



DOE Perspective

Summary: DOE HEP is continuing to pursue LBNE independent of the current DUSEL situation

Eli Rosenberg
Office of High Energy Physics



- Deputy Secretary of Energy Approved Mission Need for LBNE (CD-0) on January 8, 2010
 - The location of the far detector at DUSEL and a partnership with NSF was a possibility not a necessity
 - **The Mission Need was independent of whether or not the NSF was constructing DUSEL**
 - Our LBNE project is going forward and locating the far detector at Homestake with or without DUSEL remains a possibility
- Consistent with this we have tasked the project team with estimating the cost of two options (water Cherenkov at 4850 ft or LAr at 800 ft) including the minimal infrastructure assuming DOE bears the full cost
- CD-1 requires an alternatives analysis
 - Consideration of other sites for the far detector was always part of this analysis
 - The current situation impacts the level of effort on this analysis
- Depending on how things develop, it is likely the time scale for making project decisions will be extended.



Cost is a major concern

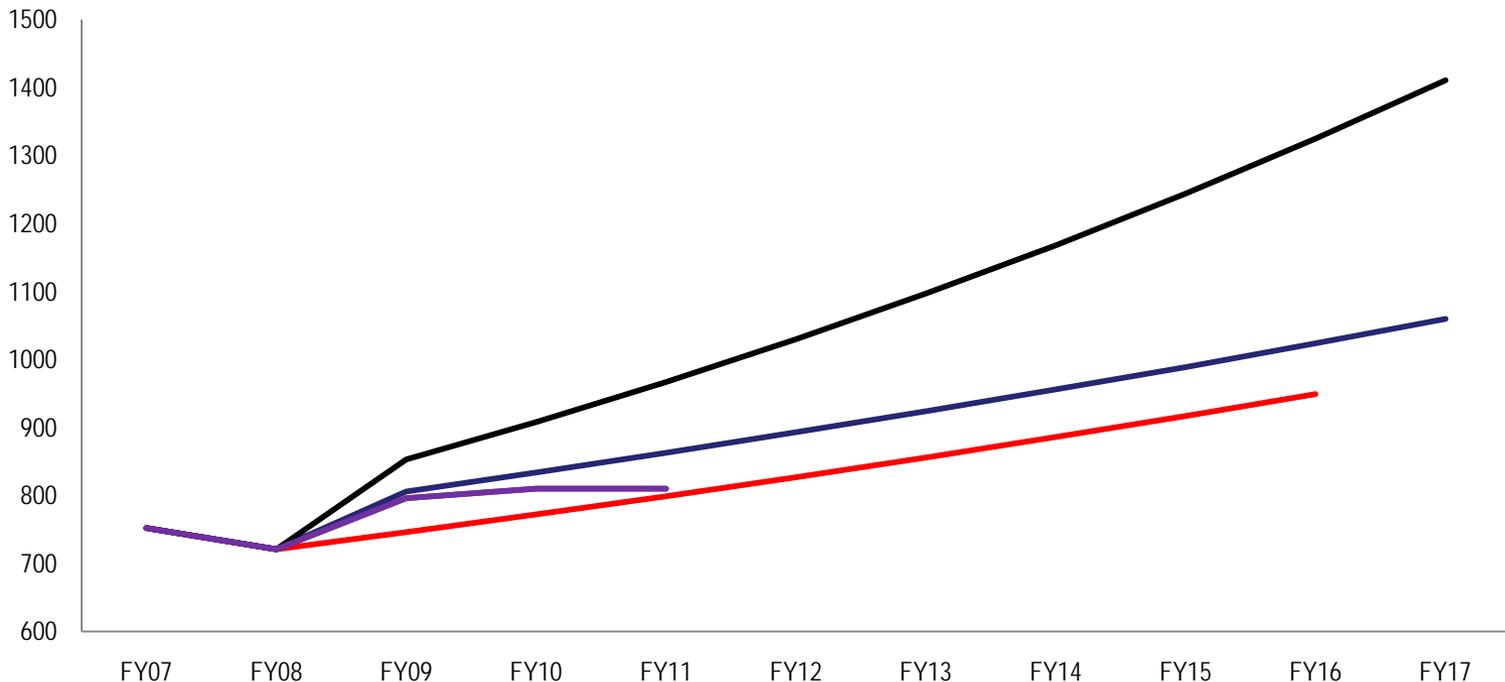
- As most of you are aware, the project team's current cost estimates present a challenge.
- The collaboration should realize (and I think you do) that the project costs need to be realistic and consistent with budget realities.
- For the project to go forward, meaningful physics goals must be obtainable with a detector we can afford.

- To make life more interesting, we still don't know what this year's budget will end up being.
 - The current continuing resolution runs through March 4
- Or what next year's will be either
 - The President's request for FY12 will be released in mid-February
 - Remember this is only a guideline that undoubtedly will be changed by Congress



The current fiscal landscape

- P5 Considered 3 budget scenarios:
 - A = FY2008 appropriation + cost of living each year
 - B = FY2007 appropriation + COL
 - C = FY2007 doubling path (+6.5% each year)
- FY 2011 Continuing Resolution thru March 4 (graph shows full year CR this year – may be optimistic)





- The massive University proposal was a big help in providing an overall picture which enabled us to put into context the individual university groups' needs
- For large multi-institutions projects this approach is essential
 - We just went through a similar exercise by having the Daya Bay collaborators come in for a "reverse site visit"
- In FY11 over overall support for LBNE research to universities is about \$400K and this may grow to closer to \$500K before the year is out
- We have also increased the overall research support to the labs for LBNE including the establishment of a program at LANL to about \$3000K.
- We have provided funding to meet the needs expressed in the proposal via our funding of the base grants at renewal and continuation funding.



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