

Task Name	Duration	Start	Finish
2022 Series MDAG Model Build Schedule (Dynamics) - PSS/E v34.8.2 Note: The SPP MDAG Model Development Procedure Manual 2021 v5.0 will be utilized for this model build.	338 days	Tue 1/11/22	Thu 12/15/22
Initial Data Update	23 days	Tue 1/11/22	Mon 2/14/22
Initial Data Update - Build and Post DYRE Files, WindFarm Data, Docureport, Most Severe TPL Fault Submission Template, and Unacceptable User Models	3 days	Tue 1/11/22	Fri 1/14/22
SPP Holiday -Dr. Martin Luther King Birthday Jr.	1 day	Mon 1/17/22	Mon 1/17/22
Initial Data Update -Members Submit Data Updates	20 days	Mon 1/17/22	Mon 2/14/22
Initial Data Update - Member Data Due	0 days	Mon 2/14/22	Mon 2/14/22
Transmission Planner Most Severe TPL Fault Testing Submission Data Due	0 days	Mon 2/14/22	Mon 2/14/22
Dynamic Model Adjustments	29 days	Tue 2/15/22	Fri 3/18/22
Dynamics Adjustment (Dyre file, CMLD Load and User Defined Model Update)	29 days	Tue 2/15/22	Fri 3/18/22
Member/Stakeholder Holiday -President's Birthday	0 days	Mon 2/21/22	Mon 2/21/22
Lastest MMWG and MDAG Series Models	0 days	Fri 3/18/22	Fri 3/18/22
MMWG Dynamic Models	0 days	Fri 3/18/22	Fri 3/18/22
Receive 2022 MDAG Powerflow Final Models	0 days	Fri 3/18/22	Fri 3/18/22
Powerflow Model Adjustments	24 days	Mon 3/21/22	Fri 4/15/22
Powerflow Model Reduction, Powerflow Adjustments, Updates, Wind Farm Topology, X-Source	24 days	Mon 3/21/22	Fri 4/15/22
Dynamic Case Initialization	33 days	Fri 4/15/22	Wed 6/1/22
DC Tie Model Updates	0 days	Fri 4/15/22	Fri 4/15/22
Case & Dyre File Corrections based on Initialization Messages	33 days	Fri 4/15/22	Wed 6/1/22
Build Initial Models	40 days	Thu 6/02/22	Thu 7/28/22
No-fault Testing	10 days	Thu 6/02/22	Thu 6/16/22
Disturbance Testing	10 days	Thu 6/16/22	Thu 6/30/22
Command Line Testing	5 days	Thu 6/30/22	Thu 7/07/22
SPP Holiday - Fourth of July	0 days	Mon 7/04/22	Mon 7/04/22
Transmission Planner Submitted Most Severe TPL Fault Testing	10 days	Thu 7/07/22	Thu 7/21/22
Offline Wind Initialization	5 days	Thu 7/21/22	Thu 7/28/22
Dynamic Case Review and Finalization	11 days	Fri 7/29/22	Wed 8/10/22
Post Initial Models	1 days	Fri 7/29/22	Mon 8/01/22
Member Review of Initial Models	10 days	Tue 8/02/22	Tue 8/16/22
Member Final Data Submission Due	0 days	Tue 8/16/22	Tue 8/16/22
Data Update - Build Updated Models	26 days	Wed 8/17/22	Tue 9/21/22
Build Final Models	15 days	Wed 8/17/22	Wed 9/07/22
Post Proposed Final MDAG Models	1 day	Thu 9/08/22	Thu 9/08/22
Member Review of Proposed Final MDAG Dynamic Models	10 days	Thu 9/08/22	Thu 9/22/22
SPP Holiday - Labor Day	0 days	Mon 9/05/22	Mon 9/05/22
MDAG Finalization - Conference Call Vote	0 days	Thu 9/22/22	Thu 9/22/22
TPL Data Update - Build TPL Models	72 days	Fri 9/02/22	Tue 12/13/22
TPL Sensitivity Dispatch	15 days	Fri 9/02/22	Fri 9/23/22
TPL Data Update - Build Final Models including Board Decisions (NTC addition/withdrawals)	45 days	Fri 9/23/22	Mon 11/28/22
SPP Holiday - Thanksgiving Day	2 days	Thr 11/25/22	Fri 11/26/22
Post Final TPL MDAG Models	0 days	Tue 11/28/22	Tue 11/28/22
Member Review of Final TPL MDAG Dynamic Models	10 days	Wed 11/29/22	Tue 12/13/22
TPL MDAG Finalization - Conference Call Vote Note: Friday data submission is allowed through the end of day the following Sunday. This schedule was jointly developed by SPP as the Planning Coordinator (PC) and each of its Transmission Planners (TPs) and the SPP Model Development Working Group (MDAG).	0 days	Thu 12/15/22	Thu 12/15/22

Abbreviation	Description
MDAG PF	MDAG Powerflow
MDAG SC	MDAG Short Circuit
MDAG DYN	MDAG Dynamics
ITP BR PF	ITP Base Reliability Powerflow
ITP MPM F1	ITP MPM Future 1
ITP MPM F2	ITP MPM Future 2
ITP MEM F1	ITP MEM Future 1
ITP MEM F2	ITP MEM Future 2
ITP BR SC	ITP Base Reliability Short Circuit

Year Definition	2022 Series MDAG / 2023 ITP Model Selection										
	Year	Season	MDAG PF	MDAG SC	MDAG DYN	ITP BR PF	ITP MPM F1	ITP MPM F2	ITP MEM F1	ITP MEM F2	ITP BR SC
1	2023	Light Load	1		1						
1	2023	Spring	1								
1	2023	Summer	1	1	1	1					
1	2023	Fall	1			1					
1	2023	Winter	1		1	1					
2	2024	Light Load	1			1	1				
2	2024	Spring	1			1					
2	2024	Summer	1		1	1	1		1		1
2	2024	Fall				1					
2	2024	Winter	1			1					
3	2025	Light Load	1		1						
3	2025	Summer	1		1						
5	2027	Light Load	1		1	1	1	1			
5	2027	Summer	1	1	1	1	1	1	1	1	1
5	2027	Summer Shoulder	1								
5	2027	Winter	1		1	1					
10	2032	Light Load				1	1	1			
10	2032	Summer	1		1	1	1	1	1	1	1
10	2032	Winter	1		1	1					
Stakeholder Reviewed Total		62	17	2	11	14	6	4	3	2	3