

Task Name	Duration	Start	Finish
2021 MDWG/2022 ITP Series Model Build Schedule (Powerflow & Short Circuit) - PSS/E v34.7 - Model On Demand (MOD) v11 (MOD-832 East)	185 days	Mon 7/6/20	Fri 3/15/21
Note: The SPP MDWG Model Development Procedure Manual 2020 v4.0 will be utilized for this model build.			
SPP Staff send out kick-off email	0 days	Mon 7/6/20	Mon 7/6/20
Pass 0 - Powerflow (PF) & Short Circuit (SC) Data (Topology, Sequence Data & Initial Generator Retirements Updates)	25 days	Mon 7/6/20	Fri 8/7/20
Trial 1: SPP Staff Lock Down MOD and MOD/EDST	10 days	Mon 7/6/20	Fri 7/17/20
SPP Staff completes MOD/EDST data and Review/Build Pass 0 - Trial 1 Solved Powerflow models	10 days	Mon 7/6/20	Fri 7/17/20
SPP Staff Post Pass 0 - Trial 1 Models, DocuCode, and MOD-833 - unacceptable differences for Data Submitter Review	0 days	Fri 7/17/20	Fri 7/17/20
Data Submitters review Pass 0 - Trial 1 models and provide PF and SC data updates through MOD and EDST	5 days	Mon 7/20/20	Fri 7/24/20
Data Submitter Updates - Topology, Sequence Data and Initial Generator Retirements Due	0 days	Fri 7/24/20	Fri 7/24/20
Trial 2: SPP Staff Lock Down MOD and MOD/EDST	10 days	Mon 7/27/20	Fri 8/7/20
SPP Staff completes MOD/EDST data and Review/Build Pass 0 - Trial 2 Solved Powerflow Models	10 days	Mon 7/27/20	Fri 8/7/20
SPP Staff Post Pass 0 - Trial 2 Models, DocuCode, and conflicting Generator Retirement List for Data Submitter Review	0 days	Fri 8/7/20	Fri 8/7/20
Pass 0 - Complete	0 days	Fri 8/7/20	Fri 8/7/20
Pass 1 - Coordinate & Submit Load, Generation, Transaction, Topology and SC Data Updates	70 days	Mon 8/10/20	Fri 11/13/20
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 8/10/20	Fri 8/28/20
Data Submitter Updates (Load, Generation, Transaction, Topology & Sequence Data) Due	0 days	Fri 8/28/20	Fri 8/28/20
Trial 1: SPP Staff Lock Down MOD and MOD/EDST	15 days	Mon 8/31/20	Fri 9/18/20
SPP Staff completes MOD/EDST data and Review/Build Pass 1 - Trial 1 Solved Powerflow Models	15 days	Mon 8/31/20	Fri 9/18/20
SPP Staff Review/Build Pass 1 - Trial 1 Short Circuit Models	5 days	Mon 9/21/20	Fri 9/25/20
SPP Staff Post Pass 1 - Trial 1 PF and SC models, Report Card, Retirement List and DocuCode for Data Submitter Review	0 days	Fri 9/25/20	Fri 9/25/20
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 9/28/20	Fri 10/16/20
Data Submitter Updates (Load, Generation, Transaction, Topology & Sequence Data) Due	0 days	Fri 10/16/20	Fri 10/16/20
Trial 2: SPP Staff Lock Down MOD and EDST	15 days	Mon 10/19/20	Fri 11/6/20
SPP Staff completes MOD/EDST data and Review/Build Pass 1 - Trial 2 Solved Powerflow Models	15 days	Mon 10/19/20	Fri 11/6/20
SPP incorporate 2020 A61 Transmission Service updates into MOD/EDST	5 days	Mon 10/19/20	Fri 11/13/20
SPP Staff Review/Build Pass 1 - Trial 2 Short Circuit Models	5 days	Mon 10/19/20	Fri 11/13/20
SPP Staff Post Pass 1 - Trial 2 PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 11/13/20	Fri 11/13/20
Pass 1 - Complete	0 days	Fri 11/13/20	Fri 11/13/20
Pass 2 (Last Chance for Generator Additions, Retirements, Pmin & Pmax, Loads and Interchange)	45 days	Mon 11/16/20	Fri 1/15/21
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 11/16/20	Fri 12/11/20
Data Submitters Final Submission of Generator Additions, Retirements, Pmin & Pmax, Loads, and Interchange Corrections through MOD and EDST	0 days	Fri 12/11/20	Fri 12/11/20
SPP Staff Lock Down MOD and MOD/EDST	20 days	Mon 12/14/20	Fri 1/8/21
SPP Staff completes MOD/EDST data and Review/Build Pass 2 Solved Powerflow models (Merge with latest MMWVG models)	20 days	Mon 12/14/20	Fri 1/8/21
SPP Staff Review/Build Pass 2 Short Circuit Models (Merge with latest SERC SC Models)	5 days	Mon 1/11/21	Fri 1/15/21
SPP Staff Post Pass 2 PF and SC models and DocuCode for Data Submitter Review	0 days	Fri 1/15/21	Fri 1/15/21
Pass 2 - Complete	0 days	Fri 1/15/21	Fri 1/15/21
FINAL PASS (Final Generation Dispatch, DocuCheck Issue Corrections, MOD-833 Feedback and Topology Updates)	45 days	Mon 1/18/21	Fri 3/15/21
MDWG Face-to-Face Meeting	2 days	Tue 1/19/21	Wed 1/20/21
Data Submitters Review Pass 2 Models; Submit PF and SC corrections through MOD and EDST for use in the Final Pass Models	15 days	Mon 1/18/21	Fri 2/5/21
Data Submitters Final Submission of Generation Dispatch, DocuCheck Corrections, MOD-833 Feedback and Topology data updates through MOD and EDST	0 days	Fri 2/5/21	Fri 2/5/21
SPP Staff Lock Down MOD and EDST - FINAL	10 days	Mon 2/8/21	Fri 2/19/21
SPP Staff completes MOD/EDST data and Review/Build Final Pass Solved Powerflow models	15 days	Mon 2/8/21	Fri 2/26/21
SPP Staff Review/Build Final Pass Short Circuit Models	5 days	Mon 3/1/21	Fri 3/5/21
SPP Staff Post Final Pass Powerflow and Short Circuit Models for Approval	0 days	Fri 3/5/21	Fri 3/5/21
MDWG/TWS Review 2021 MDWG/2022 ITP Powerflow Models for Finalization	5 days	Mon 3/8/21	Fri 3/12/21
MDWG/TWS Review 2021 MDWG/2022 ITP Short Circuit Models for Finalization	10 days	Mon 3/8/21	Fri 3/15/21
Finalization - MDWG Net Conference to Vote and Approve 2021 MDWG Powerflow Models as Final	0 days	Fri 3/12/21	Fri 3/12/21
Finalization - TWS to Vote and Approve 2022 ITP Powerflow Models as Initial-Final	0 days	Fri 3/12/21	Fri 3/12/21
Finalization - MDWG Net Conference to Vote and Approve 2021 MDWG Short Circuit Models as Final	0 days	Fri 3/19/21	Fri 3/19/21
Finalization - TWS to Vote and Approve 2022 ITP Short Circuit Models as Initial-Final	0 days	Fri 3/19/21	Fri 3/19/21
Note: Friday data submission is allowed through the end of day the following Saturday. This schedule was jointly developed by SPP as the Planning Coordinator (PC) and each of its Transmission Partners (TPs) and the SPP Model Development Working Group (MDWG).			

Model Build Schedule Color Identifier
Orange: SPP Staff Lock Down Model on Demand and Engineering Data Submission Tool
Green: Data Submitters Review
Red: Data Submitters Updates Due
Black: SPP Powerflow Build
Blue: Short Circuit Build
Black: SPP Posting or Pass Completion
Purple: MDWG Face-to-Face Meeting
Green: Final SPP Staff / Member Conference Call Vote and Approval
2021 Series MDWG/2022 ITP Model Selection
Red: MMWVG Models
Black: MDWG and ITP Models - Posted on GlobalEspace
Green: ITP Models - Not posted on GlobalEspace (Internal Only)

Year	Definition	Year	Season	MDWG PF	MDWG SC	MDWG DYN	ITP BR PF	ITP MPN F1	ITP MPN F2	ITP MEM F1	ITP MEM F2	ITP BR SC	
0	-1	2021	Spring	1									
0	-1	2021	Summer	1	1								
0	-1	2021	Fall	1									
0	-1	2021	Winter	1									
1	0	2022	Light Load	1		1							
1	0	2022	Spring										
1	0	2022	Summer	1	1	1	1						
1	0	2022	Fall	1			1						
1	0	2022	Winter	1			1	1					
2	1	2023	Light Load	1			1						
2	1	2023	Spring				1						
2	1	2023	Summer	1			1	1	1	1			
2	1	2023	Fall				1						
2	1	2023	Winter	1			1						
3	2	2024	Light Load	1			1	1	1				
3	2	2024	Summer	1			1	1	1	1	1	1	
3	2	2024	Winter				1	1					
5	4	2026	Light Load	1			1						
5	4	2026	Summer	1			1	1	1				
5	4	2026	Summer Shoulder	1			1						
5	4	2026	Winter	1			1						
6	5	2027	Light Load				1	1	1				
6	5	2027	Summer				1	1	1	1	1	1	
6	5	2027	Winter				1	1	1				
10	9	2031	Summer	1			1						
10	9	2031	Winter	1			1						
11	10	2032	Light Load				1	1	1	1			
11	10	2032	Summer	1			1	1	1	1	1	1	
11	10	2032	Winter				1	1	1				
Totals				79	22	3	12	17	10	6	4	2	3

2021 MDWG / 2022 ITP Models - MOD/EDST Data Submissions						
Year	Season	Load Profile	Generation Profile	Topology	Transactions	
2021	Spring	Yes	Yes	Yes	Yes	Yes
2021	Summer	Yes	Yes	Yes	Yes	Yes
2021	Fall	Yes	Yes	Yes	Yes	Yes
2021	Winter	Yes	Yes	Yes	Yes	Yes
2022	Light Load	Yes	Yes	Yes	Yes	Yes
2022	Spring	Yes	Yes	Yes	Yes	Yes
2022	Summer	Yes	Yes	Yes	Yes	Yes
2022	Fall	Yes	Yes	Yes	Yes	Yes
2022	Winter	Yes	Yes	Yes	Yes	Yes
2023	Light Load	Yes	Yes	Yes	Yes	Yes
2023	Spring	Yes	Yes	Yes	Yes	Yes
2023	Summer	Yes	Yes	Yes	Yes	Yes
2023	Fall	Yes	No	Yes	Yes	Yes
2023	Winter	Yes	Yes	Yes	Yes	Yes
2024	Light Load	Yes	Yes	Yes	Yes	Yes
2024	Summer	Yes	Yes	Yes	Yes	Yes
2024	Winter	Yes	No	Yes	Yes	Yes
2026	Light Load	Yes	Yes	Yes	Yes	Yes
2026	Summer	Yes	Yes	Yes	Yes	Yes
2026	Summer Shoulder	Yes	Yes	Yes	Yes	Yes
2026	Winter	Yes	Yes	Yes	Yes	Yes
2027	Light Load	Yes	No	Yes	Yes	Yes
2027	Summer	Yes	No	Yes	Yes	Yes
2027	Winter	Yes	No	Yes	Yes	Yes
2031	Summer	Yes	Yes	Yes	Yes	Yes
2031	Winter	Yes	Yes	Yes	Yes	Yes
2032	Light Load	Yes	No	Yes	Yes	Yes
2032	Summer	Yes	Yes	Yes	Yes	Yes
2032	Winter	Yes	No	Yes	Yes	Yes

Edited on 7/15/2020