



## **Item 8: TAC Report**

*Bob Helton*

2019 Technical Advisory Committee (TAC) Chair

Board of Directors Meeting

ERCOT Public

October 8, 2019

# Summary of TAC Update

## Revision Requests Recommended for Approval by TAC – Unopposed:

- NPRR918, Validation for PTP Obligations with Links to an Option
- NPRR930, Process, Pricing, and Cost Recovery for Delayed Resource Outages – URGENT
- NPRR936, CRR Account Holder Limits
- NPRR939, Modification to Load Resources Providing RRS to Maintain Minimum PRC on Generators During Scarcity Conditions
- NPRR940, Removal of Language Related to NPRR664, Fuel Index Price for Resource Definition and Real-Time Make-Whole Payments for Exceptional Fuel Cost Events
- NPRR948, Instrument Transformer Testing Schedule and Removal of Reference to Fiber-Optic Current Transformers
- NPRR950, Switchable Generation Resources Providing Black Start Service – URGENT
- NPRR951, Active and Inactive SCED Constraint Reporting
- NPRR952, Use of Katy Hub for the Fuel Index Price
- NPRR954, Allow Opt Out of 867 EPS Data
- NPRR958, Modifications to Wind and Solar Capacity Calculations in the CDR
- NPRR959, Creation of a Panhandle Region for Calculation of Seasonal Peak Average Capacity Contributions for Wind

# Summary of TAC Update

## Revision Requests Recommended for Approval by TAC – Unopposed:

- NPRR960, Phased Approach and Clarifications for NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve
- NPRR961, Related to NOGRR194, Relocate Black Start Training Attendance Requirements to Nodal Operating Guides
- NPRR962, Publish Approved DC Tie Schedules
- NOGRR191, Related to NPRR939, Modification to Load Resources Providing RRS to Maintain Minimum PRC on Generators During Scarcity Conditions
- NOGRR194, Relocate Black Start Training Attendance Requirements to Nodal Operating Guides
- PGRR072, Treatment of Generation Resource Retirement and Mothball in Regional Transmission Plan and Geomagnetic Disturbance Vulnerability Assessment
- SCR803, Enhance Wind Integration Report and Create Solar Integration Report and Solar Dashboard
- SCR804, ERCOT GridGeo Access for Transmission Operators
- SMOGRR022, Related to NPRR948, Instrument Transformer Testing Schedule and Removal of Reference to Fiber-Optic Current Transformers
- VCMRR023, Related to NPRR940, Removal of Language Related to NPRR664, Fuel Index Price for Resource Definition and Real-Time Make-Whole Payments for Exceptional Fuel Cost Events



# Summary of TAC Update

## August TAC Highlights

- TAC Information Session to Review Real-Time Co-optimization Task Force (RTCTF) Items
- TAC Email Vote on RTC Key Principles

## September TAC Highlights

- TAC/TAC Subcommittee Structural and Procedural Review
- RTCTF Key Principles
- High Impact Transmission Element (HITE) List
- Applications for Permanent Site-Specific Exemption from Compliance with Metering Protocols
- Southern Cross Directive #4 Development of Methodology for Outage Coordination
- Battery Energy Storage Integration

# Summary of TAC Update

## Guide Revisions Approved by TAC

- RMGRR161, Clarifications to Content of Notice to Affected Parties of a Mass Transition
- VCMRR024, Allocation of Auxiliary Equipment Power Costs in Variable O&M

# August TAC Highlights

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## **Real-Time Co-optimization Task Force (RTCTF) Key Principles.**

On 8/28/19, TAC held an information session to review the following Key Principles submitted by RTCTF. TAC subsequently held an email vote and endorsed the Key Principles for purposes of informing the ERCOT Board.

- Key Principle 1.4 Telemetry changes associated with any change to the RLC logic
- Key Principle 1.5 Process for Deploying Ancillary Services
- Key Principle 3 RUC Settlement

# September TAC Highlights



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## **TAC/TAC Subcommittee Structural and Procedural Review.**

On 9/17/19, TAC leadership hosted a meeting to initiate its annual Subcommittee structural and procedural review. Results and recommendations were considered at the 9/25/19 TAC meeting.

## **Real-Time Co-optimization Task Force (RTCTF) Key Principles.**

On 9/25/19, TAC endorsed the following key principles for purposes of informing the ERCOT Board.

- KP 1.1 subsections (1), (3), (4): Ancillary Service Demand Curves and Current Market Price Adders
- KP 1.2 subsections (1) & (2): System-Wide Offer Cap and Power Balance Penalty Price
- TAC also reconfirmed Bryan Sams (Calpine) as the RTCTF Vice Chair and approved revisions to the RTCTF Charter.

# September TAC Highlights

## **High Impact Transmission Elements (HITE) List.**

On 9/25/19, TAC unanimously voted to approve the HITE List with additional revisions to the Reliability and Operations Subcommittee (ROS) endorsed HITE List.

## **Applications for Permanent Site-Specific Exemption from Compliance with Metering Protocols.**

On 9/25/19, TAC unanimously voted to recommend approval of the applications for permanent site-specific exemptions submitted by Air Liquide and CPS Energy.

## **Determination for Southern Cross Directive #4 Development of Methodology for Outage Coordination.**

On 9/25/19, TAC unanimously voted to endorse ERCOT's determination for Directive #4 as revised by TAC.

## **Battery Energy Storage Integration.**

On 9/25/19, TAC unanimously voted to form a task force to address battery energy storage integration issues.

# Notice of Guide Revisions Approved by TAC

**RMGRR161, Clarifications to Content of Notice to Affected Parties of a Mass Transition.** This Retail Market Guide Revision Request (RMGRR) aligns Retail Market Guide (RMG) language with that in subsection (u) of P.U.C. SUBST. R. 25.43, Provider of Last Resort (POLR), by specifying the required contents of Market Notices notifying Market Participants of a Mass Transition.

**VCMRR024, Allocation of Auxiliary Equipment Power Costs in Variable O&M.** This Verifiable Cost Manual Revision Request (VCMRR) clarifies that auxiliary equipment using power from third party service providers is recoverable as a variable cost through Verifiable Operating Costs. Since all costs to run auxiliary equipment will be included in operations and maintenance expenses, it is no longer necessary to include startup and minimum energy fuel consumption.