

ESCC COVID-19 Coordination***Tactical Tiger Team******Updated 3-24-2020 3:49 PM EDT*****❖ Summary**

The ESCC CEOs have convened an industry-wide Tactical Tiger Team (T3) to identify needs, priorities, gaps, and goals that address the challenges of operating the North American energy grid in a long-term pandemic environment.

The purpose of the group is to leverage asset owner and operator expertise to work through issues that are better solved collectively and with specific requests for support, as well as to share insights across the sector. The group will be comprised of “sub-teams” that will formulate specific action items and areas of coordination with government partners that are critical to business and operational continuity for asset owners and operators.

As this incident evolves, the focus of the T3 and “sub-teams” will be to address these challenges that emerge, given the dynamic nature of this global health emergency. As of March 13, 2020, the issue areas are grouped into the following sub-teams.

How we will coordinate?

Just as the ESCC does in “steady state,” asset owners and operator leads are empowered to support each of the workstreams pursued by the T3 and sub-teams. The ESCC Secretariat (the trade associations) will facilitate and support this work by convening calls, compiling action items, and ensuring connectivity among the broad stakeholder community.

Twice weekly calls are scheduled (Mondays and Thursday at 11:15 a.m. EDT) for the full team, and a Groupsite workroom will house documentation and exchanged files. A semi-regular email blast will keep the sub-teams apprised of each other’s efforts and output.

Each sub-team will self-organize under an industry lead and develop a coordination cadence.

Who is involved?

All segments of the sector, including IOUs, cooperatives, public power, independent power generators, gas distribution, ISO/RTOs, Power Marketing Administrations, ISACs, and Canadian partners. They will be represented both by trade associations and asset owners and operators. Our executive sponsor is Stan Connally, Executive Vice President for Operations, Southern Company Services.

What is the output?

Solutions, recommended practices, demand signals to other sectors or government partners focused on the big challenges. Input to the ESCC Resource Guide that will evolve with the situation. Additional information sharing and visibility into intra-sector and inter-segment collaboration.

ESCC COVID-19 Coordination***Tactical Tiger Team******Updated 3-24-2020 3:49 PM EDT***❖ **T-3 Sub-Teams****Control Center Continuity*****Leads:*** Tom O'Brien (PJM) and Kevin Howard (WAPA)***Secretariat Lead and Support Staff:*** Sam Rozenberg (APPA); Hailey Siple (EEI); Amy Thomas (APPA); Jack Cashin (APPA); Nathan Mitchell (APPA)***Govt. Partner Representatives:*** David Howard (DOE), Mike Wech (SWPA); Danny Johnson (SWPA); Lloyd Linke (WAPA); Jonathan Aust (WAPA)

Control centers are critical to keep staffed and operational. This team will address challenges of operating in a pandemic environment; topics including, but not limited to:

- Workforce shortages
- Cleaning and remediation
- Resilience and redundancy
- Waiver needs and other public policy considerations

Accessing Quarantined and Restricted Environments***Leads:*** Kimberly Denbow (AGA) and Adrienne Lotto (NYPA)***Secretariat Lead and Support Staff:*** Pat Hart (EEI)***Govt. Partner Representatives:*** Sean Plankey (DOE)

Conducting operations and maintenance in restricted environments, or at the homes and facilities where there have been confirmed cases, raises challenges including, but not limited to:

- Waivers and access to restricted areas
- Industrial occupational safety guidance
- PPE protocols and availability
- Identification of essential employees and associated labor issues

Supply Chain Challenges***Leads:*** Johnny Howze (Southern Co.) and Michele Guido (Southern Co.)***Secretariat Lead and Support Staff:*** Jack Cashin (APPA); Sam Chanoski (E-ISAC)***Govt. Partners Representatives:*** Sean Plankey (DOE), Shana Kuhn (BPA), Virgil Hobbs (SEPA)

In this context, supply chain means both equipment and manufacturing shortages, as well as interdependent sectors on which the electric power sector relies (gas and telecommunications, primarily). Issues to consider include, but are not limited to:

- Identify and assess availability and priority of specific needs: equipment, PPE, commodities
- Long-lead time equipment and identification of critical assets
- Scenario planning to consider global supply shortages for extended periods (weeks? months?)



Electricity Subsector
Coordinating Council

TLP:AMBER: Limited disclosure, restricted to participants' organizations
Sharing is limited to Coronavirus mitigation planning context

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Mutual Assistance Preparation

Leads: *Louis Dabdoub (Entergy)*

Secretariat Lead and Support Staff: *Chris Eisenbrey (EEI); Wally Mealiea (EEI)*

Govt. Partner Representatives: *Kate Marks (DOE); Ashton Raffety (DOE); Mike Miller (BPA)*

This effort was initiated by EEI members but, given the industry-wide approach to mutual assistance, we want to catalog it here. Once there is output from the EEI NREC group, we can integrate these efforts into a more industry-wide construct. This group is looking at challenges including, but not limited to:

- Employee and contractor safety considerations
- Resource availability
- PPE and other equipment needs
- Some considerations related to Accessing Restricted Environments Sub-Team (we will limit duplication of efforts)

Generation Operational Continuity

Leads: *Jim Heilbron (Southern Co.)*

Secretariat Lead and Support Staff: *Sam Rozenberg (APPA); Matt Duncan (E-ISAC)*

Govt. Partner Representatives: *Danny Johnson (SWPA)*

This effort is being initiated by the AEIC Generation Committee. To ensure visibility and alignment we are accounting for it here. Once there is output, we will ensure it is integrated into other efforts, including understanding whether there are differences with fossil versus nuclear, and whether there is alignment with control center operations.

- Workforce shortages
- Cleaning and remediation
- Coordinated outages
- Non-essential maintenance strategies
- Waiver needs and other public policy considerations

ESCC Secretariat Contacts

APPA	EEI	NRECA
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