

**SOUTHWEST POWER POOL (SPP)
CONSOLIDATED PLANNING PROCESS TASK FORCE (CPPTF)**

June 2, 2022, 1:03 p.m. to 5:05 p.m. | June 3, 2022, 8:03 a.m. to 11:27 p.m.
In-person and WebEx

MINUTES

AGENDA ITEM 1 – CALL TO ORDER AND ADMINISTRATIVE ITEMS

Chair Sunny Raheem called the meeting to order at 1:03 p.m., June 2, 2022, and reviewed the agenda (Attachment A – Agenda). Russell Carey provided an overview of meeting procedures. Steve Gaw moved to approve the agenda. John Krajewski seconded and the motion passed.

Mr. Raheem invited a review of the minutes from the April 28, 2022, meeting. Anita Sharma moved to approve the minutes. Derek Brown seconded and the motion passed.

Mr. Raheem welcomed John Krajewski as a new member of the CPPTF, filling the vacant spot that had been designated for a representative from the Cost Allocation Working Group.

AGENDA ITEM 2 – ACTION ITEM UPDATE: AVERAGE DISIS COSTS

Mr. Raheem provided an overview of analysis of costs in SPP's generator interconnection (GI) process. The draft report from SPP staff showed the average interconnection cost per megawatt (MW) by Definitive Interconnection System Impact Study (DISIS) and by region. The task force discussed the information and requested additional information about what was included in each category, and for an updated report to be presented at a future meeting.

AGENDA ITEM 3 – OVERVIEW: SCRIPT RECOMMENDATION PATHS

Mr. Allen provided an overview of responsibilities for three proposed paths for the CPPTF. Each path assigned responsibilities and provided a scope of work to address the 17 recommendations created by the Strategic and Creative Re-engineering of Integrated Planning Team (SCRIPT) to create a consolidated planning process (CPP). The task force discussed responsibilities, potential refinements to scope definitions, a need to provide clear guidance to other working groups and expectations for updates and input on recommendations in Paths 1 and 2.

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AGENDA ITEM 4 – PATH 1: MONITOR AND INFORM

Mr. Raheem provided an overview of the proposed process for CPPTF oversight of SCRIPT S1 and C2 implementation. Staff will provide monthly updates to the GI User Forum and quarterly updates to the CPPTF on backlog mitigation efforts. Staff will provide quarterly updates to the CPPTF on improvements to engineering data collection and correlation. The task force suggested seeking information from member companies about their automation systems as examples for SPP's Engineering Engine. Staff took an action item to poll the group about potential sharing of automation concepts and tools.

The CPPTF recessed for a break from 2:25 p.m. to 2:35 p.m.

AGENDA ITEM 5 – PATH 2: DEFINE AND ASSIGN

Mr. Raheem and Mr. Allen provided overviews of a proposed process for addressing Path 2 recommendations (SCRIPT C3, CS1 and CS2). The task force provided feedback on the draft guidance document for C3, with staff making some edits to the document during the meeting and taking an action item to make additional edits based on CPPTF feedback. Mr. Raheem proposed sending out a revised C3 guidance document the following week with the expectation that CPPTF members would review, provide additional feedback and be prepared to consider finalizing guidance at the June 24 meeting.

Mr. Allen provided an overview of potential approaches to cost sharing for upgrades. Three potential methodologies – analytical, cost cap and a subscription model – were discussed by the group. David Kelley and task force members discussed cost sharing methodologies being examined by SPP and the Midcontinent Independent System Operator (MISO) as part of their Joint Targeted Interconnection Queue (JTIQ) Study process.

AGENDA ITEM 6 – WRAP UP AND ITEMS FOR DAY 2

Mr. Raheem suggested continuing discussion related to Agenda Item 5 the next day. Mr. Carey provided instructions for attendance of Day 2 of the CPPTF meeting and noted action items:

- Staff will present an updated overview of average DISIS interconnection costs
- Staff will gather data on stakeholder automation examples and present to the CPPTF
- Staff will provide updated proposed guidance for SCRIPT C3 for CPPTF review
- The CPPTF will have a future discussion on affected Systems in cost sharing

AGENDA ITEM 7 – ADJOURNMENT

The CPPTF adjourned Day 1 of the meeting at 5:05 p.m.

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AGENDA ITEM 8 – CALL TO ORDER AND ADMINISTRATIVE ITEMS

Chair Sunny Raheem called the CPPTF back to order for Day 2 of the meeting at 8:03 a.m., June 3, 2022,. Russell Carey provided an overview of meeting procedures.

AGENDA ITEM 9 – RECAP OF DAY 1

Mr. Raheem provided an overview of the previous day's discussion and reviewed the agenda (Attachment A – Agenda). He suggested using part of the time for Agenda Item 9 to continue the previous day's discussion about cost sharing for upgrades and the potential analytical, cost cap or subscription model methodologies. Mr. Allen led the continued discussion.

The CPPTF recessed for a break from 9:40 a.m. to 9:55 a.m.

AGENDA ITEM 10 – PATH 3: DESIGN AND IMPLEMENT

Mr. Raheem provided an overview of CPPTF responsibilities for recommendations under SCRIPT C1: Implement a Consolidated Planning Process, and related SCRIPT recommendations of O1, S2 and DQ1. Mr. Allen led a discussion of potential solutions to implement SCRIPT C1, including study tools that could create more efficiency, power flow versus economic considerations, and reliability analysis. The task force discussed the advantages and disadvantages of using cluster, serial and minimum requirements approaches in a consolidated planning assessment, and how services like generator interconnection would be considered in a consolidated study.

AGENDA ITEMS 11 & 12 – DISCUSSION OF NEXT STEPS, WRAP-UP & ACTION ITEMS

Mr. Raheem and Mr. Carey took note of new action items from Day 2:

- Staff will present an update on other SCRIPT items that could impact CPP design.
- The CPPTF will start its ideation of consolidated process design with steps 5 and 6 (services) of the SCRIPT's recommended CPP process (Attachment D – CPP Process)
- Staff will revise the Path Overview document definitions.
- Staff will provide updates to the CPPTF on current and future Notices of Proposed Rulemaking from the Federal Energy Regulatory Commission.

ADJOURNMENT

Mr. Raheem adjourned the meeting at 11:27 p.m.

Attachments: Agenda, Minutes, Attendance List, CPP Process

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SOUTHWEST POWER POOL, INC.
CONSOLIDATED PLANNING
PROCESS TASK FORCE (CPPTF)

Day 1: June 2, 1:00 p.m. to 5:00 p.m. CDT
In-Person: Irving, Texas | Webex: [2481 516 1163](https://24815161163.jit.si) Password: SPP2022

AGENDA

1. **Call to Order and Administrative Items** (20 minutes).....SPP Staff
 - Agenda (Approval) Sunny Raheem
 - April 28, 2022 Meeting Minutes (Approval) Sunny Raheem
 - CPPTF Membership Update Sunny Raheem/John Krajewski
2. **Action Item Update: Average DISIS Costs** (15 minutes)..... Sunny Raheem
3. **Overview: SCRIPT Recommendation Paths** (30 minutes)..... Kelsey Allen
4. **Path 1: Monitor and Inform**
 - S1. GI Backlog (10 minutes)..... Sunny Raheem
 - C2. Engineering Data (10 minutes)..... Sunny Raheem
- Break (10 minutes)*
5. **Path 2: Define and Assign**
 - C3. Common Model: Draft Guidance for Groups (60 minutes)..... Sunny Raheem
 - CS1 and CS2: Interim Proposal for CAWG (75 minutes)..... Kelsey Allen
6. **Wrap Up and Items for Day 2** (10 minutes).....Russell Carey
7. **Adjournment**..... Sunny Raheem

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SOUTHWEST POWER POOL, INC.
CONSOLIDATED PLANNING
PROCESS TASK FORCE (CPPTF)

Day 2: June 3, 8:00 a.m. to 12:00 p.m. CDT
In-Person: Irving, Texas | Webex: [2492 769 5593](https://24927695593.ja6nwzj.zoom.us/j/24927695593) Password: SPP2022

AGENDA

- 8. **Call to Order and Administrative Items** (5 minutes)..... Sunny Raheem
- 9. **Recap of Day 1** (20 minutes) Sunny Raheem
- 10. **Path 3: Design and Implement**
 - **Overview** (60 minutes)..... Sunny Raheem
- Break (10 minutes)*
 - **Discussion and Ideation for SCRIPT C1** (100 minutes)..... Kelsey Allen
- 11. **Discussion of Next Steps** (30 minutes)..... Sunny Raheem
 - Post-meeting Survey: Paths and Recommendations Russell Carey
 - FERC NOPR (RM21-17-000) Update Kelsey Allen
 - June Meeting Topics..... Sunny Raheem
- 12. **Wrap-Up and Action Items** (15 minutes).....Sunny Raheem and Russell Carey
- 13. **Adjournment**..... Sunny Raheem

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**SOUTHWEST POWER POOL (SPP)
CONSOLIDATED PLANNING PROCESS TASK FORCE (CPPTF)**

April 28, 2022, 9:03 p.m. to 3:10 p.m. | WebEx

Education session recording: [CPPTF Net Conference-20220428](#) | Password: 8TnRTWAC

MINUTES

AGENDA ITEM 1 – CALL TO ORDER AND ADMINISTRATIVE ITEMS

Chair Sunny Raheem called the meeting to order at 9:03 a.m. and reviewed the agenda (Attachment A – Agenda). Russell Carey provided an overview of meeting procedures. Alan Myers moved to approve the agenda. Steve Hohman seconded and the motion passed.

Mr. Raheem invited a review of the minutes from the March 29, 2022, meeting. Derek Brown moved to approve the minutes. David Mindham seconded and the motion passed.

AGENDA ITEM 2 – PLANNING MODELING

David Duhart and Brooke Keene presented information about SPP’s planning modeling processes. They provided a review of the modeling discussion from the March CPPTF meeting, before giving an overview of SPP’s model build process, schedules, work flow, data inputs, comparisons between models and benchmarking. The group discussed potential improvements including benchmarking models against operational data, opportunities to consolidate benchmarking across models, and opportunities to benchmark shoulder seasons. The group discussed modeling regionally versus on legacy balancing authority areas.

The CPPTF recessed for a break from 10:54 a.m. to 11:05 a.m.

AGENDA ITEM 3 – AUTOMATION FOR ENGINEERING SERVICES

Jason Terhune provided an overview of SPP’s engineering platform, software that is in development to support the consolidated planning process by automating some planning processes and creating a single point of entry for staff and members to use applications associated with engineering planning. The platform will be developed and implemented in two phases, with a beta release later in 2022 and the expected completion of Phase 1 by January 2023. Phase 2 will implement the single point of entry and unify reporting across multiple systems.

Tony Green provided an overview of how automation, including microservices – simple functions that developers can link to automatically pull and compile data from user-submitted forms – will

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be implemented within the engineering platform. Automation is required to increase accuracy and efficiency of the consolidated planning process. Microservices required for the consolidated process will be implemented by January 2024. The platform will allow for additional enhancements to be added after the platform goes live.

AGENDA ITEM 4 – SUMMARY OF PROCESS BOTTLENECKS

Kelsey Allen provided an overview of process across engineering planning that slow down or stall planning completion: bottlenecks and pain points. He identified common themes including a lack of coordination between models, overlapping studies and manual translation of data between systems. The group discussed the themes, how the consolidated process might address them and other potential challenges to be addressed in consolidation design.

The CPPTF recessed for lunch from 11:58 p.m. to 1:00 p.m.

AGENDA ITEM 5 – UPDATE: FERC NOPR

Mr. Raheem noted the April 21, 2022, release of a FERC Notice of Proposed Rulemaking (NOPR) to reform its policies regarding Regional Transmission Planning and Cost Allocation. The NOPR follows from an Advanced NOPR (ANOPR) on these reforms, which FERC issued in July 2021. Mr. Raheem said SPP staff were beginning internal review and invited initial thoughts on the notice.

Mr. Allen noted no changes to Order 1000 requirements, but there were many other changes SPP would have to address, including a more frequent 20-year assessment. The group discussed the positive timing and alignment of the consolidated planning process effort, Staff took an action item to update the CPPTF on an expected future NOPR on generator interconnection, and to seek feedback from the task force for the comment period on the April NOPR.

AGENDA ITEM 6 – DRAFT CONSOLIDATION DEVELOPMENT & TRANSITION PLAN

Mr. Allen gave an overview of three proposed paths for the CPPTF to address SCRIPT consolidation recommendations:

- Path 1: monitor and provide feedback on recommendations that are already being implemented (SCRIPT S1 and C2).
- Path 2: provide guidance, final approval and resolve disputes for recommendations that are being addressed by other stakeholder groups (SCRIPT C3, CS1 and CS2).
- Path 3: develop details for policy and/or revision requests for recommendations that are assigned to CPPTF with feedback from other groups (SCRIPT C1, S2, O1 and DQ1).

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Mr. Allen then reviewed an example timeline for prioritization and completion of each of the paths to complete the transition to the new consolidated planning process.

AGENDA ITEM 6 – INDUSTRY PLANNING EFFORTS

As an example of potential consolidated process design, Betsy Beck and Aaron Vander Vorst (Enel) shared a presentation of proposed improvements for consolidated planning processes and generator interconnection. Enel began developing this proposal in 2021 and refined and submitted a version in response to FERC’s 2021 ANOPR. They noted that Enel has continued to work with FERC and a broader industry coalition to find consensus solutions that use components of the proposal across regional planning processes.

Key elements of Enel’s proposal include consolidation of interconnection and regional planning, a screening study to estimate interconnection upgrade costs, competitive building of standalone network upgrades and set distribution factors to assign network upgrade costs. The proposal suggests holistic assessment for all expected grid changes and increased opportunities for competitive projects. The group discussed elements of the proposal.

AGENDA ITEM 7 – NEW BUSINESS AND ACTION ITEMS

Mr. Raheem and Mr. Carey took note of action items to update the CPPTF on future NOPRs, to develop a handoff document for the development Path 2 item, Common Model recommendation, and post an updated version of Enel’s presentation. Mr. Carey reminded the CPPTF of the upcoming in-person meeting at Tenaska in Dallas, Texas, June 2 and 3, for which registration to attend in-person is due May 24. He noted that the group might receive some questions in advance of the meeting to gather feedback and prepare the group for a discussion of development paths and begin to brainstorm solutions.

ADJOURNMENT

Mr. Raheem adjourned the meeting at 3:10 p.m.

Attachments: Agenda, Minutes, Attendance List

CPPTF ATTENDANCE LIST, JUNE 2, 2022

Attendance list from WebEx registration. Symbols: * denotes CPPTF Member and † denotes proxy

#	NAME	ATTENDED	COMPANY
1	Sunny Raheem* (Chair)	In-person	SPP
2	Adam McKinnie*	In-person	Missouri PSC
3	Alan Myers*	In-person	ITC Holdings
4	Andrew French*	WebEx	KCC
5	Anita Sharma*	In-person	AEP
6	David Mindham*	In-person	EDP
7	Derek Brown*	In-person	Evergy
8	John Krajewski*	In-person	Nebraska PRB
9	Heather Starnes*	WebEx	MJMEUC
10	Matt Pawlowski*	WebEx	NextEra
11	Steve Gaw*	In-person	APA
12	Josh Verzalt† (proxy for Steve Hohman)	WebEx	OPPD
13	Russell Carey* (Secretary)	In-person	SPP
14	Adam Bell	WebEx	SPP
15	Amber Joyce	WebEx	Montana-Dakota Util.
16	Brad Cochran	WebEx	OG&E
17	Brad Finkbeiner	WebEx	SPP
18	Bradley Cochran	WebEx	OG&E
19	Brandon Hentschel	WebEx	SPP
20	Brenda Fite	WebEx	SPP
21	Brian Johnson (AEP)	WebEx	AEP
22	Brian Rounds	WebEx	AESL Consulting
23	Brooke Keene	WebEx	SPP
24	Calvin Daniels	WebEx	WFEC
25	Casey Cathey	WebEx	SPP
26	Charles Locke	WebEx	SPP
27	Chris Colson (WAPA-UGPR)	WebEx	WAPA
28	Chris Jamieson	WebEx	SPP
29	Cliff Franklin	In-person	Sunflower
30	Clint Savoy	WebEx	SPP
31	Dana Shelton	WebEx	LPSC
32	Daniel Hall	WebEx	ACPA
33	David Keley	In-person	SPP
34	Don Frerking-SPP	WebEx	SPP
35	Eddie Watson	WebEx	SPP
36	Emma Ullrich	WebEx	POWER Engineers
37	Gayle Nansel	WebEx	WAPA
38	James Bailey	WebEx	SPP
39	Jason Davis	WebEx	SPP
40	Jason Mazigian	WebEx	Basin Electric
41	Jeremy Severson	WebEx	Basin Electric
42	Jim Jacoby	In-person	AEP
43	John Boshears	WebEx	City Utilities
44	John O'Dell	WebEx	SPP
45	John Turner	WebEx	WFEC
46	John Varnell	In-person	
47	Kelsey Allen	WebEx	SPP
48	Kirk Hall	WebEx	SPP
49	Marisa Choate	WebEx	SPP
50	Nick Parker	WebEx	SPP
51	Nicole Wagner	WebEx	SPP
52	Paul Chastant	WebEx	UPC
53	Robert Pick	WebEx	NPPD
54	Robert Safuto	WebEx	CES
55	Tessie Kentner	WebEx	SPP
56	Tom Hestermann	WebEx	Sunflower

CPPTF ATTENDANCE LIST, JUNE 3, 2022

Attendance list from WebEx registration. Symbols: * denotes CPPTF Member and † denotes proxy

#	NAME	ATTENDED	COMPANY
1	Sunny Raheem* (Chair)	In-person	SPP
2	Adam McKinnie*	In-person	Missouri PSC
3	Alan Myers*	In-person	ITC Holdings
4	Andrew French*	WebEx	KCC
5	Anita Sharma*	In-person	AEP
6	David Mindham*	In-person	EDP
7	Derek Brown*	In-person	Evergy
8	John Krajewski*	In-person	Nebraska PRB
9	Heather Starnes*	WebEx	MJMEUC
10	Matt Pawlowski*	WebEx	NextEra
11	Steve Gaw*	In-person	APA
12	Josh Verzalt† (proxy for Steve Hohman)	WebEx	OPPD
13	Russell Carey* (Secretary)	In-person	SPP
14	Adam Schieffer	WebEx	OPPD
15	Brad Finkbeiner	WebEx	SPP
16	Brenda Fite	WebEx	SPP
17	Brian Rounds	WebEx	AESL Consulting
18	Calvin Daniels	WebEx	WFEC
19	Casey Cathey	WebEx	SPP
20	Charles Locke	WebEx	SPP
21	Chris Colson (WAPA-UGPR)	WebEx	WAPA
22	Chris Jamieson	WebEx	SPP
23	Clint Savoy	WebEx	SPP
24	Dana Shelton	WebEx	Sone Pigman
25	Don Frerking-SPP	WebEx	SPP
26	Eddie Watson	WebEx	SPP
27	Gayle Nansel	WebEx	WAPA
28	Jason Chaplin	WebEx	OCC
29	Jason Mazigian	WebEx	Basin Electric
30	Jeff Knottek	WebEx	City Utilities
31	Jeremy Severson	WebEx	Basin Electric
32	John Boshears	WebEx	City Utilities
33	John Turner	WebEx	WFEC
34	Kirk Hall	WebEx	SPP
35	Marisa Choate	WebEx	SPP
36	Matthew Alvarado	WebEx	Iowa Utilities Board
37	Robert Pick	WebEx	NPPD
38	Robert Safuto	WebEx	CES
39	Shari Albrecht	WebEx	KCC
40	Temujin Roach	WebEx	EDF Renewables

CONSOLIDATED PLANNING ASSESSMENT PROCESS

