

**Project List - November 2011**
**Facilities: Capital Projects**

Project Name	Project Team	TPC (\$M)	Costs (\$M) 10/31/11	Contingency (\$M)	Approved Funding (\$M)	Status	Construction Phase	EDIA	SPI CPI RPI	Stop Light	Major Risks/Noteworthy Info
<b>ACTIVE PROJECTS</b>											
1 B51/Bevatron Demo (Non-ARRA)	J O'Hearn, PD B Cronin, PM J Patterson, CM E Beardsley, Admin L Atkinson, PC	\$35.7	\$28.4	\$4.5	\$35.7	Demolition	Aug 2008 - Jan 2012	32%	0.98 1.01 2.82	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Slab and foundation demo began December 2010 and will continue through Fall 2011. 2) Completed backfill of accelerator area. <b>Risks:</b> 1) Weather delay. 2) Contaminants in soil. <b>Lessons Learned:</b> 1) Document posted to eRoom; updated through June 2010. 2) Began revision for CD-4 closeout. <b>Upcoming Events:</b> 1) Continue processing and crushing of "clean" concrete for reuse as fill. 2) Continue removal of tunnels and basement areas. 3) Continue backfill of tunnels and basement areas.
2 Seismic Phase 2 - Construction (ARRA)	R Stanton, PD T Galvin, PM D Cota, CM M Smithwick, Admin R Larson, PC	\$15.0	\$13.9	\$0.0	\$15.0	Construction	Sep 2009 - Feb 2012	27%	0.98 0.99 2.02	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) B74 MEP finalizing and finish trim underway. 2) B74 finishes continuing on the 2nd and 3rd floor. 3) B74 site utility connections are underway. <b>Risks:</b> Spending below ARRA spend plan. <b>Lessons Learned:</b> Applying LL from SPh1-Contractor JHA & Pre-Construction docs. <b>Upcoming Events:</b> 1) Permanent power for commissioning. 2) Prefunctional testing and commissioning.
3 Seismic Phase 2 - PED/Construction (Non-ARRA)	R Stanton, PD J Heffernan, PM D Beaton, CM L Sangmaster, Admin R Larson, PC	\$82.1	\$27.5	\$7.5	\$70.5	Construction	Sep 2009 - Apr 2014	27%	0.98 0.99 2.02	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) B74 construction work continuing. 2) B28 electrical ductbank installation complete. 3) B85 utility potholing complete. 4) B85 lower yard concrete removal complete. 5) GPL building pad grading complete. <b>Risks:</b> 1) Safety culture with new contractors. 2) B74 schedule for electrical transformer. 3) B85 pier/ utility conflicts. 4) Potential GPL schedule impacts due to unknown underground utility field conditions. <b>Lessons Learned:</b> Applying LL from SPh1 (Pre-constr.) & USB (Soil Characterization). <b>Upcoming Events:</b> 1) GPL site utilities and perimeter site grading. 2) GPL foundation excavation. 3) B85 drilled piers. 4) B74 substantial completion in March 2012.
4 User Test Bed Facility (ARRA)	R Stanton, PD G Sanen, PM D Beaton, CM J Ocean, Admin J Tang, PC	\$15.9	\$1.6	\$2.4	\$15.9	Design	Feb 2012 - Mar 2013	36%	N/A N/A 1.84	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Received Issue For Bid design documents. <b>Risks:</b> Bid proposals within budgeted construction costs. <b>Lessons Learned:</b> None at this time. <b>Upcoming Events:</b> 1) Issue RFP for bidding. 2) CD-2/3 review scheduled for Dec. 13-14, 2011.
5 Bldg. 45 Seismic Upgrade/Replacement	D Nielsen, PD C Taberski, CM E Beardsley, Admin J Tang, PC	\$1.6	\$0.1	\$0.2	\$1.6	Design	Jan 2012 - Dec 2012	56%	N/A N/A 1.04	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 100% Design reviewed with comments. <b>Risks:</b> 1) Cost estimate at 100% may exceed budget. 2) Undocumented field conditions. <b>Lessons Learned:</b> None <b>Upcoming Events:</b> 1) Solicitation for 100% design signoff. 2) Preparation of bid docs.
6 NERSC Relocation Project (NRP)	J. O'Hearn, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC	\$20.0	\$0.3	\$3.2	\$0.5	Construction Documents	Sept 2011 - Dec 2015	12%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Favorable NEPA ruling from judge received 11/18/11. <b>Risks:</b> Bids higher than budget. <b>Lessons Learned:</b> Allow more time for financial approval and award of design contract. <b>Upcoming Events:</b> 1) Bid all work Dec 2011-Feb 2012. 2) CD 2/3 planned for Feb 2012.
7 Bevatron Parking Lot	J O'Hearn, PD T Mankowski, PM J Patterson, CM E Beardsley, Admin J Tang, PC	\$0.81	\$0.05	\$0.06	\$0.04	Design	Nov 2011 - Apr 2012	25%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Design is 99% complete. 2) Solar lighting selected by Leadership. <b>Risks:</b> Trip hazards and drainage issues at EPB Hall area. <b>Lessons Learned:</b> Referring to Bevatron Lessons Learned. <b>Upcoming Events:</b> Bid period.
8 Old Town Demolition (FY 2012)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$0.10	\$0.04	\$0.00	\$0.10	Design (Ph 2 GWT System)	Mar 2012 - Jun 2012	27%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) GWT design is 95% complete; waiting for comments from ESG. 2) Schedule depends on SERC. <b>Risks:</b> Maintaining 25A excavation during winter (SERC). <b>Lessons Learned:</b> Lessons learned meeting conducted with staff. <b>Upcoming Events:</b> Extend GWT Utilities (Phase 2) March thru June 2012.
9 BELLA Conventional Facilities	D Lockhart, PD G Sanen, PM D Brunkow, CM J Ocean, Admin J Coyne, PC	\$8.0	\$7.7	\$0.0	\$8.0	Construction	Sep 2010 - Nov 2011	33%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Beneficial Occupancy achieved. <b>Risks:</b> Construction safety. <b>Lessons Learned:</b> Electrical contractor for BELLA did not perform quality work. <b>Upcoming Events:</b> Completion of commissioning.
10 Advanced Biofuels Process Development (Fit-up)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.68	\$0.38	\$0.11	\$0.68	Post-construction Fit-up	Feb 2011 - Mar 2012	24%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Fit-up continues. <b>Risks:</b> Research equipment behind schedule. <b>Lessons Learned:</b> Use higher design contingency during early design stages. <b>Upcoming Events:</b> Final equipment installation.

**Project List - November 2011**
**Facilities: Capital Projects**

Project Name	Project Team	TPC (\$M)	Costs (\$M) 10/31/11	Contingency (\$M)	Approved Funding (\$M)	Status	Construction Phase	EDIA	SPI CPI RPI	Stop Light	Major Risks/Noteworthy Info
11 JCAP Fit-up and Moves	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.71	\$0.54	\$0.00	\$0.71	Post-construction Fit-up	Apr 2011 - Sep 2011	24%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Research operations started. 2) Fitup in progress. <b>Risk:</b> Stable fume hood operation. <b>Lessons Learned:</b> None identified at this time. <b>Upcoming Events:</b> 1) Fit-up of research equipment. 2) Additional fume hoods on order.
12 B71 Bathroom & Shower Install	D Lockhart, PD G Sanen, PM E Beardsley, Admin	\$0.15	\$0.00	\$0.00	\$0.15	Design	Oct 2011 - Jan 2012	28%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> \$150K approved by J. Krupnick to proceed with project. <b>Risks:</b> None identified at this time. <b>Lessons Learned:</b> None at this time. <b>Upcoming Events:</b> Completion of design and processing construction contract.
13 Second Campus Planning	D Lockhart, PD G Sanen, PM C Taberski, CM E Beardsley, Admin	\$3.0	\$0.8	\$0.2	\$3.0	Planning	2014 - 2016	N/A	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Due diligence studies completed. <b>Risks:</b> 1) Facilities capital cost of money. 2) UC financing. 3) Environmental. <b>Lessons Learned:</b> Preferred site identification process is more complex than anticipated. <b>Upcoming Events:</b> 1) Preferred site identification. 2) Basis of Design. 3) LRDP.
<b>UC PROJECTS</b>											
14 Computational Research & Theory Facility	J OHearn, PD H Martinez, PM A Azarkhish, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC	\$124.9	\$14.1	\$7.4	\$78.1	Bidding	Dec 2011 - Fall 2014	18%	TBD	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Favorable NEPA ruling from judge received 11/18/11. 2) Additional funding for DOE funded NRP scope approved for \$20M. 2) Requesting augmentation of \$12M from UCOP. <b>Risks:</b> Judge's NEPA ruling after Hearing on 10/20 could delay project. <b>Lessons Learned:</b> Increase number of bidders and prepare more complete documents. <b>Upcoming Events:</b> 1) Rebidding all work through Feb 2012. 2) Tree removal. 3) Underground utility construction. 4) Regent augmentation approval.
15 Solar Energy Research Center	S Swanson, PD J. Feher, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$54.4	\$8.3	\$2.5	\$9.8	Awaiting State Approval to Go Out for Bid	Mar 2012 - Feb 2014	18%	TBD	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Submitted "W" package for approval to bid August 2011. 2) Notification by State that SERC will not be on November 2011 Bond Sale impacts schedule further. 3) November 2011 CEQA Ruling issued in UC's favor. <b>Risks:</b> 1) Escalation and construction bids. 2) Successful Bond Sale. <b>Lessons Learned:</b> GPL and CRT bid results are being factored in for SERC budget. <b>Upcoming Events:</b> Bidding.
<b>PROJECTS IN CLOSEOUT</b>											
16 Seismic Phase 1 (B50 & B74)	R Stanton, PD T Galvin, PM D Brunkow, CM J Ocean, Admin R Larson, PC	\$18.0	\$17.8	\$0.0	\$18.0	Closeout	Jan 2009 - Sep 2010	37%	1.00 1.00 N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) CD-4 obtained September 2010. 2) Final project closeout report drafted. 3) Financial closeout complete. <b>Risks:</b> None. <b>Lessons Learned:</b> LL have been documented. <b>Upcoming Events:</b> 1) Final project closeout report completion. 2) Capitalization.
17 Centennial Bridge Retaining Wall Repair	R Stanton, PD T Galvin, PM D Beaton, CM M Smithwick, Admin	\$0.11	\$0.09	\$0.00	\$0.11	Closeout	Mar 2011 - Jun 2011	32%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Project complete. 2) Financial closeout complete. <b>Risk:</b> None. <b>Lessons Learned:</b> None identified at this time. <b>Upcoming Events:</b>
18 User Support Building (Non-ARRA)	J Harkins, PD R Schaefer, PM T Kemper, CM K Britton, Admin L Atkinson, PC	\$20.4	\$20.4	\$0.0	\$20.4	Commissioning / Closeout	Aug 2008 - Mar 2011	28%	1.00 1.00 N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Closeout report complete and sent to HQ. 2) Financial close complete. 3) Capitalization complete. <b>Risks:</b> None. <b>Lessons Learned:</b> Documented and posted to eRoom. <b>Upcoming Events:</b> 1) Final commissioning report. 2) Waiting for ARRA close out.
19 User Support Building (ARRA)	J Harkins, PD R Schaefer, PM T Kemper, CM K Britton, Admin L Atkinson, PC	\$14.7	\$14.7	\$0.0	\$14.7	Closeout	Aug 2008 - Oct 2010	28%	1.00 1.00 N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> ARRA closeout report complete. <b>Risks:</b> None. <b>Lessons Learned:</b> Documented and posted to eRoom. <b>Upcoming Events:</b> Payment of Cx Agent retention and final ARRA close out.
20 Prep for CRT Power Upgrade	J. OHearn, PD H Martinez, PM S Cheeseboro, Admin	\$0.17	\$0.10	\$0.01	\$0.17	Closeout	Mar 2011 - Sept 2011	N/A	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Mini Lehman review held 7/7/11. 2) Issued PEP and Acquisition Strategy 8/19. <b>Risks:</b> None. <b>Lessons Learned:</b> None identified at this time. <b>Upcoming Events:</b> Financial closeout.
21 NERSC 6 Systems Site Preparation	D Lockhart, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$1.8	\$1.6	\$0.2	\$1.8	Closeout	Jul 2009 - Nov 2010	21%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> System operational Sept 2010. <b>Risks:</b> <b>Lessons Learned:</b> Start design process earlier. <b>Upcoming Events:</b> Financial closeout.

**Project List - November 2011**
**Facilities: Capital Projects**

Project Name	Project Team	TPC (\$M)	Costs (\$M) 10/31/11	Contingency (\$M)	Approved Funding (\$M)	Status	Construction Phase	EDIA	SPI CPI RPI	Stop Light	Major Risks/Noteworthy Info
22 OSF 3 MW Upgrade (Non-ARRA)	D Lockhart, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$1.4	\$1.4	\$0.0	\$1.4	Closeout	Aug 2009 - May 2011	21%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> System operational Sept 2010. <b>Risks:</b> <b>Lessons Learned:</b> Start design process earlier. <b>Upcoming Events:</b> Financial closeout.
23 OSF 3 MW Upgrade (ARRA)	D Lockhart, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$5.8	\$5.8	\$0.0	\$5.8	Closeout	Aug 2009 - May 2011	N/A	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> System operational Sept 2010. <b>Risks:</b> <b>Lessons Learned:</b> Start design process earlier. <b>Upcoming Events:</b> Financial closeout.
24 Advanced Biofuels Process Development (Tenant Improvement)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$7.6	\$6.8	\$0.0	\$7.6	Closeout	Jul 2010 - Jan 2011	10%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> <b>Risks:</b> <b>Lessons Learned:</b> Use higher design contingency during early design stages. <b>Upcoming Events:</b> Financial closeout.
25 JCAP Facility Renovation	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$2.0	\$1.6	\$0.4	\$2.0	Closeout	Dec 2010 - Mar 2011	14%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Renovation complete and final invoice paid. <b>Risks:</b> None identified. <b>Lessons Learned:</b> Include Facilities when budgeting space renovations for proposals. <b>Upcoming Events:</b> 1) Financial closeout. 2) Use remaining balance for year 2 fitup.
26 B977 Potter LSD (Tenant Improvement & Fit-up)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$5.1	\$4.8	\$0.0	\$5.1	Closeout	Jun 2010 - Dec 2010	TIs 14% Fitup 26%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Phase 2 fit-up complete. 2) Project completed well under budget. <b>Risks:</b> None identified. <b>Lessons Learned:</b> 2-day project development period was too short. <b>Upcoming Events:</b> Financial closeout.
27 Old Town Demolition (FY 2011)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$1.5	\$1.5	\$0.0	\$1.5	Closeout	Apr 2011 - Oct 2011	63%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Met Tower complete. 2) Ground Water Treatment, Phase 1 complete. 3) B5 Canopy Removal complete. 4) Punchlist items underway. <b>Risks:</b> Maintaining 25A excavation during winter (SERC). <b>Lessons Learned:</b> Lessons learned meeting conducted with staff. <b>Upcoming Events:</b> GWT Relocation, Phase 2 in FY2012.
<b>UC PROJECTS IN CLOSEOUT</b>											
28 Guest House	T Galvin, PM D Beaton, CM M Smithwick, Admin	\$10.0	\$10.0	\$0.00	\$10.0	Closeout / Warranty	May 2008 - Aug 2009	N/A	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Final closeout is underway. <b>Risks:</b> Latent defects from contractor. <b>Lessons Learned:</b> Design/Build process. <b>Upcoming Events:</b> Financial close-out.

**NOTES**

TPC - Total Project Cost.  
 EDIA - Engineering Design Inspection Acceptance (soft costs)  
 SPI/CPI/RPI - Schedule/Cost/Risk Performance Index  
 PD - Project Director; PM - Project Mgr; CM - Construction Mgr; PC - Project Controls.  
 Admin - Administrator; PA - Project Assistant.  
 Costs - Actual costs expended as of month end noted (excludes liens).

November 28, 2011