

**Project List - January 2012**
**Facilities: Capital Projects**

Project Name	Project Team	TPC (\$M)	Costs (\$M) 12/31/11	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	\$35.699	\$29.866	\$2.421	\$35.699	Demolition	Aug 2008 - Feb 2012	Cx: N/A T2O: Feb 2012	32%	0.97 0.99 1.51	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Slab and foundation demo and backfill completed 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) Closeout IPR scheduled for Jan 2012. 2) ESAAB scheduled for Feb 2012.
2 Seismic Phase 2 - Construction (ARRA - B74)	R Stanton, PD T Galvin, PM D Cota, CM M Smithwick, Admin R Larson, PC	\$15.000	\$14.509	\$0.000	\$15.000	Construction	Sep 2009 - Jun 2012	Cx: Jan-Apr 2012 (B74) T2O: Jun 2012 (B74)	27%	0.98 1.00 2.13	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Permanent power at main switchgear complete. 2) B74 finishes continuing on all floors. 3) B74 site utility connections continuing. 4) Energizing downstream panels. 5) B74 commissioning underway. <b>Risks:</b> 1) Spending below ARRA spend plan. 2) Schedule for move-in. <b>Lessons Learned:</b> Applying LL from SPh1-Contractor JHA & Pre-Construction docs. <b>Upcoming Events:</b> 1) Exterior canopies and elastomeric painting. 2) Start-up of mechanical system. 3) Contractor pre-punchlist of 2nd floor underway.
3 Seismic Phase 2 - PED/Construction (Non-ARRA)	R Stanton, PD J Heffernan, PM D Beaton, CM L Sangmaster, Admin R Larson, PC	\$82.080	\$32.469	\$6.436	\$71.459	Construction	Sep 2009 - Apr 2014	Cx: Mar-Jul 2013 (GPL) T2O: Aug 2013 (GPL)	27%	0.98 1.00 2.13	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) B74 construction work continuing. 2) GPL excavation and site utilities underway. 3) B85 interior seismic retrofit complete. <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. <b>Lessons Learned:</b> Applying LL from SPh1 (Pre-constr.) & USB (Soil Characterization). <b>Upcoming Events:</b> 1) GPL site utilities and Phase 1 foundation installation. 2) GPL steel erection. 3) B85 drilled piers. 4) B74 substantial completion in June 2012.
4 User Test Bed Facility (ARRA)	R Stanton, PD G Sanen, PM D Beaton, CM J Ocean, Admin J Tang, PC	\$15.900	\$1.920	\$2.330	\$15.900	Bidding	Feb 2012 - Aug 2013	Cx: Jun-Sep 2013 T2O: Sep 2013	36%	N/A N/A 1.57	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Received Issue For Bid design documents and released to six pre-qualified bidders. 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> Proposals due Feb 2012.
5 Bldg. 77 Rehab Ph2 Construction	D Nielsen, PD D Brunkow, CM TBD, Admin	\$13.359	\$13.193	\$0.000	\$13.359	Post-construction Commissioning	Nov 2007 - Nov 2009		TBD	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Project will use \$166K sales tax refund to perform mechanical alterations in Bldg. 77 Room 156. <b>Risks:</b> Budget may not be sufficient. <b>Lessons Learned:</b> None. <b>Upcoming Events:</b> Contractor confirming quotation.
6 Bldg. 45 Seismic Upgrade/Replacement	D Nielsen, PD D Brunkow, CM E Beardsley, Admin J Tang, PC	\$1.630	\$0.207	\$0.173	\$1.608	Bidding	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> Bids received. <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> NTP.
7 Bldg. 15 M&V	D Nielsen, PD L Begley, CM	\$0.071	\$0.000	\$0.000	\$0.053	Post-construction Commissioning	Jan 2012 - Jun 2012		N/A	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> MRO checking points in FMCS. <b>Risks:</b> <b>Lessons Learned:</b> None. <b>Upcoming Events:</b>
8 NERSC Relocation Project (NRP)	J O'Hearn, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC	\$20.000	\$0.496	\$3.056	\$2.500	Bidding	Apr 2012 - Dec 2015		12%	N/A N/A 0.22	● 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.
9 OSF NERSC N7 Site Preparation	D Nielsen, PD T Temper, CM TBD, Admin	\$0.210	\$0.000	\$0.000	\$0.200	Design	Jan 2012 - Nov 2012		TBD	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> <b>Risks:</b> <b>Lessons Learned:</b> None. <b>Upcoming Events:</b> Drawings to be received for review.
10 Bevatron Parking Lot	J O'Hearn, PD T Mankowski, PM J Patterson, CM E Beardsley, Admin J Tang, PC	\$0.741	\$0.057	\$0.058	\$0.741	Awarded	Nov 2011 - Apr 2012	Cx: N/A T2O: Oct 2011	25%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Awarded. 2) Solar lighting costs being evaluated. <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> NTP.

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11 Old Town Demolition (FY 2012)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$0.100	\$0.064	\$0.000	\$0.100	Design (Ph 2 GWT System)	Mar 2012 - Jun 2012		27%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) GWT design is 99% 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.
12 BELLA Conventional Facilities	D Lockhart, PD G Sanen, PM D Brunkow, CM J Ocean, Admin J Coyne, PC	\$7.973	\$7.889	\$0.006	\$7.973	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> 1) Completion of commissioning. 2) Completion of punchlist.
13 Advanced Biofuels Process Development (Fit-up)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.680	\$0.403	\$0.017	\$0.710	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.
14 JCAP Fit-up and Moves	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.710	\$0.624	\$0.032	\$0.710	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.
15 JCAP Facility Renovation (FY2012)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$2.000	\$1.578	\$0.422	\$2.000	Design	FY11: Dec 2010 - Mar 2011 FY12: Feb - Mar 2012	Cx: Apr 2012 T2O: May 2012	14%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Awarded fume hood addition to Landlord. <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.
16 B71 Bathroom & Shower Install	D Lockhart, PD G Sanen, PM E Beardsley, Admin	\$0.150	\$0.000	\$0.005	\$0.150	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> Construction underway.
17 Second Campus Planning	D Lockhart, PD G Sanen, PM C Taberski, CM E Beardsley, Admin	\$3.002	\$1.027	\$0.190	\$3.002	Planning	2014 - 2016	Cx: 2016 T2O: 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.
18 Northern Move to Potter Street	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.345	\$0.002	\$0.057	\$0.345	Design	Feb - Mar 2012	Cx: Apr 2012 T2O: May 2012	10%	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> Awarded subcontract to Wareham. <b>Risks:</b> Safety. <b>Lessons Learned:</b> None identified. <b>Upcoming Events:</b> 1) Completion of design. 2) Construction.
19 K-base Office Space Fit & Move	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.146	\$0.002	\$0.028	\$0.146		Dec 2011 - Mar 2012		TBD	N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> <b>Risks:</b> Safety. <b>Lessons Learned:</b> <b>Upcoming Events:</b>
<b>UC PROJECTS</b>												
20 Computational Research & Theory Facility	J O'Hearn, PD H Martinez, PM A Azarkhish, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC	\$124.944	\$14.802	\$6.519	\$78.125	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. 3) Tree removal complete Jan 2012. 4) Utilities started Dec 2011. <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) Regent augmentation approval.
21 Solar Energy Research Center	S Swanson, PD J. Feher, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$54.400	\$8.471	\$2.407	\$9.800	Awaiting State Approval to Go Out for Bid	Apr 2012 - Mar 2014	Cx: Nov 2013-Jan 2014 T2O: Mar 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) SPWB approval. <b>Lessons Learned:</b> GPL and CRT bid results are being factored in for SERC budget. <b>Upcoming Events:</b> Bidding.

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<b>PROJECTS IN CLOSEOUT</b>												
22 Seismic Phase 1 (B50 & B74)	R Stanton, PD T Galvin, PM D Brunkow, CM J Ocean, Admin R Larson, PC	\$18.000	\$17.761	\$0.002	\$17.984	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.
23 User Support Building (Non-ARRA)	J Harkins, PD R Schaefer, PM T Kemper, CM K Britton, Admin L Atkinson, PC	\$20.439	\$20.432	\$0.000	\$20.439	Closeout	Aug 2008 - Mar 2011		28%	1.00 1.00 N/A	● Scope ● Schedule ● Budget	<b>Notable Events:</b> 1) Financial close complete. 2) Capitalization complete. 3) De-obligation of funds complete. <b>Risks:</b> None. <b>Lessons Learned:</b> Documented and posted to eRoom. <b>Upcoming Events:</b> None.
24 Prep for CRT Power Upgrade	J. O'Hearn, PD H Martinez, PM S Cheeseboro, Admin	\$0.165	\$0.099	\$0.006	\$0.165	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.
25 NERSC 6 Systems Site Preparation	D Lockhart, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$1.783	\$1.631	\$0.152	\$1.783	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.
26 OSF 3 MW Upgrade (Non-ARRA)	D Lockhart, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$1.395	\$1.382	\$0.013	\$1.395	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.
27 OSF 3 MW Upgrade (ARRA)	D Lockhart, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$5.800	\$5.779	\$0.017	\$5.800	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.
28 Advanced Biofuels Process Development (Tenant Improvement)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$7.594	\$6.782	\$0.000	\$7.594	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.
29 B977 Potter LSD (Tenant Improvement & Fit-up)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$5.143	\$4.829	\$0.046	\$5.143	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.
30 Old Town Demolition (FY 2011)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$1.470	\$1.469	\$0.000	\$1.470	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>												
31 Guest House	J. O'Hearn, PD T Galvin, PM D Beaton, CM M Smithwick, Admin	\$10.020	\$10.010	\$0.001	\$10.020	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 Indices.  
 PD - Project Director; PM - Project Mgr; CM - Construction Mgr; PC - Project Controls; Admin - Administrator.  
 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).

January 19, 2012