



CFS EDR FNAL Kick-Off Planning Meeting

Overview of Regional Interest Efforts

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Current Status

- *The Responsibilities of the CFS Group During the Transition to the EDR Phase of the Project will Definitely have an Expanded Focus*
- *In Order to Keep Pace with the Technically Driven Schedule We will have to Devote Substantial Effort Toward the Regional Interest Aspects of the Project*
- *Each Region, and Perhaps Individual Countries, will need to Develop a Plan that will Lead to an Eventual “Expression of Regional Interest” for Each Proposed Site for the ILC*
- *The Extent of Regional Interest Efforts will be Determined, Guided and Subject to the Approval of Many Separate and Distinct Entities and will Vary in Each Region and/or Country that Considers Hosting the ILC*



Factors that will Impact the Transition to EDR

- ***Global Design Effort (GDE) Solutions Based on the Three Regional Sample Sites Need Further Refinement with Respect to Specific Siting and Alignments***
- ***Current Designs Indicate the Approximately 30% of the ILC Conventional Facilities can be Considered Site Independent While 70% can be Considered to be Site Dependent***
- ***The CFS Group will Proceed under the Assumption that the Site Dependent Conventional Facilities will be Provided by the Host Country as Part of the Expression of Regional Interest***
- ***Based on this Assumption, Construction of these Facilities will be Completed under Local Standards, Codes and Governmental Regulations***



Participants in a United States Site Proposal

- *The International Linear Collider Steering Committee will Eventually Provide Guidance for the International Site Selection Process*
- *Fermilab will need a Strategic Plan for Future Laboratory Activities*
- *Collar Communities and Counties will need to Incorporate this Project into Strategic Plans and Provide Input into the Process*
- *The State of Illinois will have Stipulations, Requirements and also need a Strategic Plan*
- *The Office of Science in the Department of Energy Could Likely Oversee the Site Dependent Conventional Construction for the ILC in the United States*
- *Office of Management and Budget, Congress and the President will also need to Endorse the Project*
- *All of this Effort will Take Financial Commitment*



CFS Efforts in the Americas Region

- ***As a Starting Point, the CFS Group will Begin to Explore the Feasibility for a Potential ILC Alignment that is Centered on the Fermilab Site and Extends in a North-South Orientation***
- ***This will be used as the Baseline to Compare Other Alignments Including the Possibility of a Site West of the Fox River Valley***
- ***CFS will also Pursue a Definitive Investigation of a Near Surface/Cut-and-Cover Design Solution***
- ***Many Factors will need to be Identified and Compared in Order to Optimize an Eventual Proposed Site for the Americas Region/United States Expression of Regional Interest***



So How to Proceed

- *To Begin, Each Region will Produce a Set of Work Activities that will Develop Into a Work Package(s) to Define the Regional Interest Effort*
- *These Work Packages will then be Included in the Overall CFS EDR Plan*
- *Local Influences (Described for the Americas Region Above) will need to be Identified and Incorporated into Each Regional Effort*
- *Once Identified, Regional and National Timeframes for Bid to Host Efforts will need to be Reconciled*
- *The International Site Selection Process will Also need to be Reconciled with the International Process*
- *A Substantial Portion of this Process is Beyond the Control of the CFS Group*