

Project List - February 2012
Facilities: Capital Projects

| Project Name | Project Team | TPC (\$M) | Costs (\$M) 01/31/12 | 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 | \$14.698 | \$0.000 | \$15.000 | Construction | Sep 2009 - Jun 2012 | Cx: Jan-Apr 2012 (B74) T2O: Jun 2012 (B74) | 27% | 0.97 0.99 2.22 | ● Scope ● Schedule ● Budget | Notable Events: 1) B74 finishes continuing on all floors. 2) B74 site utility connections continuing. 3) Energizing downstream panels underway. 4) Contractor pre-punchlist of 2nd floor underway. Risks: Schedule for move-in to Bldg. 74. Lessons Learned: Applying LL from SPh1-Contractor JHA & Pre-Construction docs. Upcoming Events: 1) Exterior canopies and elastomeric painting. 2) Start-up of building AHUs. 3) Install courtyard between Buildings 74 and 84. |
| 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 | \$35.208 | \$6.436 | \$73.894 | Construction | Sep 2009 - Apr 2014 | Cx: Mar-Jul 2013 (GPL) T2O: Aug 2013 (GPL) | 27% | 0.97 0.99 2.22 | ● 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. Lessons Learned: Applying LL from SPh1 (Pre-constr.) & USB (Soil Characterization). Upcoming Events: 1) GPL site utilities and steel erection completion. 2) GPL metal decking. 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 | \$1.985 | \$2.325 | \$15.900 | Bidding | Mar 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) Review of two lowest proposals and value engineering. 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: Project will use \$166K sales tax refund to perform mechanical alterations in Bldg. 77 Room 156. Risks: Budget may not be sufficient. Lessons Learned: None. Upcoming Events: Contractor confirming quotation. |
| 5 Bldg. 45 Seismic Upgrade/Replacement | D Nielsen, PD D Brunkow, CM C Murray, Admin J Tang, PC | \$1.630 | \$0.229 | \$0.196 | \$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: Bids received. 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: NTP. |
| 6 Bldg. 15 M&V | D Nielsen, PD L Begley, CM | \$0.071 | \$0.003 | \$0.004 | \$0.053 | Post-construction Commissioning | Jan 2012 - Jun 2012 | | N/A | N/A | ● Scope ● Schedule ● Budget | Notable Events: LBNL validated trend points in FMCS for subcontractor to correct. Risks: Schedule for monthly energy recordings pending corrections. Lessons Learned: None. Upcoming Events: |
| 7 OSF NERSC N7 Site Preparation | D Nielsen, PD C Taberski, CM S Cheeseboro, Admin | \$0.210 | \$0.000 | \$0.000 | \$0.210 | Design | Jan 2012 - May 2012 | | TBD | N/A | ● Scope ● Schedule ● Budget | Notable Events: In design. Risks: Use of existing conduits and equipment. Lessons Learned: None. Upcoming Events: Design documents for bidding. |
| 8 NERSC Relocation Project (NRP) | S Swanson, PD H Martinez, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC | \$20.000 | \$0.578 | \$3.262 | \$2.500 | Bidding | Jun 2012 - Dec 2015 | | 11% | N/A | ● Scope ● Schedule ● Budget | Notable Events: Favorable NEPA ruling from judge received 11/18/11. Risks: Bids higher than budget. Lessons Learned: Allow more time for financial approval and award of design contract. Upcoming Events: 1) Bid all work Jan-Mar 2012. 2) 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 | \$0.050 | \$0.000 | \$0.100 | Design (Ph 2 GWT System) | Jun 2012 - Jul 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 July 2012. |
| 10 Bevatron Parking Lot | J O'Hearn, PD T Mankowski, PM J Patterson, CM E Beardsley, Admin J Tang, PC | \$0.741 | \$0.061 | \$0.067 | \$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 being evaluated. Risks: Trip hazards and drainage issues at EPB Hall area. Lessons Learned: Referring to Bevatron Lessons Learned. Upcoming Events: Paving. |

Project List - February 2012
Facilities: Capital Projects

| Project Name | Project Team | TPC (\$M) | Costs (\$M) 01/31/12 | Contingency (\$M) | Approved Funding (\$M) | Status | Construction Phase | Commissioning / Transition to Ops | EDIA | SPI CPI RPI | Stop Light | Major Risks/Noteworthy Info |
|---|---|-----------|----------------------|-------------------|------------------------|--------------------------|---|--|------|---------------------|-----------------------------------|---|
| 11 Advanced Biofuels Process Development (Fit-up) | D Lockhart, PD C Taberski, CM J Ocean, Admin | \$0.680 | \$0.426 | \$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 | \$0.689 | \$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 (FY2012) | D Lockhart, PD C Taberski, CM J Ocean, Admin | \$2.000 | \$1.579 | \$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: Started construction on fume hood addition. Risks: 1) Construction safety. 2) Disruption to operations. Lessons Learned: Include Facilities when budgeting space renovations for proposals. Upcoming Events: Fume hoods installation. |
| 14 B71 Bathroom & Shower Install | D Lockhart, PD G Sanen, PM E Beardsley, Admin | \$0.166 | \$0.006 | \$0.003 | \$0.166 | Construction | Jan - Mar 2012 | | 28% | N/A | ● Scope ● Schedule ● Budget | Notable Events: Construction in progress. Risks: 3% contingency going into construction. Lessons Learned: Better up-front estimates for small projects. Upcoming Events: Construction completion. |
| 15 Second Campus Planning (FY2012) | D Lockhart, PD G Sanen, PM C Taberski, CM E Beardsley, Admin | \$2.034 | \$0.151 | \$0.068 | \$2.034 | Planning | Jul 2014 - Dec 2016 | Cx: 2016-2017 T2O: 2016-2017 | N/A | N/A | ● Scope ● Schedule ● Budget | Notable Events: 1) Identified preferred site. 2) Biosciences programming retreat held. 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. 2) LRDP. |
| 16 Northern Move to Potter Street | D Lockhart, PD C Taberski, CM E Beardsley, Admin | \$0.345 | \$0.003 | \$0.054 | \$0.345 | Construction | Feb - Mar 2012 | Cx: Apr 2012 T2O: May 2012 | 10% | N/A | ● Scope ● Schedule ● Budget | Notable Events: NTP. Risks: 1) Safety. 2) Disruption to operations. Lessons Learned: None identified. Upcoming Events: Construction completion. |
| 17 K-base Office Space Fit & Move | D Lockhart, PD C Taberski, CM E Beardsley, Admin | \$0.146 | \$0.017 | \$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. |
| UC PROJECTS | | | | | | | | | | | | |
| 18 Computational Research & Theory Facility | S Swanson, PD H Martinez, PM A Azarkhish, PM D Beaton, CM S Cheeseboro, Admin L Atkinson, PC | \$124.944 | \$15.955 | \$6.013 | \$78.125 | Bidding | Dec 2011 - Fall 2014 | Cx: Mar - Aug 2014 T2O: Sep 2014 | 18% | TBD | ● Scope ● Schedule ● Budget | Notable Events: 1) Regents approved \$12M augmentation. 2) Utilities started Dec 2011. Risks: Construction bids within budget. Lessons Learned: Increase number of bidders and prepare more complete documents. Upcoming Events: Rebidding all work through Mar 2012. |
| 19 Solar Energy Research Center | S Swanson, PD J. Feher, PM T Kemper, CM N Huppler, Admin J Tang, PC | \$54.400 | \$8.518 | \$2.407 | \$9.800 | Bidding | Apr 2012 - Mar 2014 | Cx: Nov 2013-Jan 2014 T2O: Mar 2014 | 18% | TBD | ● Scope ● Schedule ● Budget | Notable Events: Received approval to bid in January 2012. Risks: 1) Escalation and construction bids. 2) SPWB and UCOP approval to award contracts. Lessons Learned: GPL and CRT bid results are being factored in for SERC budget. Upcoming Events: 1) Bidding. 2) NTP. |
| PROJECTS IN CLOSEOUT | | | | | | | | | | | | |
| 20 B51/Bevatron Demo (Non-ARRA) | J O'Hearn, PD B Cronin, PM J Patterson, CM E Beardsley, Admin L Atkinson, PC | \$35.699 | \$31.003 | \$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. |
| 21 BELLA Conventional Facilities | D Lockhart, PD G Sanen, PM D Brunkow, CM J Ocean, Admin J Coyne, PC | \$7.973 | \$7.930 | \$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: Beneficial Occupancy achieved. Risks: Latent claims for additional compensation. Lessons Learned: Electrical contractor for BELLA did not perform quality work. Upcoming Events: 1) Completion of commissioning. 2) Completion of punchlist. |
| 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 | Notable Events: Final project closeout report completed. Risks: None. Lessons Learned: LL have been documented. Upcoming Events: Capitalization. |

Project List - February 2012
Facilities: Capital Projects

| Project Name | Project Team | TPC (\$M) | Costs (\$M) 01/31/12 | Contingency (\$M) | Approved Funding (\$M) | Status | Construction Phase | Commissioning / Transition to Ops | EDIA | SPI CPI RPI | Stop Light | Major Risks/Noteworthy Info |
|---|--|-----------|----------------------|-------------------|------------------------|---------------------|----------------------|-----------------------------------|----------------------|-------------|-----------------------------------|---|
| 23 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. |
| 24 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 | Notable Events: System operational Sept 2010. Risks: Lessons Learned: Start design process earlier. Upcoming Events: Financial closeout. |
| 25 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 | Notable Events: System operational Sept 2010. Risks: Lessons Learned: Start design process earlier. Upcoming Events: Financial closeout. |
| 26 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 | Notable Events: System operational Sept 2010. Risks: Lessons Learned: Start design process earlier. Upcoming Events: Financial closeout. |
| 27 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. |
| 28 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. |
| 29 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 - Jan 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 | | | | | | | | | | | | |
| 30 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).

February 23, 2012