

Table UP-1 - Study Plan, U.P. Operational Needs

1. West-to-east U.P. bias flows
 - a. Planning to perform modeling and studies
 - b. System Operations to provide input and feedback
 - c. Preferred and alternate solutions developed, team consensus
 - d. Cost estimates for alternatives to be obtained from Asset Management
2. West-to-east U.P. bias flows
 - a. Planning to perform modeling and studies
 - b. System Operations to provide input and feedback
 - c. Preferred and alternate solutions developed, team consensus
 - d. Cost estimates for alternatives to be obtained from Asset Management
3. High voltage issues
 - a. Planning to perform modeling and studies
 - b. System Operations to provide input and feedback
 - c. Preferred and alternate solutions developed, team consensus
 - d. Cost estimates for alternatives to be obtained from Asset Management
4. Maintenance or N-1-1 Outages, not be comprehensive screening instead:
 - a. Not to be comprehensive screening
 - b. System Operations to identify more prominent concerns
 - c. Determine if any of the core solutions mitigate the issues
 - i. Perform studies to verify performance if necessary
 - d. Develop solution if core solutions do not mitigate the issues
 - i. Perform studies to verify performance if necessary
 - e. Team to agree on additional solutions, if any, needed to address issues
5. Op Guides
 - a. System Operations to identify U.P. Operating Guides
 - b. Team to identify conceptually if any core solutions affect the existing guides
 - i. Perform studies if needed
 - c. Team to develop new solutions if justified
6. Determine eastern U.P. core projects without Frontier
 - a. Planning to perform studies on expected future without Frontier
 - i. Identify needs
 - ii. Determine required solutions
7. Study all core projects together to ensure they are compatible
 - a. Planning to perform modeling and studies
 - b. Study the two worst U.P. futures, DOE 20% Wind and Fuel/Investment Limitations)
 - i. Other futures to be studied if required and time permits
 - c. Verify that only contingent projects are required along with the core projects for reliability needs
 - d. Verify contingent project list for the U.P.
 - i. Identify all contingent projects
 - ii. Summarize the contingent projects, including what needs they address, and the future load or generation scenario that triggers the need
8. Team to develop presentation and proposal to ATC Executives