

Long Term Assumptions

PLANNING HORIZON				
Duke		Progress		Comments
CASES				
Cases developed	VSTE/MMWG case(s) best suited to the period to be evaluated are used. Engineering judgment is used to determine number of years and seasons to be studied. Normally the summer peak conditions through the next 10 years are evaluated. Not all years require evaluation to determine acceptability of rollover rights. The requested reservation is included in the base model.	-Year(s) selected to best study scenario. -Current detailed PEC system model with VSTE/MMWG. -Update case as needed. -Peak summer case. -GenUp, GenDown -with and without scenario		
Interchange	Long term firm transmission and all LSE's DNR projections are modeled in the base case. Firm PTP reservations that are higher in the queue or already confirmed are evaluated for inclusion in the model. No netting of reservations is allowed.	-Long-term firm modeled. -No netting. -Interchange for import or export based on scenario studied. -For imports all import TRM reservation assumed. (simultaneous) -For exports use export TRM by interface.(non-simultaneous)		
PROCEDURE				
Analysis	MUST is run on the models to determine FCITC with all reservations in the direction of request already in the model (including the request under evaluation). The FCITC is determined using the .sub, .mon, & .con files described below. Calculation of acceptable ATC levels after accounting for TRM & CBM is performed. The FCITC calculations are performed for the interfaces likely to be impacted by the requested reservation. Beyond the first year of a reservation, limits in other control areas are not considered. Restrictions on rollover rights must be documented in the original service request.	-Meet with customer prior to study. -PSS/E ACCC used for each case. -Establish base loadings -Develop loading of change case -Compare base to change for impacts to transmission		
.sub files	The latest applicable files from VSTE and VASTE are used with modification for being able to scale all generation in each control area. The MUST SGA (Scale Generation All) function is used for the exporting control area and the Duke IM definition for testing Duke imports. Use Duke specific dispatch (if available) or Duke_SGA and the specific _IM definition for the sink control area when testing Duke exports.	-For PSS/E ACCC Subsystem file defines area to monitor.		
mon & .con files	The latest applicable files from VSTE and VASTE are used.	-Monfile specifies area to be monitored, voltage range and deviation screen limits -Confile list all single buses and ACCC outages all branches attached. -Common tower file defines all common tower outages for ACCC		
TRM/CBM				
TRM	VACAR reserve sharing amounts reserved	Same with addition of parallel path flow component.		
CBM	CBM equals 0, therefore none reserved	Same		
TOOLS				
Transfer Capability	PSS/E Software - MUST	PSS/E		
Designated Network Resource Evaluation				
Analysis	For DNR's the process is the same as for firm PTP requests in the Planning Horizon, except that an additional screening of the Duke detailed internal model may be needed to fully evaluate the impact. The methods described under Assessment Practices tab would be used.	Same as above.		

NOTE: Posting in Adobe because website can not translate MS Excel documents in a readable form.

Long Term Assumptions

Transfer Capability/FCITC			
Duke		Progress	Comments
CASES			
Cases developed	VSTE for the period to be evaluated are used. For studies directed by the VSTE Steering Committee, the specific year/season case is used.		
Interchange	Long term firm transmission and all LSE's DNR projections are modeled in the base case. For VSTE studies, these assumptions are reviewed/revised based on any new information available		
PROCEDURE			
Analysis	MUST is run on the model to determine FCITC. The FCITC is determined using the .sub, .mon, & .con files described below. For VSTE studies, the hard limit is determined based on review of members. This information is used in assessing limits in non-VSTE studies as well. Limits are tested at levels normally used in VSTE studies. Limits are evaluated against historical system reliability needs.		
.sub files	File is created by the VSTE study group for any studies performed. For Duke studies, the latest applicable VSTE or VASTE file is used with modification for being able to scale all generation in each control area. The MUST SGA (Scale Generation All) function is used for the exporting control area and the Duke IM definition for testing Duke imports. Use Duke specific dispatch (if available) or Duke_SGA and the specific _IM definition for the sink control area when testing Duke exports.		
mon & .con files	The latest applicable files from VSTE and VASTE are used.		
TRM/CBM			
TRM	Not considered in VSTE studies. For Duke studies, comparison to hard limit is made.		
CBM	CBM equals 0.		
TOOLS			
Transfer Capability	PSS/E Software - MUST		

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