## Project List For Discussion - December 11

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Team</th>
<th>TEC (SK)</th>
<th>Costs To Date 12/31/11 ($K)</th>
<th>Contingency Balance ($K)</th>
<th>Status</th>
<th>Funds Type</th>
<th>Comments</th>
</tr>
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</table>
| 1            | B50A/B50B CHW Cross-Connection | R. Haney, PC  
E. Schaefer, PMP  
C. Stapper, PC | $846 | $197 | $120 | AGE | IGPP | Offload 50B floors 3-6 to 50A chiller plant, optimize pumping and replace control system in 50B CHW system. Project value engineering design changes have been completed. We are in negotiations with subcontractor to arrive at acceptable construction cost. |

### Risks (Risks will evolve as projects mature and mitigations are enacted)

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Cost</th>
<th>CHW Disruptions / Loss of Cooling</th>
<th>Safety Incident</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mitigation: Expanded scope of work to do. 3 may be difficult to achieve proper function on system origin. Team meeting with control system. Cost and schedule delay may be encountered, or in worst case, LBNL effort required to repeatedly troubleshoot the system and continue submittal process.</td>
<td>Mitigation: Cost overrun following field conditions will be difficult to resolve. Safety incident possible.</td>
<td>Mitigation: While modifying planning, piping and electrical systems, mitigation: Failure of LBNL standards.</td>
<td></td>
</tr>
<tr>
<td>Mitigation: Excellent planning and analysis of system function before project execution. Carefully examine system performance and room temperature after LOTO. Return system to pre-LOTO condition if unacceptable situation exists. Mitigation: Excellent time management and review of system function.</td>
<td>Mitigation: Carefully study and route new plumbing and electrical systems. LBNL effort required to ensure proper field conditions. Mitigation: Effective planning and technical review. Carefully study and route new plumbing and electrical systems. LBNL effort required to ensure proper field conditions.</td>
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## Facilities: Design and Construction

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<tbody>
<tr>
<td>2 B55 PET Scanner</td>
<td>T. Bledsoe, FC</td>
<td>$627</td>
<td>$145</td>
<td>$20</td>
<td>Construction</td>
<td>Required</td>
<td>Modify an existing 1,000 SF space, that currently contains a PET scan machine, to add a new PET Scanner and relocation of the existing control room. Project is on schedule, to complete prior to arrival of PET Scanner on 02/15/12.</td>
</tr>
<tr>
<td>2 B62 ARRA (Phase 2)</td>
<td>B. Bledsoe, FC</td>
<td>$7,772</td>
<td>$205</td>
<td>$265</td>
<td>Construction</td>
<td>ARRA</td>
<td>Approximately 1,500 sq ft of General Purpose Laboratory space in B62. Utility isolation by LBNL is underway. Milestones to begin renovations by 12/31/11 is complete. Construction subcontract award in progress.</td>
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### Risks (Risks will evolve as projects mature and mitigations are enacted)

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<th>Risk</th>
<th>Likelihood</th>
<th>Consequences</th>
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<tr>
<td>#1</td>
<td>Schedule</td>
<td>7/1/11 - Lab scope approved by LBNL</td>
</tr>
<tr>
<td>#2</td>
<td>Scope</td>
<td>7/1/11 - Lab scope approved by LBNL</td>
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<tr>
<td>#3</td>
<td>Hazardous Materials</td>
<td>Lead and asbestos contamination in areas of work has been identified and abatement is included in scope of work.</td>
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<tr>
<td>#4</td>
<td>Utilities/Infrastructure</td>
<td>Project is on schedule, to complete prior to arrival of PET Scanner on 02/15/12.</td>
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### Overall Project Costs
- 7/11/11 - Lab scope approved by LBNL
- 12/31/11 - Begin renovations

### Hazardous Materials
- Lead and asbestos contamination in areas of work has been identified and abatement is included in scope of work.
### Project List For Discussion - December 11

#### Facilities: Design and Construction

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<td>4 B62 - 12kV Equipment Replacement</td>
<td>S. Bode, PM D. Dovichi, PM J. Tully, CM S. Geddins, PC</td>
<td>$1,097</td>
<td>$540</td>
<td>$375</td>
<td>A&amp;E</td>
<td>DM</td>
<td>Replacement of existing selector switch, transformer, main switchgear and motor control centers. Contract documents to be distributed for quotation from three bidders (PDE Electric, EW Scott Electric and Cupertino Electric) on 01/19/12.</td>
</tr>
<tr>
<td>5 B74 Trailers</td>
<td>S. Bode, PM S. McCutchan J. Tully, CM S. Geddins, PC</td>
<td>$1,036</td>
<td>$0</td>
<td>TBD</td>
<td>Planning</td>
<td>Proposed project will site 3 trailers in the B74/B84 parking lot for 18 office work stations. Trailer configuration may be changing as well as budget.</td>
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Temporary Power for B62 Operation

- During the installation of B62 12kV equipment replacement and temporary power, the building electrical service will be disrupted. This will impact an estimated 1500 to 2000 square feet of space for 3-4 weeks. Concern about the logistics of the project on this basis and our ability to manage the project. Also a concern about providing temporary power for the existing generator. |

5 A42/NO Impact

- Concern about potential impact to this area, but this is based on a change in project scope. The amount of temporary power required will be determined in the upcoming weeks. |

B6/114 Impact

- During the installation of B62 12kV equipment replacement and temporary power, the building electrical service will be disrupted. This will impact an estimated 1500 to 2000 square feet of space for 3-4 weeks. Concern about the logistics of the project on this basis and our ability to manage the project. Also a concern about providing temporary power for the existing generator. |

5 A42/NO Impact

- Concern about potential impact to this area, but this is based on a change in project scope. The amount of temporary power required will be determined in the upcoming weeks. |

Selected the highest bidders for the RFP on 01/19/12. | Conferences and negotiations were prepared by theBid Team Leader. | The Contract Documents and submittals were prepared by the Bid Team Leader and negotiated with the contractor. | The project is based on a future potential for permanent power. | The project is based on a future potential for permanent power. |

Schedule

- The project budget is based on utilizing temporary generator power for a 6-week period. In the event of potential unforeseen and or conflicts, the project may be extended beyond the 6-week period. | The project team will be based on a future potential for permanent power. | The project team will be based on a future potential for permanent power. | The project team will be based on a future potential for permanent power. | The project team will be based on a future potential for permanent power. |
## Project List for Discussion - December 11

### Risks (Risks will evolve as projects mature and mitigations are enacted)

1. **6 Optical Metrology Lab**
   - **Project Name:** Optical Metrology Lab
   - **Project Team:** K. Haley, PD; R. Schaefer, PM; C. Stay, PC
   - **TEC ($K):** $1,355
   - **Costs To Date 12/31/11 ($K):** $9
   - **Contingency ($K):** $288
   - **Status:** A&E
   - **Type:** GPI
   - **Comments:** Procurement requisitions for design, BIM & commissioning are being issued.

   The vibrational study has been completed and concluded that the location with the proven equipment isolation supports will meet the performance criteria of the research equipment.

   **Requirements:**
   - Identification
   - Validation

2. **7 LBNL HSS Gates Technology**
   - **Project Name:** LBNL HSS Gates Technology
   - **Project Team:** K. Haley, PD; I. White, PM; C. Stay, PC
   - **TEC ($K):** SC - $900, HSS - TBD, LBNL - $200
   - **Costs To Date 12/31/11 ($K):** $44
   - **Contingency ($K):** $130
   - **Status:** TBD
   - **Type:** Multi
   - **Comments:** Schematic Design is underway. The site has been surveyed for underground utilities and topography. The traffic survey is 80% complete. Determining the type and manufacturer of the Grizzly Gate is underway. The Concept of Operations draft is currently being developed.

   **Additional Risks:**
   - Integration Problems (Software)
   - CoO does not work with design and/or plan
   - Overtime/late hours work not originally estimated
   - Integration Problems (Hardware)
   - Discrepancies/Omissions between multiple A/E & Consultants
   - Additional access requirements for additional/alternate emergency vehicles

**NOTES**

- **TEC:** Total Cost.
- **PD:** Project Director; **PM:** Project Manager; **CM:** Construction Manager; **PC:** Project Coordinator
- **Costs:** Actual costs expended as of month end noted (excludes liens).