

Task 7 Input Requirements

Item/Sub-Item	Breakdown	Source	Location/ Comment	Phase II Process	Comments
Initial Transmission Topology/Model		Baseline Infrastructure Model (from the SSC Phase 1 work)	Powerflow model is CEII	The Baseline Infrastructure model will be the starting point for the build-out analysis.	
Resources: Capacity additions and reductions.	By NEEM Region & Technology	Aggregate information in NEEM Output. CRA to provide specific retirements on non-aggregated units.	See NEEM capacity report	Pick specific bus locations <ul style="list-style-type: none"> - Existing sites - Retirement sites - Near bulk transmission Use generic unit types/sizes from NEEM inputs	Open to further granular definition of resources (e.g. by state).
Loads	By NEEM Region	NEEM Input NEEM Output	See Google docs See NEEM capacity report	Include DR, EE, DG, PHEV load modifiers from NEEM inputs as specified by SSC <ul style="list-style-type: none"> - Need to allocate load to specific buses - Peak/ Off-Peak issue 	
Reserve Requirements	By Reserve Margin Area and/or NEEM Region	NEEM Input NEEM Output	See Google docs See NEEM capacity report	May need to break this down by Control Area and shift resources accordingly	As long as the SSC uses the NEEM results, reserve requirements should be satisfied-by NEEM region
Transfers Limits	Between NEEM Regions	NEEM input or "hard limit" determined by SSC	See Google docs or "hard limit" results	Use SSC "Hard Limit" methodology specified by SSC	
Energy Transferred	Between NEEM Regions	NEEM Output	See NEEM transmission report	Peak/Off-Peak issue	
GE-MAPS Data	Power Plant specific data	tbd	tbd	Match completed Scenario build-out transmission system	Currently being developed