



# 2022 INTEGRATED TRANSMISSION PLANNING ASSESSMENT SCOPE

By SPP Engineering

Published on 04/12/2022

Version 2.0

## REVISION HISTORY

Date or version number	Author	Change Description	Comments
11/25/2020 v0.1	SPP Staff	Initial Draft Scope	Posted for stakeholder review
01/04/2021 v0.2	SPP Staff	Final Draft Scope	ESWG/TWG approval received; posted for MOPC approval
01/11/2021 v0.2	SPP Staff	Final Scope	MOPC approval received
02/02/2021 v1.0	SPP Staff	Final Approved Scope	Posted to SPP.org
03/03/2021 v1.1	SPP Staff	Scope Modifications (2)	Scope modifications in Section 2: (1) Updates to remove reference to specific MTEP model to be utilized; for TWG approval on 03/02/2021 and ESWG approval on 03/03/2021. (2) Update to the renewable mix used for meeting policy shortfalls (50% wind/50% solar for policy additions) – ESWG approval on 03/03/2021.
03/25/2021 v1.2	SPP Staff	Scope Modification	Updated Section 5. Schedule
04/12/2021 v1.2	SPP Staff	Final Approved Scope Modifications	MOPC approved
06/18/2021 v1.2	SPP Staff	Final Approved Scope Modifications	Posted to SPP.org (updated to correctly reflect v1.1 and v1.2 modifications)
02/22/2022 v2.0	SPP Staff	Replacement Scope	Modified to reflect the 2022 ITP as reliability only
02/28/2022 & 03/02/2022 v2.0	SPP Staff	Replacement Scope	Reviewed by TWG and ESWG
03/23/2022 v2.0	SPP Staff	Final Replacement Scope	Posted for ESWG approval
03/28/2022 v2.0	SPP Staff	Final Replacement Scope	Posted for TWG approval
04/12/2022 v2.0	SPP Staff	Final Replacement Scope approved by ESWG/TWG	Approved by MOPC

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## SECTION 1: OVERVIEW

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This document presents the scope and schedule of work for the 2022 Integrated Transmission Planning assessment (2022 ITP). The Economic Studies Working Group (ESWG) and Transmission Working Group (TWG) are responsible for the creation and review of this document with approvals from the Market Operations and Policy Committee (MOPC) and the board of directors (Board).

In January 2022, the MOPC approved the 2022 ITP to be performed as a reliability only assessment resulting in required modifications to this scope document.

### **OBJECTIVE**

The objective of the 2022 ITP Assessment is to develop a regional transmission plan that provides reliable delivery of energy to the end-use customer. This 2022 ITP Assessment Scope contains assumptions to be utilized in the 2022 ITP Assessment that are not standardized in the [ITP Manual](#). These documents should be reviewed together for a comprehensive view of the 2022 ITP process and assumptions.

## SECTION 2: SCHEDULE

The 2022 ITP assessment began in July 2020 and will be completed by October 2022.<sup>1</sup>

### 2022 ITP RELIABILITY ONLY – DRAFT TIMELINE

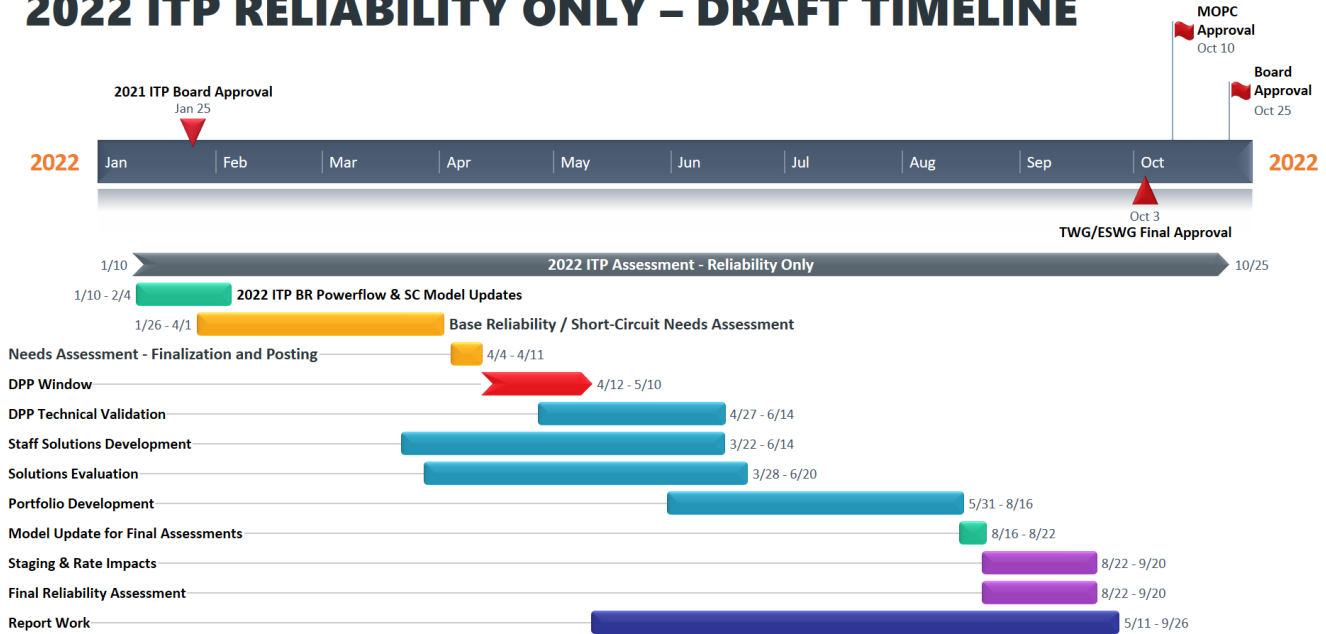


Figure 1 and Table 1 detail the updated study timeline based on the January 2022 MOPC approval for the 2022 ITP to be performed as a reliability only assessment.

<sup>1</sup> Dates are subject to change.

# 2022 ITP RELIABILITY ONLY – DRAFT TIMELINE

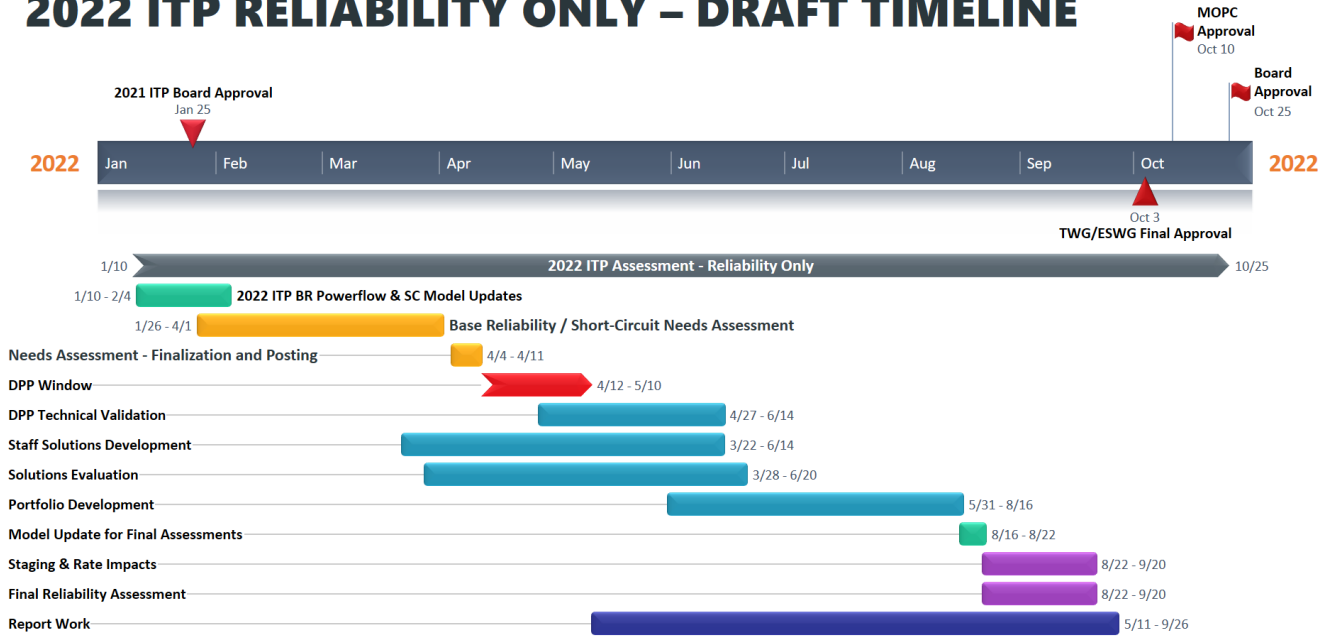


Figure 1: 2022 ITP Timeline

Southwest Power Pool, Inc.

Milestone Name	Group(s) to Review/Endorse	Start Date	Completion Date
Scope Development	ESWG, TWG, MOPC, SPC	Jul 2020	Jan 2021
Powerflow Model Development	TWG	Jul 2020	Mar 2021
Short Circuit Model Development	TWG	Jul 2020	Mar 2021
<b>Updates to Base Reliability (BR) Powerflow and Short Circuit models following Jan. 2022 MOPC</b>	<b>TWG</b>	<b>Jan 2022</b>	<b>Feb 2022</b>
BR Needs Assessments	TWG	Apr 2022	Apr 2022
Detailed Project Proposal (DPP) Window	TWG/ESWG	Apr 2022	May 2022
Reliability Solutions Development	TWG/ESWG	Mar 2022	Jun 2022
Reliability Solutions Evaluation	TWG/ESWG	Mar 2022	Jun 2022
Study Cost Estimates	TWG/ESWG	Jun 2022	Jul 2022
Summit	TWG/ESWG	Jul 2022	Jul 2022
Reliability Portfolio Development	TWG/ESWG	May 2022	Aug 2022
Final Reliability Portfolios	TWG/ESWG	Aug 2022	Aug 2022
Portfolio Optimization / Consolidation	TWG/ESWG	Aug 2022	Aug 2022
Project Staging	TWG/ESWG	Aug 2022	Sep 2022
Final Reliability Assessment	TWG	Aug 2022	Sep 2022
Review Draft Report with Recommended Solutions	TWG/ESWG	Aug 2022	Sep 2022
Final Report with Recommended Solutions	TWG/ESWG	Sep 2022	Sep 2022
	RSC, SPC, SSC	October 2022	
	MOPC, SPP Board		

Table 1: 2022 ITP Schedule

## SECTION 3: CHANGES IN PROCESS AND ASSUMPTIONS

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To protect against changes in process and assumptions that could present a significant risk to the completion of the 2022 ITP Assessment, any changes to this scope or assessment schedule must be appropriately vetted and follow the process outlined in the stakeholder accountability section of the ITP Manual.