

Project List - October 2011
Facilities: Capital Projects

Project Name	Project Team	TPC (\$M)	Costs (\$M) 09/30/11	Contingency (\$M)	Approved Funding (\$M)	Status	Construction Phase	EDIA	SPI CPI RPI	Stop Light	Major Risks/Noteworthy Info
ACTIVE PROJECTS											
1 B51/Bevatron Demo (Non-ARRA)	J O'Hearn, PD B Cronin, PM J Patterson, CM E Beardsley, Admin L Atkinson, PC	\$35.7	\$27.3	\$4.5	\$35.7	Demolition	Aug 2008 - Dec 2011	33%	0.96 1.01 1.53	● Scope ● Schedule ● Budget	Notable Events: 1) Slab and foundation demo began December and will continue through Fall 2011. 2) Completed shipping of known LLW to NNSS. Risks: 1) Quantity of soil to be classified as LLW. 2) Weather delay. 3) Tritium, PCB and VOC in soil. Lessons Learned: Document posted to eRoom; updated through June 2010. Upcoming Events: 1) Continue processing and crushing of "clean" concrete for reuse as fill. 2) Continue backfill of accelerator area.
2 Seismic Phase 2 - PED/Construction (Non-ARRA)	R Stanton, PD J Heffernan, PM D Beaton, CM L Sangmaster, Admin R Larson, PC	\$82.1	\$25.3	\$7.5	\$68.8	Construction	Sep 2009 - Apr 2014	27%	0.99 0.99 1.39	● Scope ● Schedule ● Budget	Notable Events: 1) B74 construction work continuing. 2) B28 electrical ductbank installation complete. 3) B85 utility potholing and investigation underway. 4) B85 lower yard concrete removal underway. Risks: 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. Lessons Learned: Applying LL from SPh1 (Pre-constr.) & USB (Soil Characterization). Upcoming Events: 1) GPL site clearing and grading. 2) B85 drilled piers. 3) B74 substantial completion in March 2012.
3 Seismic Phase 2 - Construction (ARRA)	R Stanton, PD T Galvin, PM D Cota, CM M Smithwick, Admin R Larson, PC	\$15.0	\$13.6	\$0.0	\$15.0	Construction	Sep 2009 - Nov 2011	27%	0.99 0.99 1.39	● Scope ● Schedule ● Budget	Notable Events: 1) B74 MEP continuing. 2) Finishes: paint, casework, countertops, and flooring preparation underway. 3) Sitework continuing. Risks: Spending below ARRA spend plan. Lessons Learned: Applying LL from SPh1-Contractor JHA & Pre-Construction docs. Upcoming Events: 1) Preparation for site utility connections. 2) Permanent power for commissioning.
4 User Test Bed Facility (ARRA)	R Stanton, PD G Sanen, PM D Beaton, CM J Ocean, Admin J Tang, PC	\$15.9	\$1.4	\$2.6	\$15.9	Design	Feb 2012 - Mar 2013	36%	N/A N/A 1.93	● Scope ● Schedule ● Budget	Notable Events: Received 100% Final Design submittal; review underway. Risks: Construction costs within budget; final cost estimate due Oct 21. Lessons Learned: None at this time. Upcoming Events: 1) Review comments due to A/E team on Oct 24. 2) Issue For Bid documents. 3) 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	57%	N/A	● Scope ● Schedule ● Budget	Notable Events: 75% Design reviewed with comments. Risks: 1) Cost estimate at 100% may exceed budget. 2) Undocumented field conditions. Lessons Learned: None Upcoming Events: Completion of design.
6 NERSC Relocation Project (NRP)	J. O'Hearn, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin	\$20.0	\$0.1	\$3.2	\$0.5	Construction Documents	Sept 2011 - Dec 2015	12%	N/A	● Scope ● Schedule ● Budget	Notable Events: Lehman NRP review on July 7, 2011; report received July 14, 2011. Risks: Judge's NEPA ruling after Hearing on 10/20 could delay project. Lessons Learned: Allow more time for financial approval and award of design contract. Upcoming Events: 1) Legal issues in progress. 2) Bid all work Dec 2011 - Feb 2012.
7 Bevatron Parking Lot	J O'Hearn, PD B Cronin, PM J Patterson, CM E Beardsley, Admin L Atkinson, PC	\$0.8	\$0.0	\$0.1	\$0.0	Awaiting Funding Approval for Construction	Nov 2011 - Apr 2012	TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Design is 99% complete. 2) Waiting to select lighting alternate. Risks: Trip hazards and drainage issues at EPB Hall area. Lessons Learned: None at this time. Upcoming Events: Bid period.
8 Old Town Demolition (FY 2012)	S Swanson, PD T Mankowski, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$0.1	\$0.0	\$0.1	\$0.1	Design (Ph 2 GWT System)	Oct 2011 - Apr 2012	TBD	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Work depends on SERC Schedule. Risks: Maintaining 25A excavation during winter (SERC). Lessons Learned: Lessons learned meeting conducted with staff. Upcoming Events: GWT Relocation, Phase 2.
9 BELLA Conventional Facilities	D Lockhart, PD G Sanen, PM D Brunkow, CM J Ocean, Admin J Coyne, PC	\$8.0	\$7.7	\$0.1	\$8.0	Construction	Sep 2010 - Nov 2011	33%	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Laser bay complete. 2) Air handlers powered. Risks: Construction safety. Lessons Learned: Existing "As-Built" documentation for Bldg. 71 is deficient or incomplete. Upcoming Events: Beneficial occupancy and commissioning.
10 Advanced Biofuels Process Development (Tenant Improvement & Fit-up)	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$8.3	\$7.1	\$0.1	\$8.3	Post-construction Fit-up	Jul 2010 - Jan 2011	TIs 10% Fitup 24%	N/A	● Scope ● Schedule ● Budget	Notable Events: Advance biofuel fermenters are fully operational. Risks: Research equipment behind schedule. Lessons Learned: Use higher design contingency during early design stages. Upcoming Events: DOE scheduling an operational readiness review.

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11 JCAP Fit-up and Moves	D Lockhart, PD C Taberski, CM J Ocean, Admin	\$0.7	\$0.5	\$0.00	\$0.7	Post-construction Fit-up	Apr 2011 - Sep 2011	24%	N/A	● Scope ● Schedule ● Budget	Notable Events: 1) Research operations started. 2) Fitup in progress. Risks: Prolonged research equipment delivery schedule. Lessons Learned: None identified at this time. Upcoming Events: Fit-up of research equipment.
12 B71 Bathroom & Shower Install	D Lockhart, PD G Sanen, PM E Beardsley, Admin	\$0.2	\$0.0	\$0.0	\$0.2	Design	Oct 2011 - Jan 2012	28%	N/A	● Scope ● Schedule ● Budget	Notable Events: \$150K approved by J. Krupnick to proceed with project. Risks: None identified at this time. Lessons Learned: None at this time. Upcoming Events: 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	\$1.0	\$0.3	\$3.0	Planning	Mar 2011 - Sep 2011 Construction 2014 - 2016	N/A	N/A	● Scope ● Schedule ● Budget	Notable Events: Due diligence studies completed. Risks: 1) Facilities capital cost of money. 2) UC financing. 3) Environmental. Lessons Learned: Plan 2-4 weeks for DOE to approve a public announcement. Upcoming Events: 1) Preferred site selection. 2) Basis of Design. 3) LRDP.
UC PROJECTS											
14 Computational Research & Theory Facility	J O'Hearn, PD H Martinez, PM A Azarkhish, PM D Beaton, CM S Cheeseboro, Admin	\$124.9	\$14.1	\$7.4	\$78.1	Construction Documents	Dec 2011 - Fall 2014	18%	TBD	● Scope ● Schedule ● Budget	Notable Events: 1) Additional funding for DOE funded NRP scope approved for \$20M. 2) Requesting augmentation of \$12M from UCOP. Risks: Judge's NEPA ruling after Hearing on 10/20 could delay project. Lessons Learned: Increase number of bidders and prepare more complete documents. Upcoming Events: 1) Legal issues in progress. 2) Rebidding all work Nov 2011 - Feb 2012. 3) Underground utility construction expected to start Dec 2011.
15 Guest House	T Galvin, PM D Beaton, CM M Smithwick, Admin	\$10.0	\$10.0	\$0.00	\$10.0	Post Construction Activities	Closeout/Warranty	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.
16 Solar Energy Research Center	S Swanson, PD J. Feher, PM T Kemper, CM N Huppler, Admin J Tang, PC	\$54.4	\$8.1	\$2.7	\$9.8	Awaiting State Approval to Go Out for Bid	Mar 2012 - Feb 2014	18%	TBD	● Scope ● Schedule ● Budget	Notable Events: 1) EIR lawsuit filed, February 2011. 2) SPWB "P" approval March 2011. 3) CEQA Hearing held 09/02/11. 4) Submitted "W" package for approval to bid August 2011. 5) Notification by State that SERC will be on November 2011 Bond Sale impacts schedule further. Risks: 1) CEQA lawsuit. 2) Escalation and construction bids. 3) Successful Bond Sale. Lessons Learned: GPL and CRT bid results are being factored in for SERC budget. Upcoming Events: Bidding
PROJECTS IN CLOSEOUT											
17 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	Notable Events: 1) CD-4 obtained September 2010. 2) Final project closeout report drafted. 3) Financial closeout complete. Risks: None. Lessons Learned: LL have been documented. Upcoming Events: 1) Final project closeout report completion. 2) Capitalization.
18 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	Notable Events: 1) Project complete. 2) Financial closeout complete. Risk: None. Lessons Learned: None identified at this time. Upcoming Events:
19 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	Notable Events: 1) Closeout report complete and sent to HQ. 2) Financial close complete. 3) Capitalization complete. Risks: None. Lessons Learned: Documented and posted to eRoom. Upcoming Events: 1) Final commissioning report. 2) Waiting for ARRA close out.
20 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	Notable Events: ARRA closeout report complete. Risks: None. Lessons Learned: Documented and posted to eRoom. Upcoming Events: Payment of Cx Agent retention and final ARRA close out.
21 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	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.

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22 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	Notable Events: System operational Sept 2010. Risks: Lessons Learned: Start design process earlier. Upcoming Events: Financial closeout.
23 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	Notable Events: System operational Sept 2010. Risks: Lessons Learned: Start design process earlier. Upcoming Events: Financial closeout.
24 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	Notable Events: System operational Sept 2010. Risks: Lessons Learned: Start design process earlier. Upcoming Events: 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	Notable Events: Renovation complete and final invoice paid. Risks: None identified. Lessons Learned: Include Facilities when budgeting space renovations for proposals. Upcoming Events: 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	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	\$1.5	\$1.5	\$0.0	\$1.5	Closeout	Apr 2011 - Oct 2011	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) Punchlist items underway. Risks: Maintaining 25A excavation during winter (SERC). Lessons Learned: Lessons learned meeting conducted with staff. Upcoming Events: GWT Relocation, Phase 2 in FY2012.

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).

October 24, 2011