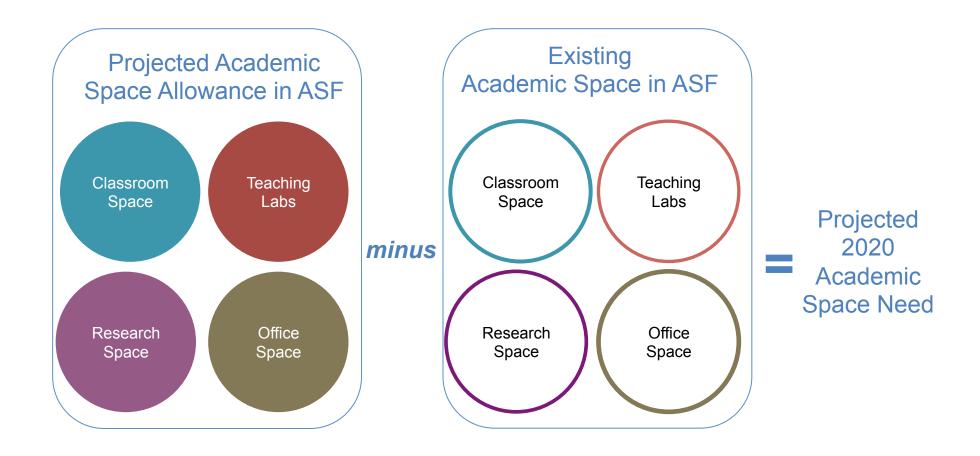
Space Planning and Program An undergraduate example: Classroom and Teaching Labs



Space Planning and Program Research Space and Office Space



Space Planning and Program Summary



Space based on Stakeholder Requests 2020 Project Program still being refined

Category	GSF Estimate as of April 2014		
Academic Space	802,000		
Housing and Dining	639,500		
Academic Support	242,000		
Recreation and Athletics	160,000		
TOTAL	1,843,500 GSF		





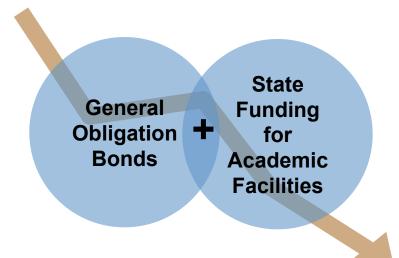
Source: UCM 2020 RFQ

The Challenge How to fund UC Merced's growth

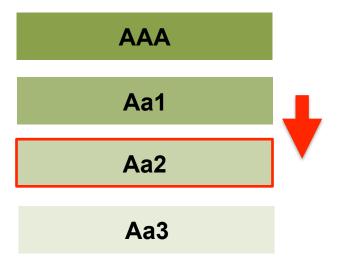


The Funding Challenge Decline in State Support and Bond Ratings

The traditional funding method of general obligation bonds plus state funds is almost completely eliminated



The UC system's general revenue bond rating was recently downgraded from Aa1 to Aa2



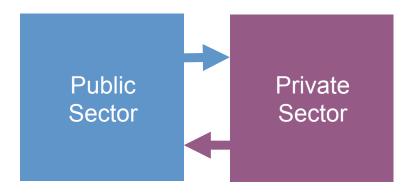
A large increase in debt could put further pressure on UC's bond rating

Source: Moody's Investors Service, March 2014



Post-2008 Public Sector Capacity to issue bonds for large infrastructure projects severely curtailed

As a result, the Public Sector is partnering with multinational private sector developers for these projects



Potential Partnership Benefits

Private Sector Efficiency and Innovation

Large Developers can bring equity and credit capacity to the transaction

Large Developers Can bring world-class experts to the project

Public-Private Partnership Pioneers Transportation Infrastructure

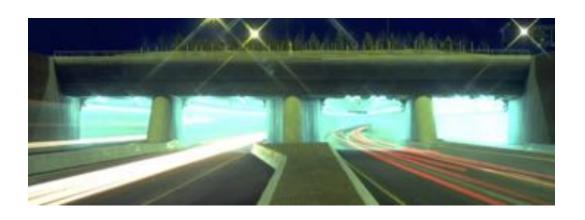


Goethels Bridge Replacement New York/New Jersey Opens 2018



Presidio Parkway
San Francisco, California
Opens 2016

Elizabeth River Tunnels
Portsmouth, Virginia
Opens 2016



The newest application of P3 Social Infrastructure

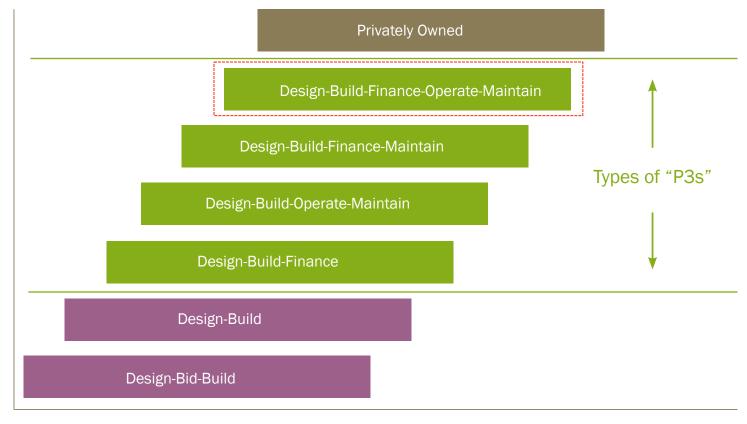


George Deukmejian Courthouse Long Beach, California Opened 2013



Public-Private Partnerships Multiple types exist

Degree of Private Sector Ricsk



Degree of Private Sector Involvement

Potential Structure Design, Build, Finance Operate, Maintain ("DBFOM") Contract

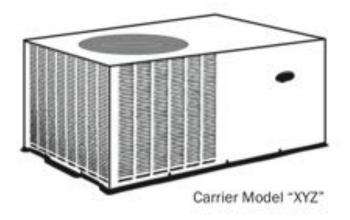


- Long term relationship between University and private sector partner
- Based on agreed upon performance standards
- Tied to "availability" and "milestone" payments
- Buildings are solely owned by University at end of contract term

Traditional Structure vs. P3 Structure P3 uses a Performance Based Contract

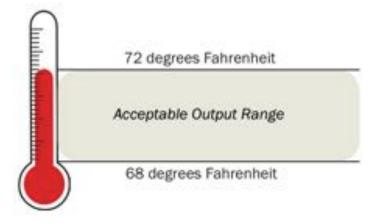
Inputs in a Traditional Procurement

"Cooling to the building must be provided by Carrier Model "XYZ" heat pump with a cooling capacity of "ZZ" tons."

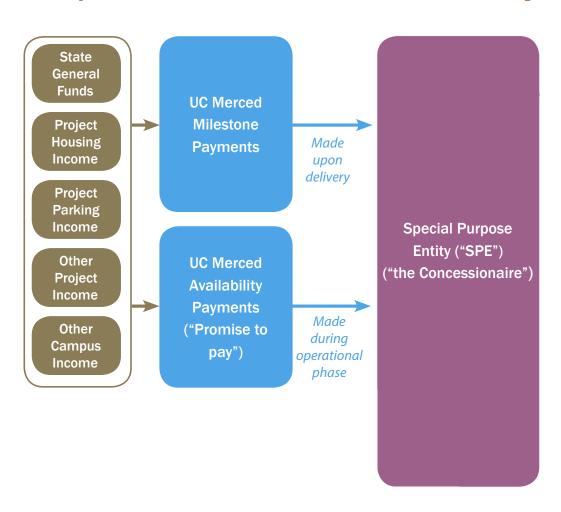


Outputs in a Public-Private Partnership Procurement

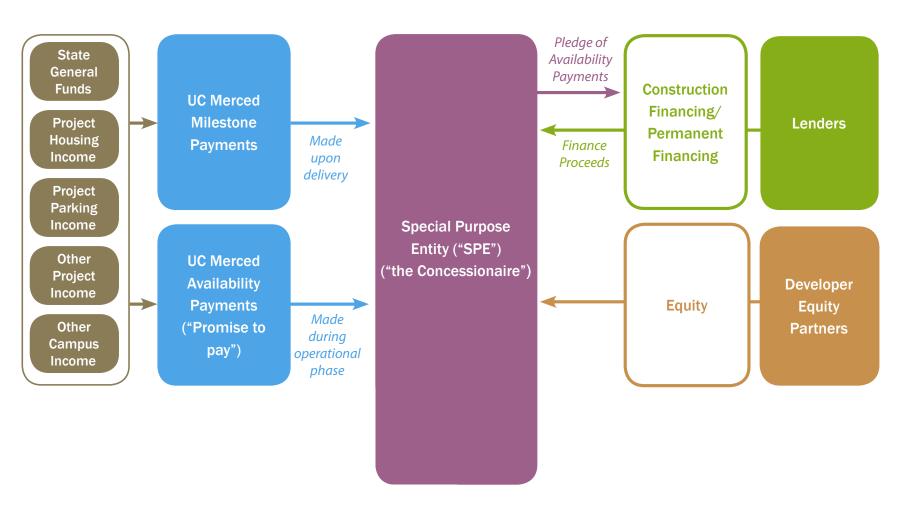
"The temperature of the occupied portions of the building shall not be lower than 68 degrees Fahrenheit and not higher than 72 degrees Fahrenheit, 97% of the time that the building is open to occupants."



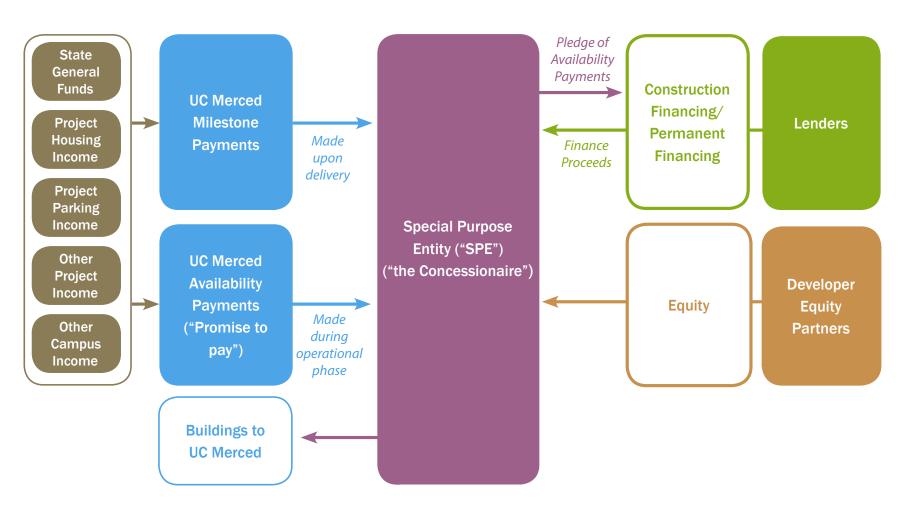
P3 Availability Payment Structure Step 1: UC Promises to Pay



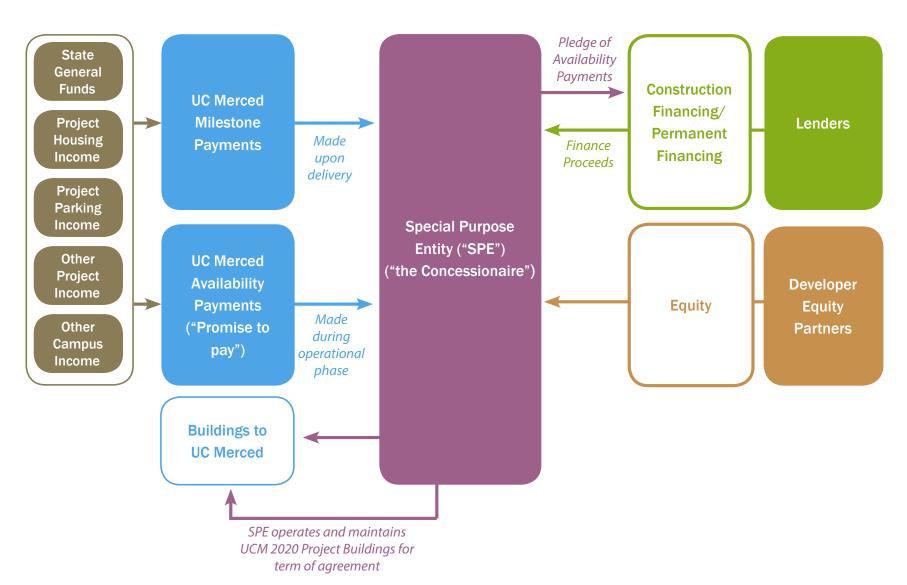
P3 Availability Payment Structure Step 2: SPE uses promise to secure financing



P3 Availability Payment Structure Step 3: SPE Delivers Buildings to UC



P3 Availability Payment Structure Step 4: SPE operates and maintains buildings



Who's involved 2020 Project Advisory Team





Real Estate





Infrastructure





Design and Program









Financial Advisor

Legal

The Process Request For Qualifications followed by Request for Proposals

Request for Qualifications (RFQ)
Released in April 2014
Submissions received July 28, 2014



Request for Proposals (RFP) 1ST Quarter 2015 Release

SelectionFourth Quarter 2015

Regents Approval

National and international marketing effort conducted to identify teams with expertise in:

- Finance
- Master Planning
- Architecture
- · Construction Management

Proposers Selected Fourth Quarter 2014 Chosen by Chancellor and UCOP CFO based on review of proposals

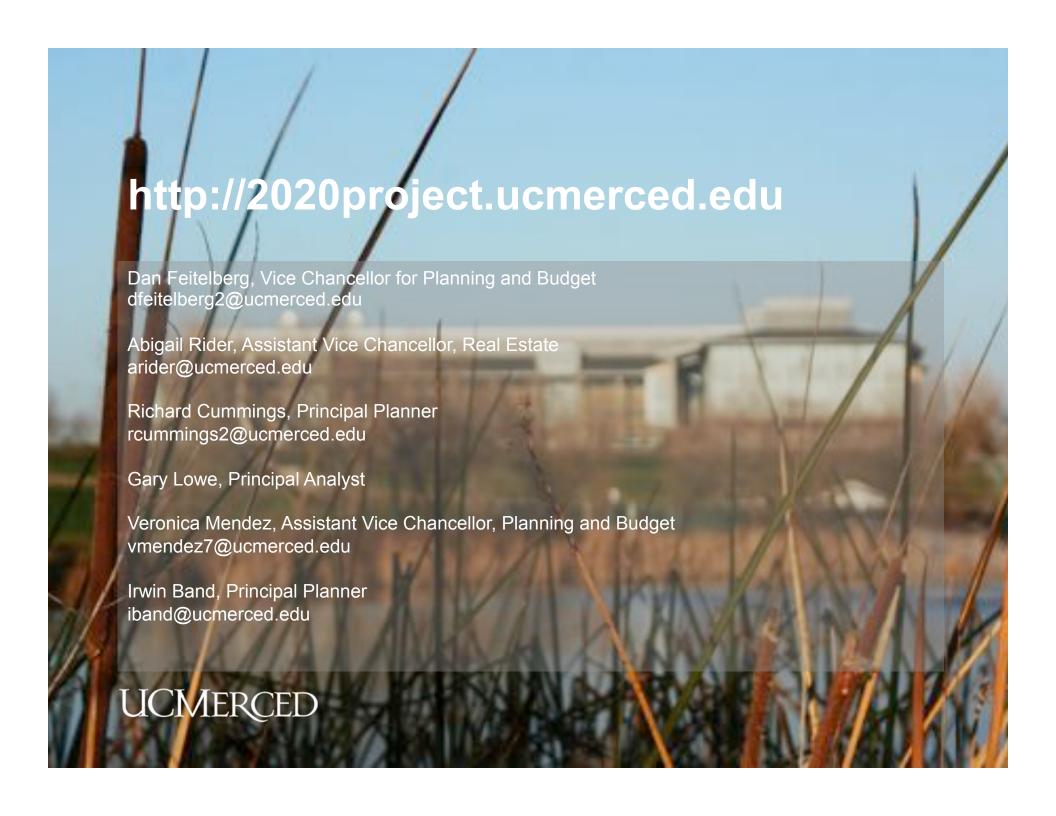
A multi-asset model for large scale public university development Keys to Success

1. Nurture Institutional Support

- Work with campus stakeholders to develop program
- Collaborate with UCOP
- Hire experienced advisors

2. Identify a Capable Partner

- Track record of delivering resilient, high quality facilities
- A record of developing creative financial structures for complex, public projects
- Financial and operational depth to develop and deliver complex, public projects
- Experience developing collaborative, mixed-use residential and academic environments



UC Merced's Second Phase

The 2020 Project

Building
California's
Next Great
Public Research
University

