

Task Name	Duration	Start	Finish
2020 Series MDWG Models (Powerflow & Short Circuit) - PSS/E v34.6.1 - MOD v10	175 days	Mon 7/8/19	Fri 3/27/20
Note: The SPP Model Development Procedure Manual 2019 v3.0 will be utilized for this model build.			
Pass 0: Powerflow (PF) & Short Circuit (SC) Data (Topology, Sequence Data & Initial Generator Retirements Updates)	25 days	Mon 7/8/19	Fri 8/9/19
SPP Staff send out kick-off email	0 days	Mon 7/8/19	Mon 7/8/19
Trial 1: SPP Staff Lock Down MOD and EDST	10 days	Mon 7/8/19	Fri 7/19/19
SPP Staff compile EDST data and Review/Build Pass 0 - Trial 1 Solved Powerflow models	10 days	Mon 7/8/19	Fri 7/19/19
SPP Staff Post Pass 0 - Trial 1 models, DocuCode, and MOD-033-1 unacceptable differences for Data Submitter Review	0 days	Fri 7/19/19	Fri 7/19/19
SPP Staff Request Generator Facility Data for recently Executed GIAs	0 days	Fri 7/19/19	Fri 7/19/19
Data Submitters review Pass 0 - Trial 1 models and provide PF and SC data Updates through MOD and EDST	5 days	Mon 7/22/19	Fri 7/26/19
Data Submitter Updates (Topology, Sequence Data & Generator Retirements) Due	0 days	Fri 7/26/19	Fri 7/26/19
Trial 2: SPP Staff Lock Down MOD and EDST	10 days	Mon 7/29/19	Fri 8/9/19
SPP Staff compile EDST data and Review/Build Pass 0 - Trial 2 Solved Powerflow models	10 days	Mon 7/29/19	Fri 8/9/19
SPP Staff Post Pass 0 - Trial 2 models, DocuCode, and conflicting generator retirement list for Data Submitter Review	0 days	Fri 8/9/19	Fri 8/9/19
Pass 0 - Complete	0 days	Fri 8/9/19	Fri 8/9/19
Pass 1 - Coordinate & Submit Load, Generation, Transaction, Topology and SC Data Updates	70 days	Mon 8/12/19	Fri 11/15/19
Data Submitters review Pass 0 - Trial 2 models and submit load, generation, transaction, topology and SC data updates through MOD and EDST for use in Pass 1 - Trial 1 Models	15 days	Mon 8/12/19	Fri 8/30/19
Data Submitter Updates (Load, Generation, Transaction, Topology & Sequence Data) Due	0 days	Fri 8/30/19	Fri 8/30/19
Trial 1: SPP Staff Lock Down MOD and EDST	15 days	Mon 9/2/19	Fri 9/20/19
SPP Staff compile EDST data and Review/Build Pass 1 - Trial 1 Solved Powerflow models	15 days	Mon 9/2/19	Fri 9/20/19
SPP Staff Review/Build Pass 1 - Trial 1 Short Circuit Models	5 days	Mon 9/23/19	Fri 9/27/19
SPP Staff Post Pass 1 - Trial 1 PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 9/27/19	Fri 9/27/19
Data Submitters review Pass 1 - Trial 1 models and submit PF and SC data updates through MOD and EDST for use in Pass 1 - Trial 2 Models	15 days	Mon 9/30/19	Fri 10/18/19
Data Submitter Updates (Load, Generation, Transaction, Topology & Sequence Data) Due	0 days	Fri 10/18/19	Fri 10/18/19
Trial 2: SPP Staff Lock Down MOD and EDST	15 days	Mon 10/21/19	Fri 11/8/19
SPP Staff compile EDST data and Review/Build Pass 1 - Trial 2 Solved Powerflow models	15 days	Mon 10/21/19	Fri 11/8/19
SPP incorporate 2019 AG1 Transmission Service updates into EDST	5 days	Mon 11/11/19	Fri 11/15/19
SPP Staff Review/Build Pass 1 - Trial 2 Short Circuit Models	5 days	Mon 11/11/19	Fri 11/15/19
SPP Staff Post Pass 1 - Trial 2 PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 11/15/19	Fri 11/15/19
Pass 1 - Complete	0 days	Fri 11/15/19	Fri 11/15/19
Pass 2 (Last Chance for Generator Additions & Retirements, Loads and Interchange)	45 days	Mon 11/18/19	Fri 1/17/20
MDWG Face-to-Face Meeting*	2 days	Mon 11/18/19	Tue 11/19/19
Data Submitters review Pass 1 - Trial 2 models and submit PF and SC data updates through MOD and EDST for use in Pass 2 Models	20 days	Mon 11/18/19	Fri 12/13/19
Data Submitters - Final submission of generator additions & retirements, loads and interchange/transactions through MOD and EDST	0 days	Fri 12/13/19	Fri 12/13/19
SPP Staff Lock Down MOD and EDST	20 days	Mon 12/16/19	Fri 1/10/20
SPP Staff compile EDST data and Review/Build Pass 2 Solved Powerflow models (Merge with latest MMWG models)	20 days	Mon 12/16/19	Fri 1/10/20
SPP Staff Review/Build Pass 2 Short Circuit Models (Merge with latest SERC SC Models)	5 days	Mon 1/13/20	Fri 1/17/20
SPP Staff Post Pass 2 PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 1/17/20	Fri 1/17/20
Pass 2 - Complete	0 days	Fri 1/17/20	Fri 1/17/20
FINAL PASS (Final Generation Dispatch, Docucheck Issues and Topology Updates)	35 days	Mon 1/20/20	Fri 3/27/20
MDWG Face-to-Face Meeting	2 days	Tue 1/21/20	Wed 1/22/20
Data Submitters Review Pass 2 models and submit PF and SC corrections only through MOD and EDST for use in the Final Pass models	15 days	Mon 1/20/20	Fri 2/7/20
Data Submitters - Final submission of generation dispatch, docucheck corrections and topology data updates through MOD and EDST	0 days	Fri 2/7/20	Fri 2/7/20
Final - SPP Staff Lock Down MOD and EDST -- FINAL	10 days	Mon 2/10/20	Fri 2/21/20
SPP Staff compile EDST data and Review/Build Final Pass Solved Powerflow models	10 days	Mon 2/10/20	Fri 2/21/20
Convert models from PSSE v34 to v33	5 days	Mon 2/24/20	Fri 2/28/20
SPP Staff Review/Build Final Pass Short Circuit Models	5 days	Mon 2/24/20	Fri 2/28/20
SPP Staff Post Final Pass Powerflow Models for MDWG Approval	0 days	Fri 3/6/20	Fri 3/6/20
MDWG Review 2020 Series MDWG Powerflow Models for Finalization	5 days	Mon 3/9/20	Fri 3/13/20
Convert models from PSSE v34 to v33	4 days	Fri 3/13/20	Wed 3/18/20
SPP Staff Review/Build Final Pass Short Circuit Models	4 days	Fri 3/13/20	Wed 3/18/20
Finalization - Call to Vote and Approve 2020 MDWG Powerflow Models	0 days	Mon 3/19/20	Mon 3/19/20
SPP Staff Post Final Pass Short Circuit Models for MDWG Approval	0 days	Fri 3/20/20	Fri 3/20/20
MDWG Review 2020 Series MDWG Short Circuit Models for Finalization	5 days	Mon 3/23/20	Fri 3/27/20
Finalization - Call to Vote and Approve 2020 MDWG Short Circuit Models	0 days	Fri 3/27/20	Fri 3/27/20

Note:
Friday data submission allowed through end of day the following Sunday.
This schedule was jointly developed by SPP as the Planning Coordinator (PC), its Transmission Planners (TPs) and the MDWG

Last Edited on 2/24/2020

Key:
Summary Tasks - gray fill
SPP Staff Lock Down MOD and EDST in orange bold
Data Submitters Review in green bold
Data Submitters Updates Due in red bold
SPP PF Build Tasks in bold
SPP SC Build Tasks in blue bold
SPP Posting or Pass Complete in bold italic
MDWG Face-to-Face Meeting in purple bold - Subject to change
Final SPP Staff Member Conference Call Vote and Approval in dark green bold italic

2020 Series MDWG / 2021 ITP Model Selection								
Year	Season	MDWG Power Flow	ITP Base Reliability Powerflow (BR)	ITP Market Powerflow (MP)	ITP Market Economic (ME)	MDWG Reduced Dynamics	ITP BR Short Circuit	MDWG Short Circuit
2020	Spring	1						
2020	Summer	1						1
2020	Fall	1						
2020	Winter	1						
2021	Light Load	1				1		
2021	Spring	1						
2021	Summer	1	1			1		1
2021	Fall	1	1					
2021	Winter	1	1			1		
2022	Light Load	1	1					
2022	Spring	1	1					
2022	Summer	1	1	1		1	1	
2022	Fall		1					
2022	Winter	1	1	1				
2023	Light Load	1	1	1		1		
2023	Summer	1	1	1	1	1	1	
2023	Winter		1					
2025	Light Load	1				1		
2025	Summer	1	1	1		1		1
2025	Summer Shoulder	1						
2025	Winter	1				1		
2026	Light Load		1	1				
2026	Summer		1	1	2		1	
2026	Winter		1					
2030	Summer	1				1		
2030	Winter	1				1		
2031	Light Load		1	1				
2031	Summer	1	1	1	2	1	1	
2031	Winter		1					
Totals	73	22	18	9	5	12	4	3

LEGEND		
Model Type	Category	Data Input
MMWG	1	Load, Transactions, Members Dispatch Generation, Topology
MDWG	1	Load, Transactions, Members Dispatch Generation, Topology
ITP	1	Load, Transactions, SPP Dispatches Generation, Topology

2020 Series Models - MOD/EDST Data Submissions					
Year	Season	Load			
		Forecast/Profile	Generation Profile	Topology	Transactions
2020	Spring	Yes	Yes	Yes	Yes
2020	Summer	Yes	Yes	Yes	Yes
2020	Fall	Yes	Yes	Yes	Yes
2020	Winter	Yes	Yes	Yes	Yes
2021	Light Load	Yes	Yes	Yes	Yes
2021	Spring	Yes	Yes	Yes	Yes
2021	Summer	Yes	Yes	Yes	Yes
2021	Fall	Yes	Yes	Yes	Yes
2021	Winter	Yes	Yes	Yes	Yes
2022	Light Load	Yes	Yes	Yes	Yes
2022	Spring	Yes	Yes	Yes	Yes
2022	Summer	Yes	Yes	Yes	Yes
2022	Fall	Yes	Optional	Yes	Yes
2022	Winter	Yes	Yes	Yes	Yes
2023	Light Load	Yes	Yes	Yes	Yes
2023	Summer	Yes	Yes	Yes	Yes
2023	Winter	Yes	Optional	Yes	Yes
2025	Light Load	Yes	Yes	Yes	Yes
2025	Summer	Yes	Yes	Yes	Yes
2025	Summer Shoulder	Yes	Yes	Yes	Yes
2025	Winter	Yes	Yes	Yes	Yes
2026	Light Load	Yes	Optional	Yes	Yes
2026	Summer	Yes	Optional	Yes	Yes
2026	Winter	Yes	Optional	Yes	Yes
2030	Summer	Yes	Yes	Yes	Yes
2030	Winter	Yes	Yes	Yes	Yes
2031	Light Load	Yes	Optional	Yes	Yes
2031	Summer	Yes	Yes	Yes	Yes
2031	Winter	Yes	Optional	Yes	Yes