

Project List - March 2012
Facilities: Capital Projects

Project Name	Project Team	TPC (\$M)	Costs (\$M) 02/29/12	Contingency (\$M)	Approved Funding (\$M)	Status	Construction Phase	Commissioning / Transition to Ops	EDIA	SPI CPI RPI	Stop Light	Major Risks/Noteworthy Info	
ACTIVE PROJECTS													
1	Seismic Phase 2 - Construction (ARRA - B74)	R Stanton, PD T Galvin, PM D Cota, CM M Smithwick, Admin R Larson, PC	\$15.000	\$14.807	\$0.000	\$15.000	Construction	Sep 2009 - Jun 2012	Cx: Jan-Apr 2012 (B74) T2O: Jun 2012 (B74)	27%	0.97 1.00 2.28	● Scope ● Schedule ● Budget	Notable Events: 1) B74 finishes continuing on all floors. 2) B74 site utility connections continuing. 3) Energizing downstream panels continuing. 4) Air handling units startup. 5) Contractor pre-punchlist of 2nd floor continuing. 6) Exterior canopies. Risks: Schedule for move-in to Bldg. 74. Lessons Learned: Applying LL from SPh1-Contractor JHA & Pre-Construction docs. Upcoming Events: 1) Elastomeric painting. 2) Install courtyard between Buildings 74 and 84. 3) Begin punchlist.
2	Seismic Phase 2 - PED/Construction (Non-ARRA)	R Stanton, PD J Heffernan, PM D Beaton, CM L Sangmaster, Admin R Larson, PC	\$82.080	\$37.012	\$6.094	\$78.742	Construction	Sep 2009 - Apr 2014	Cx: Mar-Jul 2013 (GPL) T2O: Aug 2013 (GPL)	27%	0.97 1.00 2.28	● Scope ● Schedule ● Budget	Notable Events: 1) B74 construction work continuing. 2) GPL site utilities and steel erection underway. 3) B85 change order request. Risks: 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 and weather. Lessons Learned: Applying LL from SPh1 (Pre-constr.) & USB (Soil Characterization). Upcoming Events: 1) GPL site utilities and steel erection and decking completion. 2) GPL post steel erection foundation work. 3) B85 drilled piers. 4) B74 substantial completion in June 2012.
3	User Test Bed Facility (ARRA)	R Stanton, PD G Sanen, PM D Beaton, CM C Murray, Admin J Tang, PC	\$15.900	\$2.048	\$1.599	\$15.900	Bidding	Apr 2012 - Aug 2013	Cx: Jun-Sep 2013 T2O: Sep 2013	36%	N/A N/A 1.48	● Scope ● Schedule ● Budget	Notable Events: 1) CD-2/3 review held Dec. 13-14, 2011. 2) Received bids. Lowest at 20% higher than budget. Risks: Bid proposals higher than budgeted construction costs. Lessons Learned: None at this time. Upcoming Events: 1) Reconciliation of cost and scope along with value engineering with lowest GC proposer to meet budget. 2) CD-2/3 approval.
4	Bldg. 77 Rehab Ph2 Construction	D Nielsen, PD D Brunkow, CM TBD, Admin	\$13.359	\$13.194	\$0.000	\$13.359	Post-construction Commissioning	Nov 2007 - Nov 2009		TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Project will use \$166K sales tax refund to perform mechanical alterations in Bldg. 77 Room 156. 2) NTP issued to Contractor. Risks: Budget may not be sufficient. Lessons Learned: None. Upcoming Events: Contractor material order confirmation for shutdown planning.
5	Bldg. 45 Seismic Upgrade/ Replacement	D Nielsen, PD D Brunkow, CM C Murray, Admin J Tang, PC	\$1.630	\$0.271	\$0.193	\$1.630	Bidding	Jan 2012 - Dec 2012	Cx: Nov 2012-Jan 2013 T2O: Dec 2012	33%	N/A N/A 1.04	● Scope ● Schedule ● Budget	Notable Events: Issued NTP to Contractor. Risks: 1) Schedule pending NTP date. 2) Undocumented field conditions. Lessons Learned: Design followed LBNL standards and estimate reflected rates for private industry practice. Upcoming Events: Contractor mobilization.
6	Bldg. 15 M&V	D Nielsen, PD L Begley, CM	\$0.071	\$0.005	\$0.004	\$0.053	Post-construction Commissioning	Jan 2012 - May 2013	Cx: 2012-2013	N/A	N/A	● Scope ● Schedule ● Budget	Notable Events: LBNL validated trend points in FMCS for subcontractor to correct. Risks: 1) Schedule for monthly energy recordings pending corrections. 2) Client's installed server load not sufficient to complete final commissioning or begin PG&E rebate. Lessons Learned: None. Upcoming Events:
7	OSF NERSC N7 Site Preparation	D Nielsen, PD C Taberski, CM S Cheeseboro, Admin	\$0.330	\$0.011	\$0.054	\$0.330	Design	Jan 2012 - Jun 2012		TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: In design. Risks: 1) Use of existing conduits and equipment. 2) Shutdown coordination with operations. Lessons Learned: None. Upcoming Events: Design Documents ready for bids.
8	NERSC Relocation Project (NRP)	S Swanson, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC	\$19.980	\$0.435	\$3.210	\$2.500	Bidding	Jun 2012 - Dec 2015		11%	N/A	● Scope ● Schedule ● Budget	Notable Events: All bids received on March 15, 2012. Bids are under budget. Risks: Coordination with CRT. Lessons Learned: Allow more time for financial approval and award of design contract. Upcoming Events: IPR for CD 2/3 planned for Apr 2012.
9	Old Town Demolition (FY 2012)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$0.100	\$0.052	\$0.000	\$0.100	On Hold	Jun 2012 - Sep 2012		27%	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) GWT design is 99% complete; specs front end pending. 2) Schedule depends on SERC. Risks: Maintaining 25A excavation during winter (SERC). Lessons Learned: Lessons learned meeting conducted with staff. Upcoming Events: Extend GWT Utilities (Phase 2) June thru September 2012.
10	Bevatron Parking Lot	J O'Hearn, PD T Mankowski, PM J Patterson, CM E Beardsley, Admin J Tang, PC	\$0.741	\$0.070	\$0.072	\$0.741	Construction	Nov 2011 - May 2012	Cx: N/A T2O: Oct 2011	25%	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) NTP. 2) Solar lighting costs reduced by \$40K. Risks: Trip hazards and drainage issues at EPB Hall area. Lessons Learned: Referring to Bevatron Lessons Learned. Upcoming Events: Paving and lighting installation.

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11 Advanced Biofuels Process Development (Fit-up)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.680	\$0.434	\$0.034	\$0.680	Post-construction Fit-up	Feb 2011 - Mar 2012		24%	N/A	● Scope ● Schedule ● Budget	Notable Events: Small reactors in operation. Risks: Inadequate funds to complete the Andritz installation. Lessons Learned: Use higher design contingency during early design stages. Upcoming Events: Andritz reactor installation cost estimating/budgeting.
12 JCAP Fit-up and Moves	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.710	\$0.701	\$0.013	\$0.710	Post-construction Fit-up	Apr 2011 - Sep 2012		24%	N/A	● Scope ● Schedule ● Budget	Notable Events: Fit-up of research equipment. Risks: Safety. Lessons Learned: None identified at this time. Upcoming Events: More fit-up of research equipment.
13 JCAP Facility Renovation	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$2.000	\$1.589	\$0.146	\$2.000	Construction	FY11: Dec 2010 - Mar 2011 FY12: Feb - Apr 2012	Cx: Apr 2012 T2O: May 2012	14%	N/A	● Scope ● Schedule ● Budget	Notable Events: Fume hood addition construction complete, in commissioning. Risks: Disruption to operations. Lessons Learned: Include Facilities when budgeting space renovations for proposals. Upcoming Events: Fume hoods installation completion.
14 B71 Bathroom & Shower Install	D Lockhart, PD G Sanen, PM E Beardsley, Admin	\$0.166	\$0.117	\$0.002	\$0.166	Construction	Jan - Mar 2012		28%	N/A	● Scope ● Schedule ● Budget	Notable Events: Construction completed. Risks: 3% contingency going into construction. Lessons Learned: Better up-front estimates for small projects. Upcoming Events: Closeout.
15 Second Campus Planning (FY2012)	D Lockhart, PD G Sanen, PM C Taberski, CM E Beardsley, Admin	\$2.034	\$0.218	\$0.118	\$2.034	Planning	Jul 2014 - Dec 2016	Cx: 2016-2017 T2O: 2016-2017	N/A	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Set sustainability goal. 2) DOE issued EAD as fed. action for NEPA. Risks: 1) Facilities capital cost of money. 2) UC financing. 3) Environmental. Lessons Learned: Preferred site identification process is more complex than anticipated. Upcoming Events: 1) Basis of Design Draft 2 review. 2) LRDP capacity calculations.
16 Northern Move to Potter Street	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.345	\$0.007	\$0.057	\$0.345	Construction	Feb - Mar 2012	Cx: Apr 2012 T2O: May 2012	10%	N/A	● Scope ● Schedule ● Budget	Notable Events: Construction near complete. Risks: 1) Safety. 2) Disruption to operations. Lessons Learned: None identified. Upcoming Events: Construction completion and commissioning.
17 K-base Office Space Fit & Move	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.146	\$0.033	\$0.032	\$0.146	Fit-up	Dec 2011 - Feb 2012	Cx: Feb 2012 T2O: Nov 2012	TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: Construction complete. Risks: Safety. Lessons Learned: Upcoming Events: Final fit-up.
18 Integrated Bioimaging Center	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.385	\$0.000	\$0.063	\$0.385	Design	Mar - Jun 2012	Cx: July 2012 T2O: Aug 2012	TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: P.O. issued to Wareham Risks: 1) Safety. 2) Disruption to operations. Lessons Learned: Flow requirements for bidding down to Landlords. Upcoming Events: Design completion, subcontracting, construction, moves, fitup.
UC PROJECTS												
19 Computational Research & Theory Facility	S Swanson, PD H Martinez, PM A Azarkhish, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC	\$124.944	\$16.838	\$5.902	\$78.125	Bidding	Dec 2011 - Fall 2014	Cx: Mar - Aug 2014 T2O: Sep 2014	18%	TBD	● Scope ● Schedule ● Budget	Notable Events: 1) 93% of bids received as of Mar 22nd. Total of bids to date are slightly under budget. 2) Utilities started Dec 2011. Risks: Coordination with NRP. Lessons Learned: Increase number of bidders and prepare more complete documents. Upcoming Events: 1) Final (7%) bids due March 29. 2) Earthwork to start Apr 2012.
20 Solar Energy Research Center	S Swanson, PD J. Feher, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$54.400	\$8.714	\$2.271	\$9.800	Bidding	Apr 2012 - Mar 2014	Cx: Nov 2013-Jan 2014 T2O: Mar 2014	18%	TBD	● Scope ● Schedule ● Budget	Notable Events: Received Bids March 7th. Bids are higher than bid contingency. Risks: 1) VE impacts. 2) Potential Budget Augmentation. Lessons Learned: Evaluating bids for LLs. Upcoming Events: 1) VE. 2) Bid evaluations.
PROJECTS IN CLOSEOUT												
21 B51/Bevatron Demo (Non-ARRA)	J O'Hearn, PD B Cronin, PM J Patterson, CM E Beardsley, Admin L Atkinson, PC	\$35.699	\$31.937	\$2.421	\$35.699	Closeout	Aug 2008 - Feb 2012	Cx: N/A T2O: Feb 2012	32%	0.98 0.99 N/A	● Scope ● Schedule ● Budget	Notable Events: CD-4 obtained February 2012 Risks: None. Lessons Learned: Lessons Learned Report in final draft. Upcoming Events: Closeout.
22 BELLA Conventional Facilities	D Lockhart, PD G Sanen, PM D Brunkow, CM J Ocean, Admin J Coyne, PC	\$7.973	\$7.955	\$0.009	\$7.973	Closeout	Sep 2010 - Nov 2011	Cx: Oct-Feb 2012 T2O: Oct 2011 (Punchlist Dec 2011 - Feb 2012)	33%	N/A	● Scope ● Schedule ● Budget	Notable Events: Punch list completed 100%. Risks: Latent claims for additional compensation. Lessons Learned: Electrical contractor for BELLA did not perform quality work. Upcoming Events: 1) Completion of commissioning. 2) As-built documents.

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23 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	Notable Events: Final project closeout report completed. Risks: None. Lessons Learned: LL have been documented. Upcoming Events: Capitalization.
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	Notable Events: 1) Mini Lehman review held 7/7/11. 2) Issued PEP and Acquisition Strategy 8/19. Risks: None. Lessons Learned: None identified at this time. Upcoming Events: Financial closeout.
25 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	Notable Events: Risks: Lessons Learned: Upcoming Events: Financial closeout.
26 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	Notable Events: 1) Phase 2 fit-up complete. 2) Project completed well under budget. Risks: None identified. Lessons Learned: 2-day project development period was too short. Upcoming Events: Financial closeout.
27 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 - Apr 2012		63%	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Met Tower complete. 2) Ground Water Treatment, Phase 1 complete. 3) B5 Canopy Removal complete. 4) B52 trench complete. 5) Punchlist items complete. Risks: Maintaining 25A excavation during winter (SERC). Lessons Learned: Lessons learned meeting conducted with staff. Upcoming Events: GWT Relocation, Phase 2 in FY2012.
UC PROJECTS IN CLOSEOUT												
28 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	Notable Events: Final closeout is underway. Risks: Latent defects from contractor. Lessons Learned: Design/Build process. Upcoming Events: 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).
 Stoplights - 2=green, 1=yellow, 0=red

March 29, 2012