

South Carolina Regional Transmission Planning Stakeholder Meeting

Web Conference

May 28, 2026 1:00 PM

Purpose and Goals for Today's Meeting

- Review Economic Power Transfer Study Principles
- Identify Economic Power Transfer Sensitivities to be Studied

Economic Transmission Planning Power Transfer Sensitivities

Economic Transmission Planning Principles

The purpose of Order 890's Economic Transmission Planning Principle is to:

- ensure that customers may request studies that evaluate potential upgrades or other investments that could reduce congestion or integrate new resources and loads on an aggregated or regional basis
- allow customers, not the transmission provider, to identify those portions of the transmission system where they have encountered transmission problems due to congestion or whether they believe upgrades and other investments may be necessary to reduce congestion and to integrate new resources

Economic Transmission Planning Principles

(continued)

- allow customers to request that the transmission provider study enhancements that could reduce such congestion or integrate new resources on an aggregated or regional basis without having to submit a specific request for service

This approach ensures that the economic studies required under this principle are focused on customer needs and concerns

Economic Transmission Planning Sensitivity Selection

- All requested sensitivities will be considered except sensitivities that specify specific generation resources
- Up to 5 sensitivities will be identified for study
- If more than 5 are requested, Stakeholder voting members will vote to select the top five
- Sensitivities that are not selected by the voting process as one of the 5 studied sensitivities will be studied only if the requestor(s) pays for the additional study efforts

Economic Transmission Planning Sensitivity Selection

- SCRTP economic power transfer sensitivity studies will identify congestion and required improvements only inside the SCRTP footprint

Recent Economic Study Results Overview

- Recent studies in this forum have indicated that high levels of transfers will impact the SCRTP transmission systems
- As the level of transfers increase, the network upgrades needed to address overloaded facilities also increase

Economic Transmission Planning Power Transfer Sensitivities

Sensitivities Selection

Previous Economic Planning Studies

Year	Source	Sink	Study Year	Transfer
2020	SOCO	SCPSA	2026/27 Winter	300 MW
2020	SOCO	SCPSA	2026/27 Winter	600 MW
2020	SOCO	SCPSA	2026/27 Winter	900 MW
2020	SOCO	SCPSA	2027 Summer	300 MW
2020	SOCO	SCPSA	2027 Summer	600 MW
2021	Duke Energy Carolinas	SCPSA	2028 Summer	750 MW
2021	Duke Energy Carolinas	SCPSA	2028/29 Winter	750 MW
2021	SOCO	SCPSA	2028 Summer	750 MW
2021	SOCO	SCPSA	2028/29 Winter	750 MW
2021	SOCO	SCPSA	2026/27 Winter	750 MW

Previous Economic Planning Studies

Year	Source	Sink	Study Year	Transfer
2022	Duke Energy Carolinas	SCPSA	2026 Summer	200 MW
2022	Duke Energy Carolinas	SCPSA	2026/27 Winter	200 MW
2022	SOCO	SCPSA	2026/27 Winter	600 MW
2022	Duke Energy Carolinas	SCPSA	2031 Summer	200 MW
2022	Duke Energy Carolinas	SCPSA	2031/32 Winter	200 MW
2023	SOCO	DESC	2028/29 Winter	1300 MW
2023	SOCO	DESC	2028/29 Winter	950 MW
2023	MISO	DESC	2032/33 Winter	950 MW
2023	DEP	DESC	2032/33 Winter	950 MW
2023	PJM	DESC	2028/29 Winter	950 MW

Previous Economic Planning Studies

Year	Source	Sink	Study Year	Transfer
2024	DEC/SOCO	SCPSA	2033 Summer	1200/1200 MW
2024	DEC/SOCO	SCPSA	2033/34 Winter	1200/1200 MW
2024	DEC/SOCO	SCPSA	2028 Summer	1200/1200 MW
2024	DEC/SOCO	SCPSA	2028/29 Winter	1200/1200 MW
2024	SOCO	DESC	2025 Summer	300 MW
2025	DESC	SCPSA	2035 Summer	3500 MW
2025	SCPSA	DESC	2035 Summer	2700 MW
2025	DESC	SCPSA	2030/31W	1000 MW

Transmission Planning Base Cases

2025 MMWG and SERC Series

2026 Spring Light Load

2026 Summer Peak

2026/27 Winter Peak

2027 Spring Light Load

2027 Summer Peak

2027/28 Winter Peak

2030 Spring Minimum Load

2030 Summer Peak

2030 Summer Shoulder

2030/31 Winter Peak

2035 Summer Peak

2035/36 Winter Peak

Economic Transmission Planning Sensitivity Selection

Economic Sensitivity #1:	
Source Area:	SOCO
Sink Area:	DESC & SC
Transfer (MW):	800 (400 SC/400 DESC)
Study Year:	2035 Summer
Study Conditions:	Gen to Load
Other Information:	Load split at DESC's Jasper area and SC's Varnville area
Benefits of Study and Other Comments:	

Economic Transmission Planning Sensitivity Selection

Economic Sensitivity #2:	
Source Area:	SOCO
Sink Area:	DESC & SC
Transfer (MW):	800 (400 SC/400 DESC)
Study Year:	2035 Winter
Study Conditions:	Gen to Load
Other Information:	Load split at DESC's Jasper area and SC's Varnville area
Benefits of Study and Other Comments:	

2026 Economic Planning Proposed Scenarios

#	Source	Sink	Amount (MW)	Year	Study Conditions	Requestor
1	SOCO	DESC&SC	800	2035 Summer	Gen to Load	James Hauser – Southern Alliance for Clean Energy
2	SOCO	DESC&SC	800	2035 Winter	Gen to Load	James Hauser – Southern Alliance for Clean Energy
3						
4						
5						
6						
7						
8						

2026 Economic Planning Scenarios

Selected by Stakeholders During the May 28, 2026 Meeting

#	Source		Sink	Amount (MW)	Year	Study Conditions
1	SOCO	DESC&SC	800	2035 Summer	Gen to Load	James Hauser – Southern Alliance for Clean Energy
2	SOCO	DESC&SC	800	2035 Winter	Gen to Load	James Hauser – Southern Alliance for Clean Energy
3						
4						
5						

Next SCRTP Meeting

- Review and discuss the initial results of the Economic Transfer Studies
- SCRTP Email Distribution List will be notified of meeting announcement
- Register online