



Synchronous Reserve Deployment Task Force (SRDTF) Final Report

May, 2023

ISSUE CREATION

[Problem Statement](#) and [Initial Issue Charge](#) brought forward by PJM and approved at the March 2021 Operating Committee. [Revised Issue Charge](#) approved at the November 2022 Operating Committee.

SRDTF Charter: [Issue Charge](#)

ISSUE SUMMARY

Education and investigation of improvements in a controlled deployment of synchronized reserves and energy price alignment with these actions. Improvements needed in the area of approval of RTSCED cases, unit response and recovery.

CONSENSUS-BASED ISSUE RESOLUTION PROCESS

Number of Meetings and date range covering this topic:

2021 Effort: Seven meetings from April to September
[September 2021 Final Matrix](#)

2022-2023 Effort: Three meetings from November to February
There was no polling or voting determined to be needed as this group concluded work.
[December 2022 Final Matrix](#)

1. RECOMMENDED PROPOSAL

[2021 Recommendation:](#) Intelligent Reserve Deployment (IRD) SCED case that simulates the loss of the largest generation contingency. Approval of the case will trigger a spin event.

- Economic dispatch based on real-time input including constraints
- Converts inflexible reserve MWs to energy
- Readily available for use, no lag time
- Initiates faster response until appropriate RTSCED case available

IRD goals include improving performance and response during spin events, consistent usage of tools and ensuring timely recovery from event.

[2023 Recommendation:](#) Sunset of the SRDTF to allow for further Spin Event response data collection and holistic review of reserves. The SRDTF covered all topics defined in the revised Issue Charge with limited feedback and no formal proposals. Potential for additional review to result in a future Issue Charge with increased scope.



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2. SUMMARY OF WORK

- April – September 2021: Education and review of concerns with deployment of synchronized reserves and introduction of IRD concept.
- March 2022: Proposal filing with stakeholder consensus.
- August 2022: FERC Order issues finding IRD proposal unjust and unreasonable.
- November 2022 – February 2023: Issue charge updated to address FERC concerns, education and review if IRD concept and new options for stakeholder feedback.

3. STANDING COMMITTEE RESULTS

The (2022/23) SRDTF did not move any solutions forward to the Operating Committee for consideration. A sunset request with consensus SRDTF support is on April, 2023 Operating Committee agenda for a first read, with anticipated vote at the May, 2023 Operating Committee.

APPENDIX I: SUPPLEMENTAL DOCUMENTS

- [Committee Page](#)
- [Issue Tracking](#)
- [FERC Docket](#)
- [FERC Order](#)

APPENDIX II: PJM PARTICIPATION

Facilitators: Ilyana Dropkin (2021), Shah, Vijay (2022/23)
 Secretary: Andrew Gledhill (2021), Ofoegbu, Chidi (2022/23)
 Advocates: D’Antonio, Phil & Chmielewski, Brian
 Subject Matter Expert: Zhang, Michael
 Subject Matter Expert: Fereshetian, Damon
 PJM Legal: Lu, Chenchao

APPENDIX III: STAKEHOLDER PARTICIPATION

Name	Company Name	Sector
Vijay Shah (Facilitator)	PJM Interconnection	Not Applicable
Andrew Gledhill (Secretary)	PJM Interconnection	Not Applicable
Craig Rutledge	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Ryan Kirk	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Treasa Himmelspach	AEP Appalachian Transmission Company, Inc.	Transmission Owner



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Gary Mason	American Transmission Systems, Inc.	Transmission Owner
Jim Benchek	American Transmission Systems, Inc.	Transmission Owner
Rachel Elkins	American Transmission Systems, Inc.	Transmission Owner
Timothy Murphy	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable
Sam Selick	Customized Energy Solutions, Ltd.	Not Applicable
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Art Costa	Dominion Virginia Power	Transmission Owner
Connie Schroeder	Dominion Virginia Power	Transmission Owner
Sarah Cosby	Dominion Virginia Power	Transmission Owner
Xiangru Wang	Enel X North America, Inc.	Other Supplier
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Kenneth Foladare	Geenex Solar LLC	Generation Owner
Jeff Whitehead	GT Power Group, LLC	Not Applicable
Tom Hyzinski	GT Power Group, LLC	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Catherine Tyler	Monitoring Analytics, LLC	Not Applicable
Devendra Canchi	Monitoring Analytics, LLC	Not Applicable
Earl Hyatt	Monitoring Analytics, LLC	Not Applicable
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Aaron Baizman	PJM Interconnection	Not Applicable
Angelo Marcino	PJM Interconnection	Not Applicable
Brian Chmielewski	PJM Interconnection	Not Applicable
Chidi Ofoegbu	PJM Interconnection	Not Applicable



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Christopher Pilog	PJM Interconnection	Not Applicable
Damon Fereshetian	PJM Interconnection	Not Applicable
Danielle Croop	PJM Interconnection	Not Applicable
David Hauske	PJM Interconnection	Not Applicable
Erin Lai	PJM Interconnection	Not Applicable
Frank Hartman	PJM Interconnection	Not Applicable
George Chu	PJM Interconnection	Not Applicable
Glen Boyle	PJM Interconnection	Not Applicable
Keyur Patel	PJM Interconnection	Not Applicable
Kim Warshel	PJM Interconnection	Not Applicable
Michael Olaleye	PJM Interconnection	Not Applicable
Michael Zhang	PJM Interconnection	Not Applicable
Mike Bryson	PJM Interconnection	Not Applicable
Paul McGlynn	PJM Interconnection	Not Applicable
Phil D'Antonio	PJM Interconnection	Not Applicable
Skyler Marzewski	PJM Interconnection	Not Applicable
Susan Kenney	PJM Interconnection	Not Applicable
Zhenyu Fan	PJM Interconnection	Not Applicable
Mahila Christopher	Public Utilities Commission of Ohio (The)	Not Applicable
Maura McClelland	PUCO Public Utilities Commission of Ohio (The)	Not Applicable
Sean Chang	Shell Energy North America (US), L.P.	Other Supplier
Jennifer Hohenshiit	Talen Energy Marketing, LLC	Generation Owner