

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

Project Name	Project Team	TPC (\$M)	Costs (\$M) 11/30/11	Contingency (\$M)	Approved Funding (\$M)	Status	Construction Phase	Commissioning / Transition to Ops	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	\$29.4	\$4.5	\$35.7	Demolition	Aug 2008 - Jan 2012	Cx: N/A T2O: Feb 2012	32%	0.96 0.98 2.82	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Slab and foundation demo began December 2010 and will continue through Jan 2012. <b>Risks:</b> 1) Weather delay. 2) Contaminants in soil. <b>Lessons Learned:</b> Document posted to eRoom; updating for project closeout. <b>Upcoming Events:</b> 1) Continue processing and crushing of "clean" concrete for possible reuse as fill. 2) Continue removal of tunnels and basement areas. 3) Continue backfill of tunnels and basement areas. 4) Closeout IPR scheduled for Jan 2012.
2 Seismic Phase 2 - Construction (ARRA - B74)	R Stanton, PD T Galvin, PM D Cota, CM M Smithwick, Admin R Larson, PC	\$15.0	\$14.1	\$0.0	\$15.0	Construction	Sep 2009 - Mar 2012	Cx: Jan-Mar 2012 (B74) T2O: Apr 2012 (B74)	27%	0.98 0.99 2.13	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Permanent power at main switchgear. 2) Prefunctional testing. 3) B74 finishes continuing on the 2nd and 3rd floor. 4) B74 site utility connections continuing. <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) Energize downstream panels. 2) Commissioning. 3) Exterior canopies and elastomeric painting.
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	\$30.3	\$7.2	\$71.5	Construction	Sep 2009 - Apr 2014	Cx: Mar-Jul 2013 (GPL) T2O: Aug 2013 (GPL)	27%	0.98 0.99 2.13	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) B74 construction work continuing. 2) B85 pier redesign complete. 3) GPL excavation and site utilities underway. 4) B85 interior seismic retrofit started. <b>Risks:</b> 1) Safety culture with new contractors. 2) B74 schedule for energization, start-up and commissioning. 3) B85 pier/ utility conflicts. 4) Potential GPL schedule impacts due to unknown underground utility field conditions. 5) Triggering fire alarm at B85 (welding). <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 steel erection. 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	\$1.8	\$2.4	\$15.9	Design	Feb 2012 - Mar 2013	Cx: Apr-Jun 2013 T2O: Jun 2013	36%	N/A N/A 1.57	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Received Issue For Bid design documents. 2) CD-2/3 review held Dec. 13-14, 2011. <b>Risks:</b> Bid proposals within budgeted construction costs. <b>Lessons Learned:</b> None at this time. <b>Upcoming Events:</b> Issue RFP for bidding.
5 Bldg. 45 Seismic Upgrade/ Replacement	D Nielsen, PD C Taberski, CM E Beardsley, Admin J Tang, PC	\$1.63	\$0.19	\$0.17	\$1.61	Design	Jan 2012 - Dec 2012	Cx: Nov 2012-Jan 2013 T2O: Dec 2012	57%	N/A N/A 1.04	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) 100% Design set now signed off. 2) Bid package in review. <b>Risks:</b> 1) Bids may exceed budget at 100% design estimate. 2) Undocumented field conditions. <b>Lessons Learned:</b> None <b>Upcoming Events:</b> Issue RFP for Bidding.
6 NERSC Relocation Project (NRP)	J. O'Hearn, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC	\$20.0	\$0.4	\$3.1	\$2.5	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 Jan-Feb 2012. 2) CD 2/3 planned for Mar 2012.
7 Bevatron Parking Lot	J O'Hearn, PD T Mankowski, PM J Patterson, CM E Beardsley, Admin J Tang, PC	\$0.74	\$0.05	\$0.06	\$0.74	Design	Nov 2011 - Apr 2012	Cx: N/A T2O: Oct 2011	25%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Design is 100% 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 opening.
8 Old Town Demolition (FY 2012)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$0.10	\$0.05	\$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; specs front end pending. 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	\$7.9	\$0.0	\$8.0	Construction	Sep 2010 - Nov 2011	Cx: Oct-Dec 2011 T2O: Oct 2011 (Punchlist Dec 2011 - Jan 2012)	33%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Beneficial Occupancy achieved. <b>Risks:</b> Latent claims for additional compensation. <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	\$0.39	\$0.11	\$0.71	Post-construction Fit-up	Feb 2011 - Mar 2012		24%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Small reactors in operation. <b>Risks:</b> Inadequate funds to complete the Andritz installation. <b>Lessons Learned:</b> Use higher design contingency during early design stages. <b>Upcoming Events:</b> Andritz reactor installation.

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11 JCAP Fit-up and Moves	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.71	\$0.56	\$0.05	\$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) Fume hoods stabilized. <b>Risks:</b> Safety. <b>Lessons Learned:</b> None identified at this time. <b>Upcoming Events:</b> Fit-up of research equipment.
12 JCAP Facility Renovation (FY2012)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$2.00	\$1.58	\$0.03	\$2.00	Design	FY11: Dec 2010 - Mar 2011 FY12: Feb - Mar 2012		14%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Completed fume hood addition. <b>Risks:</b> 1) Construction safety. 2) Disruption to operations. <b>Lessons Learned:</b> Include Facilities when budgeting space renovations for proposals. <b>Upcoming Events:</b> Use remaining balance for year 2 renovation.
13 B71 Bathroom & Shower Install	D Lockhart, PD G Sanen, PM E Beardsley, Admin	\$0.15	\$0.00	\$0.01	\$0.15	NTP with Construction	Jan - Mar 2012		28%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Completed design and bidding. <b>Risks:</b> 3% contingency going into construction. <b>Lessons Learned:</b> Better up-front estimates for small projects. <b>Upcoming Events:</b> Processing construction contract.
14 Second Campus Planning	D Lockhart, PD G Sanen, PM C Taberski, CM E Beardsley, Admin	\$3.0	\$1.0	\$0.2	\$3.0	Planning	2014 - 2016		N/A	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Awarded LRDP and BOD contracts. <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.
15 Northern Move to Potter Street	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.3	\$0.0	\$0.1	\$0.3	Design	Feb - Mar 2012		10%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Project approval. <b>Risks:</b> Safety. <b>Lessons Learned:</b> None identified. <b>Upcoming Events:</b> 1) Completion of design. 2) Construction.
<b>UC PROJECTS</b>												
16 Computational Research & Theory Facility	J O'Hearn, PD H Martinez, PM A Azarkhish, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC	\$124.9	\$14.1	\$6.7	\$78.1	Bidding	Dec 2011 - Fall 2014	Cx: Mar - Aug 2014 T2O: Sep 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; Regents' Meeting scheduled for Jan 18, 2012 <b>Risks:</b> Construction bids within budget. <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.
17 Solar Energy Research Center	S Swanson, PD J. Feher, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$54.4	\$8.3	\$3.3	\$9.8	Awaiting State Approval to Go Out for Bid	Mar 2012 - Feb 2014	Cx: Nov 2013-Jan 2014 T2O: Jan 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>												
18 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.
19 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>Risks:</b> None. <b>Lessons Learned:</b> None identified at this time. <b>Upcoming Events:</b>
20 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	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. 4) Final Cx report complete. 5) De-obligation of funds requested. <b>Risks:</b> None. <b>Lessons Learned:</b> Documented and posted to eRoom. <b>Upcoming Events:</b> None.
21 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> None.

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22 Prep for CRT Power Upgrade	J. O'Hearn, 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.
23 NERSC 6 Systems Site Preparation	D Lockhart, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$1.78	\$1.63	\$0.15	\$1.78	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.
24 OSF 3 MW Upgrade (Non-ARRA)	D Lockhart, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$1.40	\$1.38	\$0.01	\$1.40	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.
25 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.
26 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> <b>Upcoming Events:</b> Financial closeout.
27 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.
28 Old Town Demolition (FY 2011)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$1.47	\$1.47	\$0.00	\$1.47	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>												
29 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).  
 Cx - Commissioning (includes Training)  
 T2O - Transition to Operations (Substantial Completion and/or Beneficial Occupancy)

December 22, 2011