

Project List - May 2012
Facilities: Capital Projects

Project Name	Project Team	TPC (\$M)	Costs (\$M) 04/30/12	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	\$15.000	\$0.000	\$15.000	Construction	Sep 2009 - Jun 2012	Cx: Jan-Apr 2012 (B74) T2O: Jun 2012 (B74)	27%	0.97 0.99 2.18	● Scope ● Schedule ● Budget	Notable Events: 1) B74 finishes complete on 2nd and 3rd floor; completing 1st floor finishes. 2) Punchlist underway at 2nd and 3rd floors. 3) Commissioning of Building Systems continuing. 4) Courtyard pavers and site concrete installed. 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) Remaining punchlists. 3) Finalize commissioning of Lab equipment and HVAC systems. 4) Partial occupancy of office spaces.
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	\$40.163	\$5.421	\$81.089	Construction	Sep 2009 - Apr 2014	Cx: Mar-Jul 2013 (GPL) T2O: Aug 2013 (GPL)	27%	0.97 0.99 2.18	● Scope ● Schedule ● Budget	Notable Events: 1) B74 construction work continuing. 2) GPL steel erection, decking, site utilities, post-steel-erection foundation, and concrete perimeter wall work underway. 3) B85 deductive change order approved (\$206k). 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 steel erection, decking, and site utilities completion. 2) GPL underslab backfill, CUP grading and foundation work. 3) B85 HPCW relocation & drilled piers. 4) B74 beneficial occupancy in June 2012.
3	User Test Bed Facility (ARRA)	R Stanton, PD G Sanen, PM J Patterson, CM C Murray, Admin J Tang, PC	\$15.900	\$2.103	\$1.600	\$15.900	Bidding & Award	Apr 2012 - Sep 2013	Cx: Jun-Sep 2013 T2O: Sep 2013	36%	N/A N/A 1.49	● Scope ● Schedule ● Budget	Notable Events: 1) CD-2/3 approval received on 05/16/2012. Risks: Moves out of trailers to allow for demolition. Lessons Learned: None at this time. Upcoming Events: 1) Award contracts to Overaa and Cal Bay and issue NTPs.
4	Bldg. 77 Rehab Ph2 Construction	D Nielsen, PD D Brunkow, CM TBD, Admin	\$13.359	\$13.208	\$0.002	\$13.359	Post-construction Commissioning	Nov 2007 - Nov 2009		TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Project will use \$64K of \$166K sales tax refund to perform mechanical alterations in Bldg. 77 Room 156. 2) Installation underway. Risks: Two-week schedule to perform demolition and installation. MRO maintenance on exhaust equipment to complete within schedule. Lessons Learned: None. Upcoming Events: Shutdown planning for May 2012 duct work upgrade.
5	Bldg. 45 Seismic Upgrade/ Replacement	D Nielsen, PD D Brunkow, CM C Murray, Admin J Tang, PC	\$1.630	\$0.420	\$0.192	\$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: 1) Subcontractor completed provisions for FD equipment and moveout of equipment to site storage. 2) Subcontractor completed deactivation of utilities. Risks: 1) Structural steel fabrication per schedule due to RFIs per drawing documents and submittal responses per A&E review. 2) Undocumented field conditions. 3) Demolition vibration impacts to ALS. 4) Vehicle and pedestrian traffic not adhering to signs. Lessons Learned: Design followed LBNL standards and estimate reflected rates for private industry practice. Upcoming Events: Building demolition and concrete removal with excavations for footings.
6	Bldg. 15 M&V	D Nielsen, PD L Begley, CM	\$0.071	\$0.015	\$0.003	\$0.053	Post-construction Commissioning	Jan 2012 - May 2013	Cx: 2012-2013	N/A	N/A	● Scope ● Schedule ● Budget	Notable Events: LBNL validated BTU meter readings and KW readings for subcontractor to correct. Risks: 1) Schedule for monthly energy recordings are pending corrections. 2) Client's installed server load not sufficient to complete final commissioning or begin PG&E rebate. Lessons Learned: None. Upcoming Events: Schedule date for corrections to electric meters and BTU meters.
7	OSF NERSC N7 Site Preparation	D Nielsen, PD C Taberski, CM S Cheeseboro, Admin	\$0.330	\$0.098	\$0.054	\$0.330	Design	Jan 2012 - Jun 2012		TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) In design per Client selected option 1. 2) PG&E Rebate application completed with site tour. Risks: 1) Use of existing underground conduits and reconfiguration of existing equipment. 2) Shutdown coordination with operations. 3) Schedule for bids to meet server delivery. Lessons Learned: Construction Barrier requirements for Main Floor from N6 project. Upcoming Events: 1) Final Drawings and Specification Docs ready for bids. 2) Independent Design Review and Red Team review.
8	NERSC Relocation Project (NRP)	S Swanson, PD H Martinez, PM T Kemper, CM S Cheeseboro, Admin J Tang, PC	\$19.980	\$0.685	\$2.562	\$2.500	CD 2/3 Review	Jun 2012 - Dec 2015		11%	N/A	● Scope ● Schedule ● Budget	Notable Events: Successful CD 2/3 review on April 26th, 2012. Risks: Coordination with CRT. Lessons Learned: Allow more time for financial approval and award of design contract. Upcoming Events: 1) ESAAB expected in May 2012. 2) NTP expected May/June 2012.

Project List - May 2012
Facilities: Capital Projects

Project Name	Project Team	TPC (\$M)	Costs (\$M) 04/30/12	Contingency (\$M)	Approved Funding (\$M)	Status	Construction Phase	Commissioning / Transition to Ops	EDIA	SPI CPI RPI	Stop Light	Major Risks/Noteworthy Info
9 Old Town Demolition (FY 2012)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$0.100	\$0.053	\$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 (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	\$0.812	\$0.352	\$0.055	\$0.812	Construction	Nov 2011 - May 2012	Cx: N/A T2O: Jun 2011	25%	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Paving nearly complete. 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.
11 Advanced Biofuels Process Development (Fit-up)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.680	\$0.466	\$0.033	\$0.680	Post-construction Fit-up	Feb 2011 - Mar 2012		24%	N/A	● Scope ● Schedule ● Budget	Notable Events: Project transferred to Engineering. Risks: None. Lessons Learned: Use higher design contingency during early design stages. Upcoming Events: Closeout.
12 JCAP Fit-up and Moves	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.710	\$0.704	\$0.013	\$0.710	Post-construction Fit-up	Apr 2011 - Mar 2012		24%	N/A	● Scope ● Schedule ● Budget	Notable Events: Fit-up complete. Risks: None. Lessons Learned: None. Upcoming Events: Closeout.
13 JCAP Facility Renovation	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$2.000	\$1.621	\$0.128	\$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. Risks: Disruption to operations. Lessons Learned: Include Facilities when budgeting space renovations for proposals. Upcoming Events: Project closeout.
14 Second Campus Planning (FY2012)	D Lockhart, PD G Sanen, PM C Taberski, CM E Beardsley, Admin	\$2.034	\$0.605	\$0.052	\$2.034	Planning	Jul 2014 - Dec 2016	Cx: 2016-2017 T2O: 2016-2017	N/A	N/A	● Scope ● Schedule ● Budget	Notable Events: LRDP NEPA/CEQA consultant placed on subcontract. Risks: 1) Facilities capital cost of money. 2) UC financing. 3) Environmental. Lessons Learned: Complexities due to campus-making involving two institutions. Upcoming Events: Basis of Design Draft 3 review.
15 Northern Move to Potter Street	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.345	\$0.112	\$0.095	\$0.345	Construction	Feb - Mar 2012	Cx: Apr 2012 T2O: May 2012	10%	N/A	● Scope ● Schedule ● Budget	Notable Events: Entered punchlist phase. Risks: 1) Safety. 2) Disruption to operations. Lessons Learned: None identified. Upcoming Events: Punchlist completion.
16 K-base Office Space Fit & Move	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.146	\$0.040	\$0.028	\$0.146	Fit-up	Dec 2011 - Feb 2012	Cx: Feb 2012 T2O: May 2012	TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: Fit-up complete. Risks: Safety. Lessons Learned: None. Upcoming Events: Project closeout.
17 Integrated Bioimaging Center	D Lockhart, PD C Taberski, CM E Beardsley, Admin	\$0.385	\$0.024	\$0.068	\$0.385	Construction	Mar - Jun 2012	Cx: July 2012 T2O: Aug 2012	TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: In construction. Risks: 1) Safety. 2) Disruption to operations. Lessons Learned: Flow requirements for bidding down to Landlords. Upcoming Events: Construction, moves, fit-up.
18 ESD B74 Moves	R Stanton, PD T Galvin, PM M Smithwick, Admin R Larson, PC	\$0.588	\$0.002	\$0.080	\$0.588	Design	Apr - Sep 2012		N/A	N/A	● Scope ● Schedule ● Budget	Notable Events: Developing scope for contractor fit-ups. Risks: Seismic Ph 2-B74 contractor's finish delays move project. Lessons Learned: None. Upcoming Events: Start lab moves in Aug 2012.
UC PROJECTS												
19 Computational Research & Theory Facility	S Swanson, PD H Martinez, PM A Azarkhish, PM T Kemper, CM S Cheeseboro, Admin J Tang, PC	\$124.944	\$18.921	\$5.403	\$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. Bids to date are slightly under budget. 2) Underground utilities 90% complete. Risks: Coordination with NRP. Lessons Learned: Increase number of bidders and prepare more complete documents. Upcoming Events: 1) Earthwork to start May 2012. 2) Remaining (7%) bids due Jun-Oct 2012.
20 Solar Energy Research Center	S Swanson, PD J Feher, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$54.400	\$8.877	\$1.959	\$9.800	Bid Evaluation	Nov 2012 - Oct 2014	Cx: Apr 2013-Oct 2014 T2O: Oct 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. 3) Augmentation request.

Project List - May 2012
Facilities: Capital Projects

Project Name	Project Team	TPC (\$M)	Costs (\$M) 04/30/12	Contingency (\$M)	Approved Funding (\$M)	Status	Construction Phase	Commissioning / Transition to Ops	EDIA	SPI CPI RPI	Stop Light	Major Risks/Noteworthy Info
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	\$33.171	\$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	\$7.970	\$0.003	\$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: 1) Conventional facilities commissioning complete. 2) As-built documents received. Risks: None. Lessons Learned: Electrical contractor for BELLA did not perform quality work. Upcoming Events: Final invoice from contractor.
23 B71 Bathroom & Shower Install	D Lockhart, PD G Sanen, PM E Beardsley, Admin	\$0.166	\$0.164	\$0.000	\$0.166	Closeout	Jan - Mar 2012		28%	N/A	● Scope ● Schedule ● Budget	Notable Events: Construction completed. Risks: None. Lessons Learned: Better up-front estimates for small projects. Upcoming Events: Financial closeout.
24 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	\$17.763	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.
25 Prep for CRT Power Upgrade	J. O'Hearn, PD H Martinez, PM S Cheeseboro, Admin	\$0.165	\$0.157	\$0.006	\$0.165	Closeout	Mar 2011 - Sept 2011		N/A	N/A	● Scope ● Schedule ● Budget	Notable Events: Completed. Risks: None. Lessons Learned: None. Upcoming Events: Financial closeout.
26 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.
27 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: Risks: None. Lessons Learned: 2-day project development period was too short. Upcoming Events: Financial closeout.
28 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 - Sep 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. 6) Final payment approved. Risks: Maintaining 25A excavation (SERC). Lessons Learned: Lessons learned meeting conducted with staff. Upcoming Events: GWT Relocation, Phase 2 in FY2012.
UC PROJECTS IN CLOSEOUT												
29 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: None. 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

May 24, 2012