### Project List - November 2011

#### Facilities: Capital Projects

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Team</th>
<th>TPC (SM)</th>
<th>Costs ($M)</th>
<th>Contingency ($M)</th>
<th>Approved Funding ($M)</th>
<th>Status</th>
<th>Construction Phase</th>
<th>EDIA</th>
<th>SPI</th>
<th>CPI</th>
<th>RPI</th>
<th>Stop</th>
<th>Light</th>
<th>Major Risks/Noteworthy Info</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACTIVE PROJECTS</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>1</strong></td>
<td>B83/Bevatron Demo (Non-ARRA)</td>
<td>J. Orheim, PD</td>
<td>D. Chen, PM</td>
<td>J. Patterson, CM</td>
<td>E. Beardley, Admin</td>
<td>L. Atkinson, PC</td>
<td>$35.7</td>
<td>$28.4</td>
<td>$4.5</td>
<td>$35.7</td>
<td>Demolition</td>
<td>Aug 2008 - Jan 2012</td>
<td>32%</td>
<td>0.98</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Seismic Phase 2 - Construction (ARRA)</td>
<td>R. Stanton, PD</td>
<td>J. Heffernan, PM</td>
<td>D. Beaton, CM</td>
<td>M. Smithwick, Admin</td>
<td>R. Larson, PC</td>
<td>$15.0</td>
<td>$13.9</td>
<td>$0.0</td>
<td>$15.0</td>
<td>Construction</td>
<td>Sep 2009 - Feb 2012</td>
<td>27%</td>
<td>0.98</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>Seismic Phase 2 - PED/Construction (Non-ARRA)</td>
<td>R. Stanton, PD</td>
<td>J. Heffernan, PM</td>
<td>D. Beaton, CM</td>
<td>L. Sangmeister, Admin</td>
<td>R. Larson, PC</td>
<td>$82.1</td>
<td>$27.5</td>
<td>$7.5</td>
<td>$70.5</td>
<td>Construction</td>
<td>Sep 2009 - Apr 2014</td>
<td>27%</td>
<td>0.98</td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>User Test Bed Facility (ARRA)</td>
<td>R. Stanton, PD</td>
<td>G. Sane, PM</td>
<td>D. Beaton, CM</td>
<td>J. Ocean, Admin</td>
<td>J. Tang, PC</td>
<td>$15.9</td>
<td>$1.6</td>
<td>$2.4</td>
<td>$15.9</td>
<td>Design</td>
<td>Feb 2012 - Mar 2013</td>
<td>36%</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>5</strong></td>
<td>Bldg. 45 Seismic Upgrade/Replacement</td>
<td>D. Nielsen, PD</td>
<td>H. Martinez, PM</td>
<td>D. Beaton, CM</td>
<td>S. Chowdhury, Admin</td>
<td>J. Tang, PC</td>
<td>$1.6</td>
<td>$0.1</td>
<td>$0.2</td>
<td>$1.6</td>
<td>Design</td>
<td>Jan 2012 - Dec 2012</td>
<td>56%</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>NERSC Relocation Project (NRP)</td>
<td>J. Orheim, PD</td>
<td>H. Martinez, PM</td>
<td>D. Beaton, CM</td>
<td>S. Chowdhury, Admin</td>
<td>L. Atkinson, PC</td>
<td>$20.0</td>
<td>$0.3</td>
<td>$3.2</td>
<td>$0.5</td>
<td>Construction Documents</td>
<td>Sept 2011 - Dec 2015</td>
<td>12%</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>7</strong></td>
<td>Bevatron Parking Lot</td>
<td>J. Orheim, PD</td>
<td>T. Markowski, PM</td>
<td>J. Patterson, CM</td>
<td>E. Beardley, Admin</td>
<td>J. Tang, PC</td>
<td>$0.81</td>
<td>$0.05</td>
<td>$0.06</td>
<td>$0.04</td>
<td>Design</td>
<td>Nov 2011 - Apr 2012</td>
<td>25%</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>Old Town Demolition (FY 2012)</td>
<td>S. Swanson, PD</td>
<td>T. Markowski, PM</td>
<td>T. Kemper, CM</td>
<td>N. Huppner, Admin</td>
<td>J. Tang, PC</td>
<td>$0.10</td>
<td>$0.04</td>
<td>$0.00</td>
<td>$0.10</td>
<td>Design (Ph 2 GWT System)</td>
<td>Mar 2012 - Jun 2012</td>
<td>27%</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>9</strong></td>
<td>BELLA Conventional Facilities</td>
<td>D. Lockhart, PD</td>
<td>G. Sane, PM</td>
<td>D. Beaton, CM</td>
<td>J. Ocean, Admin</td>
<td>J. Joyce, PC</td>
<td>$8.0</td>
<td>$7.7</td>
<td>$0.0</td>
<td>$8.0</td>
<td>Construction</td>
<td>Sep 2010 - Nov 2011</td>
<td>33%</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>10</strong></td>
<td>Advanced Biofuels Process Development (Fit-up)</td>
<td>D. Lockhart, PD</td>
<td>T. Markowski, PM</td>
<td>J. Ocean, Admin</td>
<td></td>
<td></td>
<td>$0.68</td>
<td>$0.38</td>
<td>$0.11</td>
<td>$0.68</td>
<td>Post-construction Fit-up</td>
<td>Feb 2011 - Mar 2012</td>
<td>24%</td>
<td>N/A</td>
</tr>
<tr>
<td>Project Name</td>
<td>Project Team</td>
<td>TPC Costs (SM)</td>
<td>Contingency (SM)</td>
<td>Approved Funding (SM)</td>
<td>Status</td>
<td>Construction Phase</td>
<td>EDIA CPI</td>
<td>SPI CPI</td>
<td>Stop Light</td>
<td>Major Risks/Noteworthy Info</td>
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<tr>
<td>11 JCAP Fit-up and Moves</td>
<td>D. Lockhart, PD, C. Tabakoski, CM</td>
<td>$0.71</td>
<td>$0.54</td>
<td>$0.00</td>
<td>$0.71</td>
<td>Post-construction Fit-up</td>
<td>Apr 2011 - Sep 2011</td>
<td>24%</td>
<td>N/A</td>
<td></td>
<td>Notable Events: 1) Research operations started. 2) Fit-up in progress.</td>
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<tr>
<td>12 B71 Bathroom &amp; Shower Install</td>
<td>D. Lockhart, PD, G. Saner, PM, E. Beardsley, Admin</td>
<td>$0.15</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.15</td>
<td>Design</td>
<td>Oct 2011 - Jan 2012</td>
<td>28%</td>
<td>N/A</td>
<td></td>
<td>Notable Events: $150K approved by J. Krupnick to proceed with project.</td>
<td></td>
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</tr>
<tr>
<td>13 Second Campus Planning</td>
<td>D. Lockhart, PD, G. Saner, PM, C. Tabakoski, CM, E. Beardsley, Admin</td>
<td>$3.00</td>
<td>$0.80</td>
<td>$0.20</td>
<td>$3.00</td>
<td>Planning</td>
<td>2014 - 2016</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td>Notable Events: Due diligence studies completed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 Computational Research &amp; Theory Facility</td>
<td>J. Ohlson, PD, H. Martinez, PM, A. Abanish, PM, D. Beaton, CM, S. Cheesebor, Admin, L. Atkinson, PC</td>
<td>$124.9</td>
<td>$14.1</td>
<td>$7.4</td>
<td>$78.1</td>
<td>Bidding</td>
<td>Dec 2011 - Fall 2014</td>
<td>18%</td>
<td>TBD</td>
<td></td>
<td>Notable Events: 1) Favorable NEPA ruling from judge received 11/18/11. 2) Additional funding for DOE funded NPR scope approved for $20M. 3) Requesting augmentation of $124M from UCOP.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>15 Solar Energy Research Center</td>
<td>S. Swanson, PM, J. Pehr, PM, T. Kemper, CM, N. Hulpener, Admin, J. Yang, PC</td>
<td>$54.4</td>
<td>$8.3</td>
<td>$2.5</td>
<td>$9.8</td>
<td>Awaiting State Approval to Go Out for Bid</td>
<td>Mar 2012 - Feb 2014</td>
<td>18%</td>
<td>TBD</td>
<td></td>
<td>Notable Events: 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.</td>
<td></td>
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</tr>
<tr>
<td>16 Seismic Phase 1 (B50 &amp; B74)</td>
<td>R. Stanton, PD, T. Galvin, PM, D. Brunkow, CM, J. Ocean, Admin, R. Larsen, PC</td>
<td>$18.0</td>
<td>$17.8</td>
<td>$0.0</td>
<td>$18.0</td>
<td>Closeout</td>
<td>Jan 2009 - Sep 2010</td>
<td>37%</td>
<td>1.00</td>
<td>1.00</td>
<td>Notable Events: 1) CD-4 obtained September 2010. 2) Final project closeout report drafted. 3) Financial closeout complete.</td>
<td></td>
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</tr>
<tr>
<td>17 Centennial Bridge Retaining Wall Repair</td>
<td>R. Stanton, PD, T. Galvin, PM, D. Brunkow, CM, M. Smithwick, Admin, S. Cheesebor, Admin, L. Atkinson, PC</td>
<td>$0.11</td>
<td>$0.09</td>
<td>$0.00</td>
<td>$0.11</td>
<td>Closeout</td>
<td>Mar 2011 - Jun 2011</td>
<td>32%</td>
<td>N/A</td>
<td></td>
<td>Notable Events: 1) Project complete. 2) Financial closeout complete.</td>
<td></td>
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</tr>
<tr>
<td>18 User Support Building (Non-ARRA)</td>
<td>J. Hartins, PD, R. Schaefer, PM, T. Kemper, CM, K. Brittin, Admin, L. Atkinson, PC</td>
<td>$20.4</td>
<td>$20.4</td>
<td>$0.0</td>
<td>$20.4</td>
<td>Commissioning / Closeout</td>
<td>Aug 2008 - Mar 2011</td>
<td>28%</td>
<td>1.00</td>
<td>1.00</td>
<td>Notable Events: 1) Closeout report complete and sent to HQ. 2) Financial closeout complete. 3) Capitalization complete.</td>
<td></td>
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</tr>
<tr>
<td>20 Prep for CRT Power Upgrade</td>
<td>J. Ohlson, PD, H. Martinez, PM, S. Cheesebor, Admin, T. Galvin, PM, D. Beaton, CM, S. Cheesebor, Admin, L. Atkinson, PC</td>
<td>$0.17</td>
<td>$0.10</td>
<td>$0.01</td>
<td>$0.17</td>
<td>Closeout</td>
<td>Mar 2011 - Sept 2011</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td>Notable Events: 1) Mini Lehman review held 7/7/11. 2) Issued PEP and Acquisition Strategy W/15.</td>
<td></td>
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</tr>
<tr>
<td>21 NERSC 6 Systems Site Preparation</td>
<td>D. Lockhart, PD, H. Martinez, PM, D. Beaton, CM, S. Cheesebor, Admin, L. Atkinson, PC</td>
<td>$1.8</td>
<td>$1.6</td>
<td>$0.2</td>
<td>$1.8</td>
<td>Closeout</td>
<td>Jul 2009 - Nov 2010</td>
<td>21%</td>
<td>N/A</td>
<td></td>
<td>Notable Events: System operational Sept 2010.</td>
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</tr>
</tbody>
</table>

**Notable Events:**
- 1) Research operations started.
- 2) Fit-up in progress.
- 3) Additional funding for DOE funded NPR scope approved for $20M.
- 4) Requesting augmentation of $124M from UCOP.
- 5) Favorable NEPA ruling from judge received 11/18/11.
- 6) Final project closeout report drafted.
- 7) Financial closeout complete.
- 8) CD-4 obtained September 2010.
- 9) Closeout report complete and sent to HQ.
- 10) ARRA closeout report complete.
- 11) Mini Lehman review held 7/7/11.
- 12) Issued PEP and Acquisition Strategy W/15.

**Lessons Learned:**
- None identified at this time.
## Project List - November 2011

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Team</th>
<th>TPC ($M)</th>
<th>Costs ($M)</th>
<th>Contingency ($M)</th>
<th>Approved Funding ($M)</th>
<th>Status</th>
<th>Construction Phase</th>
<th>EDIA</th>
<th>CPI</th>
<th>RPI</th>
<th>Notable Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSF 3 MW Upgrade (Non-ARRA)</td>
<td>D Lockhart, PD H Martinez, PM</td>
<td>$1.4</td>
<td>$1.4</td>
<td>$0.0</td>
<td>$1.4</td>
<td>Closeout</td>
<td>Aug 2009 - May 2011</td>
<td>21%</td>
<td>N/A</td>
<td>N/A</td>
<td>Scope, Schedule, Budget, Notable Events: System operational Sept 2010.</td>
</tr>
<tr>
<td>OSF 3 MW Upgrade (ARRA)</td>
<td>D Lockhart, PD H Martinez, PM</td>
<td>$5.8</td>
<td>$5.8</td>
<td>$0.0</td>
<td>$5.8</td>
<td>Closeout</td>
<td>Aug 2009 - May 2011</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Scope, Schedule, Budget, Notable Events: System operational Sept 2010.</td>
</tr>
<tr>
<td>Advanced Biofuels Process Development (Tenant Improvement)</td>
<td>D Lockhart, PD C Tabanski, CM J Ocean, Admin</td>
<td>$7.6</td>
<td>$6.8</td>
<td>$0.0</td>
<td>$7.6</td>
<td>Closeout</td>
<td>Jul 2010 - Jan 2011</td>
<td>10%</td>
<td>N/A</td>
<td>N/A</td>
<td>Scope, Schedule, Budget, Notable Events: Use higher design contingency during early design stages.</td>
</tr>
<tr>
<td>JCAP Facility Renovation</td>
<td>D Lockhart, PD C Tabanski, CM J Ocean, Admin</td>
<td>$2.0</td>
<td>$1.6</td>
<td>$0.4</td>
<td>$2.0</td>
<td>Closeout</td>
<td>Dec 2010 - Mar 2011</td>
<td>14%</td>
<td>N/A</td>
<td>N/A</td>
<td>Scope, Schedule, Budget, Notable Events: Renovation complete and final invoice paid.</td>
</tr>
<tr>
<td>B977 Potter LSD (Tenant Improvement &amp; Fit-up)</td>
<td>D Lockhart, PD C Tabanski, CM J Ocean, Admin</td>
<td>$5.1</td>
<td>$4.8</td>
<td>$0.0</td>
<td>$5.1</td>
<td>Closeout</td>
<td>Jun 2010 - Dec 2010</td>
<td>14%</td>
<td>N/A</td>
<td>N/A</td>
<td>Scope, Schedule, Budget, Notable Events: 1) Phase 2 fit-up complete. 2) Project completed well under budget.</td>
</tr>
<tr>
<td>Old Town Demolition (FY 2011)</td>
<td>S Swanson, PD T Markowski, PM T Kempers, CM N Huppert, Admin j Tang, PC</td>
<td>$1.5</td>
<td>$1.5</td>
<td>$0.0</td>
<td>$1.5</td>
<td>Closeout</td>
<td>Apr 2011 - Oct 2011</td>
<td>63%</td>
<td>N/A</td>
<td>N/A</td>
<td>Scope, Schedule, Budget, Notable Events: 1) Not Tower complete. 2) Ground Water Treatment, Phase 1 complete. 3) 85 Canopy Removal complete. 4) Punchlist Items underway.</td>
</tr>
</tbody>
</table>

### UC PROJECTS IN CLOSEOUT

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Team</th>
<th>TPC ($M)</th>
<th>Costs ($M)</th>
<th>Contingency ($M)</th>
<th>Approved Funding ($M)</th>
<th>Status</th>
<th>Construction Phase</th>
<th>EDIA</th>
<th>CPI</th>
<th>RPI</th>
<th>Notable Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guest House</td>
<td>T Galvin, PM D Beaton, CM M Smithwick, Admin</td>
<td>$10.0</td>
<td>$10.0</td>
<td>$0.0</td>
<td>$10.0</td>
<td>Closeout / Warranty</td>
<td>May 2008 - Aug 2009</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Scope, Schedule, Budget, Notable Events: Final closedout is underway.</td>
</tr>
</tbody>
</table>

### Notes
- **TPC** - Total Project Cost
- **EDIA** - Engineering Design Inspection Acceptance (soft costs)
- **SPI/CP/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).

November 28, 2011

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**Projects Details**

- **OSF 3 MW Upgrade (Non-ARRA)**
  - Project Team: D Lockhart, PD H Martinez, PM
  - TPC: $1.4
  - Costs: $1.4
  - Contingency: $0.0
  - Approved Funding: $1.4
  - Status: Closeout
  - Construction Phase: Aug 2009 - May 2011
  - EDIA: 21%
  - CPI: N/A
  - RPI: N/A
  - Risks: Not specified.
  - Lessons Learned: Start design process earlier.
  - Upcoming Events: Financial closeout.

- **OSF 3 MW Upgrade (ARRA)**
  - Project Team: D Lockhart, PD H Martinez, PM
  - TPC: $5.8
  - Costs: $5.8
  - Contingency: $0.0
  - Approved Funding: $5.8
  - Status: Closeout
  - Construction Phase: Aug 2009 - May 2011
  - EDIA: N/A
  - CPI: N/A
  - RPI: N/A
  - Risks: Not specified.
  - Lessons Learned: Start design process earlier.
  - Upcoming Events: Financial closeout.

- **Advanced Biofuels Process Development (Tenant Improvement)**
  - Project Team: D Lockhart, PD C Tabanski, CM J Ocean, Admin
  - TPC: $7.6
  - Costs: $6.8
  - Contingency: $0.0
  - Approved Funding: $7.6
  - Status: Closeout
  - Construction Phase: Jul 2010 - Jan 2011
  - EDIA: 10%
  - CPI: N/A
  - RPI: N/A
  - Notable Events: Not specified.
  - Risks: Not specified.
  - Lessons Learned: Use higher design contingency during early design stages.
  - Upcoming Events: Financial closeout.

- **JCAP Facility Renovation**
  - Project Team: D Lockhart, PD C Tabanski, CM J Ocean, Admin
  - TPC: $2.0
  - Costs: $1.6
  - Contingency: $0.4
  - Approved Funding: $2.0
  - Status: Closeout
  - Construction Phase: Dec 2010 - Mar 2011
  - EDIA: 14%
  - CPI: N/A
  - RPI: N/A
  - Notable Events: Not specified.
  - Risks: Not specified.
  - Lessons Learned: Not specified.
  - Upcoming Events: Financial closeout.

- **B977 Potter LSD (Tenant Improvement & Fit-up)**
  - Project Team: D Lockhart, PD C Tabanski, CM J Ocean, Admin
  - TPC: $5.1
  - Costs: $4.8
  - Contingency: $0.0
  - Approved Funding: $5.1
  - Status: Closeout
  - Construction Phase: Jun 2010 - Dec 2010
  - EDIA: 14%
  - CPI: 14% Fitup
  - RPI: 26%
  - Notable Events: Not specified.
  - Risks: Not specified.
  - Lessons Learned: Not specified.
  - Upcoming Events: Financial closeout.

- **Old Town Demolition (FY 2011)**
  - Project Team: S Swanson, PD T Markowski, PM T Kempers, CM N Huppert, Admin J Tang, PC
  - TPC: $1.5
  - Costs: $1.5
  - Contingency: $0.0
  - Approved Funding: $1.5
  - Status: Closeout
  - Construction Phase: Apr 2011 - Oct 2011
  - EDIA: 63%
  - CPI: N/A
  - RPI: N/A
  - Notable Events: Not specified.
  - Risks: Not specified.
  - Lessons Learned: Not specified.
  - Upcoming Events: Financial closeout.

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**Projects Notes**

- **TPC** - Total Project Cost
- **EDIA** - Engineering Design Inspection Acceptance (soft costs)
- **SPI/CP/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).