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| **Change Request No.:** **LIGO-R1300028-v1** | Date: 28 October 2013 |
| **Change Request Title:**  |
| **WBS Element Title (number):**  |
| **Originator:** R. McCarthy | **Telephone:** 5093711044 | **CCB Sponsor:**  |
| **Technical Change Description:** Provide a secondary feed from the Department of Energy (DOE) 400 Area substation to the existing Benton Public Utility District (BPUD) cabling that feed the LIGO Hanford Observatory (LHO). This will mitigate any outages caused by maintenance in the switch yard. Currently we endure an annual outage for work on our circuit breaker and multiday outage every 3-5 years for substation maintenance. The DOE and or Subcontractors will provide updates to system drawings, install new cabling a new 3 way switch, and a new Meter for BPA billing to Benton PUD. Benton PUD is asking for a 3 - 4 day window when LIGO can be down.The recovery from these outages takes days, so the cost is outweighed by the impact on operations and science  |
| **Budget Impact:** BPUD - $60K BPA - $4KMSA - $31K ($26K x 1.2 overhead)Total - $95K + $5k for contingency. |
| **Schedule Impact:** Benton PUD is asking for a 3 - 4 day window when LIGO can be down.This will require a multiday outage that will be scheduled to minimize the impact on aligo commissioning. Probably just before entry in to re-hang ITMs  |
| **Concurrence:**

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| MIT: | [ ]  [ ]  [ ] Yes No Abstain | Controls and Data Acquisition Engineering | [ ]  [ ]  [ ] Yes No Abstain |
| Hanford Observatory: | [ ]  [ ]  [ ] Yes No Abstain | Instrument Science: | [ ]  [ ]  [ ] Yes No Abstain |
| Livingston Observatory: | [ ]  [ ]  [ ] Yes No Abstain | Data Analysis Science: | [ ]  [ ]  [ ] Yes No Abstain |
| Systems, Mechanics and Optics Engineering | [ ]  [ ]  [ ] Yes No Abstain | Laboratory Computing: | [ ]  [ ]  [ ] Yes No Abstain |

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| **Approval/Disposition (CCB Chairman):** | Date: |

**Additional Information**