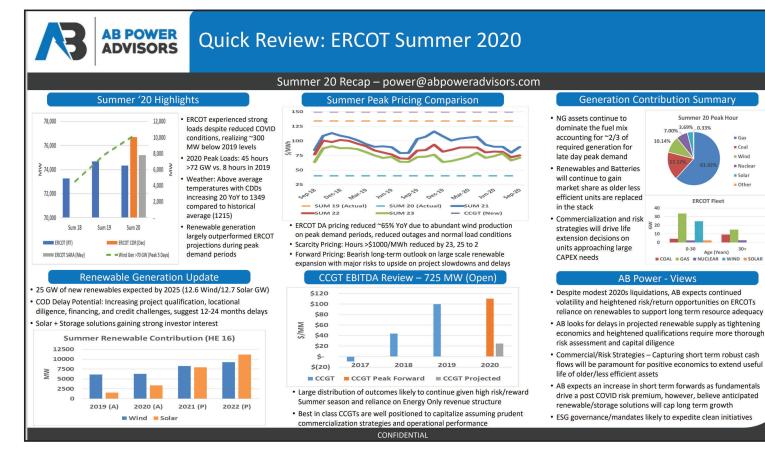


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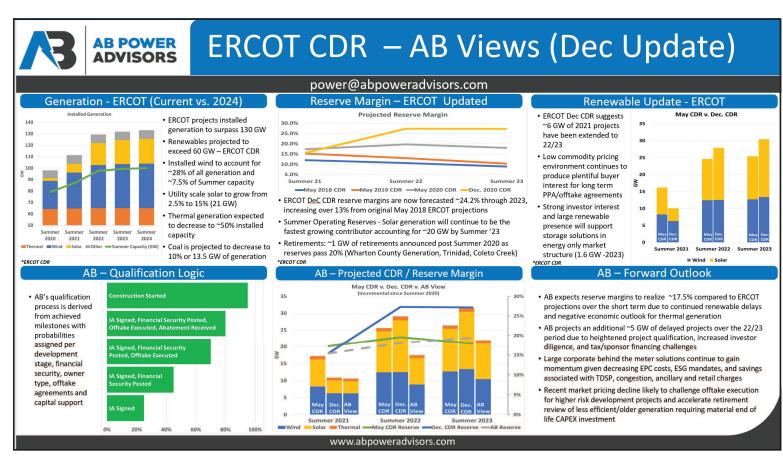
Gas

Coal

Wind Nuclear

Solar

Othe



3



Relevant Source Material

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- ERCOT West Texas Export Study
- The Use of GTCs in ERCOT
- ERCOT Report on Existing and Potential Electric System Constraints and Needs (December 2020)
- ERCOT Transmission Constraints for Generators Workshop presentation
- SB 1941 on storage ownership last version, not passed
- AEP PUCT case on storage ownership application
- AEP PUCT case on storage ownership final order
- Brattle study for Oncor on value of storage to grid
- Military siting wind bill SB 277, as enrolled
- "The Transition Away From Fossil Fuels" paper on renewable impacts to Native American communities



Regulatory Trends – Net Metering

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Net Metering in ERCOT

- · Three bodies of law covering Net Metering:
 - PURA
 - PUCT Rules
 - ERCOT Protocols
- · ERCOT protocols allow for net metering proposals with:
 - Single point of interconnection
 - · Multiple points of interconnection where load and generation connect to a common switchyard (points of interconnection within 400 vards)
 - Qualifying Facility load netted with a thermal host (cogeneration facility)
 - Generation and load on a private, contiguous transmission system (not included in a TSP's or DSP's rate base)

Netting Requirements

- PURA and PUCT do not require common ownership, however
 - PURA prohibits anyone besides an electric utility for charging for wires/delivery PURA prohibits REP transactions in a NOIE
 - territory
 - PUCT case law is case fact specific for common ownership requirements when facilities are in multiple service areas
- ERCOT protocols on Common Ownership: Past protocols used term "Associated Load" for allowance of netting
 - ERCOT definition of "Associated Load":
 - Not defined in PURA or PUCT Rules
 - ERCOT has been interpreting this to mean common ownership of load and generation
- NPRR 945 new Net Metering Requirements:
 - "Associated Load" will be struck from ERCOT protocols
 - Clarifies when All-Inclusive Generation Resources may be netted against Load for Settlement purposes

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Regulatory Trends – Distributed Generation

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Cause for Change

Previous Rules

- Interconnect Process for Generators under 10 MW much easier, No FIS Study
- Zonal Pricing for Resources under 10 MW
- ERCOT had little transparency into DG assets

ERCOT Moratorium

- September 26, 2019, ERCOT issued a market notice prohibiting DGRs from interconnection until appropriate rules developed
- The market notice did allow for the continued operation of existing DGRs and for entities that could demonstrate substantial investment to continue development if DGR met certain criteria and an affidavit was submitted by October 28, 2019

Going Forward

- · Expect Revision Requests there to be continuing revisions to protocols and planning guides involving DGRs as the number grows in ERCOT.
- · Expect ERCOTs desire to gain clarity on the existing and new DGRs to affect reliability planning
- Expect reporting for DGRs in CDR and GIS

- **Revision Requests Passed or in Process**
- NPRR917 -Nodal Pricing for SODGs and SOTGs Implemented nodal energy pricing, instead of load zone energy pricing for SODGs and SOTGs and defines energy pricing for each. Allows for existing SOGs to continue with Zonal pricing until the sooner of opting into nodal or January 1,2030
- PGRR082 Revise Section 5 and Establish Small Generation Interconnection
- Process
 Creates definition of "Large" and "Small" generators, Creates new interconnection process for generators and generator modifications that are less than 10 MW in size, Extends generator interconnection process to apply to distribution-connected Generation resources and SOG
 NPRR995 RTF-6 Create Definition and Terms for Settlement Only Energy Storage
 Provide definitions for Sattlement Only Energy Storage
- Provides definitions for Settlement Only Energy Storage, distribution and transmission connected, clarifies Nodal pricing for SODGs and SOTGs

PRS – Protocol Revision

ROS - Reliability and

Constrained Economic

Subcommittee

Subcommittee

SCED – Security

Operations

Dispatch

Acronyms

- ESR Energy Storage • NPRR - Nodal Protocol **Revision Request**
- Resource DG – Distributed
- Generation
- DGR Distributed
- Generation Resource
- ERCOT Electric Reliability Council of
- Texas • MW – Megawatt
- POI Point of Interconnection
- Only (Distribution) (Transmission) Generator

PGRR – Planning Guide

SO(D)(T)G – Settlement

Revision Request

Find the full text of this and thousands of other resources from leading experts in dozens of legal practice areas in the <u>UT Law CLE eLibrary (utcle.org/elibrary)</u>

Title search: ERCOT Panel

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