NLC Conventional Facilities
Toward a Conceptual Design

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Conventional Facilities Topics

- Address Previous MAC Report
- CF Progress in FY’02
- CF Goals for FY’03
- SLAC/Fermi Work for FY’03
- How Do We Get to a CDR?
Address Previous MAC Report

- “...a timeline for the conventional facilities should be maintained, with estimates of durations for site studies and selection.”
- “…the CDR outline for Conventional Facilities should be flushed out within the limits of existing information and resources.”
- Limited Resources will Directly Affect Progress in these Areas
CF Progress in FY’02

- Reconciliation of Cost Estimates for 1 CA Site and 3 IL Sites is Almost Complete
  (a bit more problematic than anticipated)
- 8-Pack Support Continues
- New Interest In CA 90 Site (near LLNL)
- CA Environmental Investigation Initiated
- Project Scheduling Efforts Initiated for IL Sites
- CA Ground Motion Investigations Continue
  (SLAC baseline, L.A. Tunnel, Site 90, NuMI)
- UAB Remains in Place But Limited by Resources
CF Goals/Work for FY’03

- **Complete Reconciliation of Cost Estimates** for 3 IL Sites and CA 135 Site
  (with CA 90 to follow)

- **Complete Design Package for CA 90 Site** (resource dependent)

- **Complete Full Construction Project Schedule**

- **Identify Optimized Criteria for a Preferred CA and IL Site** (resource dependent)

- **Complete Design Iteration of Optimized IL Site** (resource dependent)
How Do We Get to a CDR ??

- Many Parallel Activities on Different Paths are Proceeding at the Same Time
- Milestones and Decision Points are Integral to These Various Paths
- Most/All are Beyond the Direct Influence of the CF Group
- Yet the Path of the CF Group is Affected by the Milestones and Decisions in this Process
- What Follows is a Partially Informed Opinion
What Are the Paths ??

- CF Continues to Work on Site Identification, Cost Estimation and Pre-Conceptual Design
- Loew Panel TRC Report
- International and Regional Steering Committees are Working on Technical Effort
- International and Regional Political Steering Committees will be Forthcoming
- International Design Group will be Formed
- US/DOE/NSF Coalition to Approach Congress
Milestones and Decision Points

- Completion of Loew TRC Report
- Technology Decision
- Determine and Freeze Machine Criteria for Conceptual Design Report
- Develop Candidate CA and IL Sites
- US Decision to Bid to Host LC Project
- Project Subject to DOE/NSF Jurisdiction?
- Select Site/s Prior to CD-0?
- Develop CDR Proposal Package
- When/How to Start Environmental Impact Process
### NLC Conventional Facilities Process

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### Technical Review Process

### Political Review Process
In Summary

- The CF Group is Productively Moving Forward with Limited Resources
- FY ’03 Goals will Produce Viable Information that will Contribute to the CDR Stage of the Project
- CF Work Beyond FY’03 will be Influenced by Many Factors
- The Magnitude of CF Work and the Ability to Meet Identified or as yet Undetermined Schedules will be Directly Affected by Decisions Made and Resources Provided