



# Clean Attribute Procurement Senior Task Force: Informational Report

Scott Baker, CAPSTF Facilitator

Markets & Reliability Committee

June 22, 2023

- Issue Charge approved at April 2022 MRC
- 13 meetings between June 2022 – May 2023
- Extensive discussion and analysis on conceptual market designs associated with clean energy/attribute procurement mechanisms.
  - [Final analysis results](#)
- Three draft solution packages developed: [matrix](#)

## Package A: Forward Clean Energy Market (FCEM)

---

2 regionally-defined unbundled attribute products

**PJM-REC (MWh):** PJM region-wide renewable energy certificate (PJM-REC). Unbundled from energy. Eligible technologies: renewable resources in PJM footprint that are most broadly eligible under PJM states' RPS programs.

**PJM-CEAC (MWh):** PJM region-wide clean energy attribute certificate (PJM-CEAC). Unbundled from energy. Eligible technologies: non-GHG-emitting resources in PJM footprint including renewables, nuclear, and hydro that may not be eligible under states' RPS.

## Package B: Integrated Clean Capacity Market (ICCM)

---

3 regionally-defined unbundled attribute products – **PJM-REC, PJM-CEAC, and...**

**PJM-CCC (UCAP MW):** PJM regional clean capacity certificates (PJM-CCCs). Unbundled from capacity. 1 PJM-CCC can be awarded for the delivery of 1 UCAP MW of capacity committed and delivered into RPM, subject to PJM UCAP accreditation rules, obligations, and penalties. Sellers must be qualified to offer into the RPM in order to offer PJM-CCCs.

## Package C: Minimum Reliability / State Attribute Auctions

---

**Minimum Reliability Attributes Auction:** Residual auction in which PJM procures sufficient resources to satisfy locational reliability needs net of "SAPA" resources' impacts on load.  
- Two stage auction process

**State Attributes Procurement Auction:** PJM provides LSEs with locational marginal reliability value of clean resources  
- Difference between Stage 1 MRAA revenue and Stage 2 MRAA revenue allocated to state attribute resources

*“I/My company supports PJM stakeholders undertaking additional work to develop the clean attribute procurement conceptual market design in Package [A, B, or C], recognizing that a future vote would be taken on the merits”:*

Question	Yes	No	Abstention	Tally	Pass/Fail
Package A	45	65	40	41%	FAIL
Package B	37	75	38	33%	FAIL
Package C	19	89	42	18%	FAIL

*“Given that some clean attribute procurement market concepts directly interact with PJM capacity market operations, and some may indirectly affect capacity market outcomes, I would prefer that the CAPSTF suspend discussions on all clean attribute procurement market concepts until the Critical Issue Fast Path process on capacity market reforms has been completed.”*

	Number of Responses	Percent %
Yes	173	98%
No	4	2%

- CAPSTF hiatus until the CIFP-RA stakeholder process has completed
  - Reconvene in September to discuss with stakeholders the options of continuing to pursue a consensus package, or end the task force.

Presenter:  
[Scott Baker,  
[scott.baker@pjm.com](mailto:scott.baker@pjm.com)]

## CAPSTF Informational Report



### Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)

**PROTECT THE  
POWER GRID**  
**THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
(610) 666-2244 / [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)

