



Eastern Interconnection Planning Collaborative

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# **Project Schedule Update Phase II Pre-Work Update Project Management Report**

Stakeholder Steering Committee Meeting

September 27, 2011

# Project Schedule

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# Project Schedule Highlights 1

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- 9/22/11 Phase I Report – Draft 2 distributed to stakeholders
- 9/27/11 SSC Meeting – Determine 3 scenarios, Input on Phase I report
- 9/30/11 Written comments on Draft 2 due from stakeholders
- 10/14/11 Phase I Report – Draft 3 distributed to stakeholders
- 10/19/11 PAs Distribute Initial Versions of Phase II Pre-Work Documents
- 11/1/11 Written Comments on Draft 3 due from Stakeholders
- 11/2/11 TOTF Webinar on Scope and Process – date TBD
- 11/16/11 EISPC Meeting (after NARUC mtgs) – St. Louis MO

# Project Schedule Highlights 2

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- 11/21/11 SSC Meeting – location TBD
- 11/23/11 Three Scenarios Finalized with Written Description
- 11/30/11 Phase I Report – Draft 4 distributed to stakeholders
- 12/9/11 Final SSC written comments due
- 12/9/11 Final Phase II Pre-Work Documents Distributed
- 12/14/11 Phase I Report Revised
- 12/16/11 Final Phase I Report Filed with DOE

## Phase II

- 1/10-11/12 Initial TOTF Meeting (2 days) – date and location TBD
- See timeline dated 8/19/11

# Phase II Pre-Work Update

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# Phase II – Transmission Analysis

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- Phase II will be conducted in 2012
- 3 Scenarios chosen by SSC
- Transmission additions required to meet reliability standards
- Focus on 230kV and above
- Include a production cost run for each resulting system
- Include an estimate of the costs for generation and transmission expansion in each scenario

# Pre-Work for Phase II

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- Phase II scoping work completed:
  - Phase II Build-Out Schedule and Outline 7/18/11
  - Phase II Detailed Schedule 8/19/11
  - Phase II Pre-Work Timeline 8/19/11
- EIPC continues to develop five documents detailing various aspects of the Phase II work continues
- Schedule for document drafts – 10/19/11
- Documents to be finalized – 12/9/11

# Phase II Pre-Work Documents

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- Draft Scope and Methods for EIPC/SSC Transmission Options Task Force (TOTF)
- Method to Select Coal Unit Deactivations
- Definition of “Less-than-Peak” Case
- Phase II Task 8 List of Reliability Tests to be Performed
- Consideration of HVDC in Phase II Transmission Analyses



# Consideration of HVDC in Phase II

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- HVDC will be considered along with other transmission additions to address shortcomings of the system within each of the three scenarios
  - Advantages/Disadvantages
  - Generally identify situations where HVDC may be more effective/efficient than AC solutions
- HVDC design and modeling will be important issues
- Cost estimation methodology may need to be refined
- Stakeholder input important on options to consider

# Project Management Update

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# Project Management Update

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- Where do we stand – task by task
- Schedule – remaining work in Phase 1

# Project Task Update 1

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- Task 1 Initiate Project: complete
- Task 2 Integrate Regional Plans: complete except for submitting deliverable documents to DOE
- Task 3 Production Cost Analysis: eliminated
- Task 4 Macroeconomic Futures Development: complete except for submitting deliverable documents to DOE
- Task 5 Macroeconomic Analysis: nearing completion
  - 76 of 80 runs complete
  - Four sensitivities held for use during Scenario development
  - High-level transmission cost estimates complete

# Project Task Update 2

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- Task 6a Scenario Selection
  - Decision on 3 Scenarios for Phase II analysis pending
- Task 6b Phase I Report
  - Draft 2 distributed
  - Written comments by 9/30/11 for consideration in Draft 3
  - Draft 3 target 10/14/11
  - Draft 4 target 11/30/11
- Phase II Pre-Work
  - Outline and detailed schedule developed
  - Five process documents to be distributed 10/19/11

# Phase I Report

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- Foreword
- Table of Contents
- Executive Summary
- Introduction
- Study Results by Task
- Description of Three Scenarios for Study in Phase II
- Conclusions and Observations
  - Technical Topics
  - Process Topics
  - “Lessons Learned”
  - Limitations of Project Results
- Appendices

# Project Related Meetings

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Meeting	Current Dates	Comments
EISPC Meeting	9/22/11 – 9/23/11	
SSC Meeting	9/26/11 – 9/28/11	
EISPC Meeting	11/16/11-11/17/11	St. Louis
SSC Meeting	11/21/11-11/22/11	Location TBD

# Project Schedule Update

Task	Original Date	Target Date	Primary Party (1)
Task 2 - Report	12/28/10	Complete	PAs
Task 3 – Production Cost Analysis	3/8/11	-----	-----
Task 4 - Futures	3/18/11	Complete	SSC
Task 5 – Macro Analysis	7/26/11	Complete (2)	CRA
Task 6a – Define Three Expansion Scenarios	10/25/11	9/27/11 11/23/11	SSC
Task 6b – Phase 1 Report	10/25/11	12/16/11	PAs

- (1) With input/assistance from other participants
- (2) 4 sensitivities reserved for Scenario development



# Questions

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