



Todd Unrein

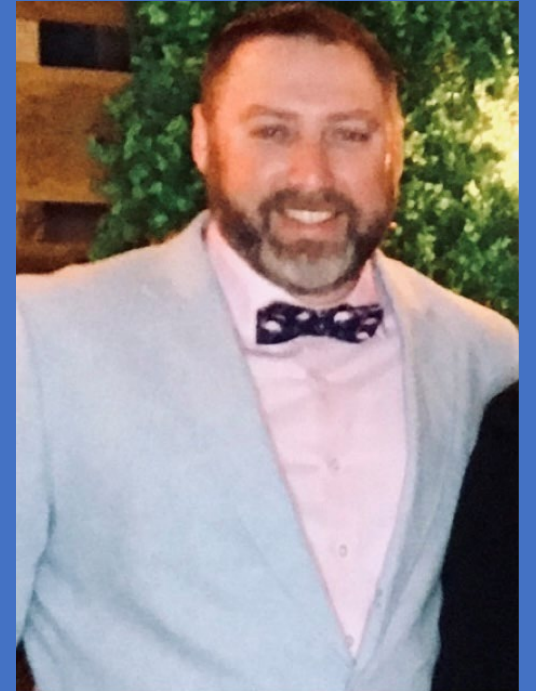
Director of Operations, TX- Orsted Americas Onshore

Todd joined Orsted in July of 2020 after spending 9 previous years with various other renewable energy plant owners and operators.

Todd started his career at EDF as a Wind Turbine Technician and has since held a number of management and leadership positions at Orsted such as Plant Manager, Regional Operations Manager and now Director of Operations for Orsted's Texas fleet.

Todd has served as the Director of Operations since September 2023. In this role, Todd oversees all generation operations of the Orsted renewable projects in Texas.

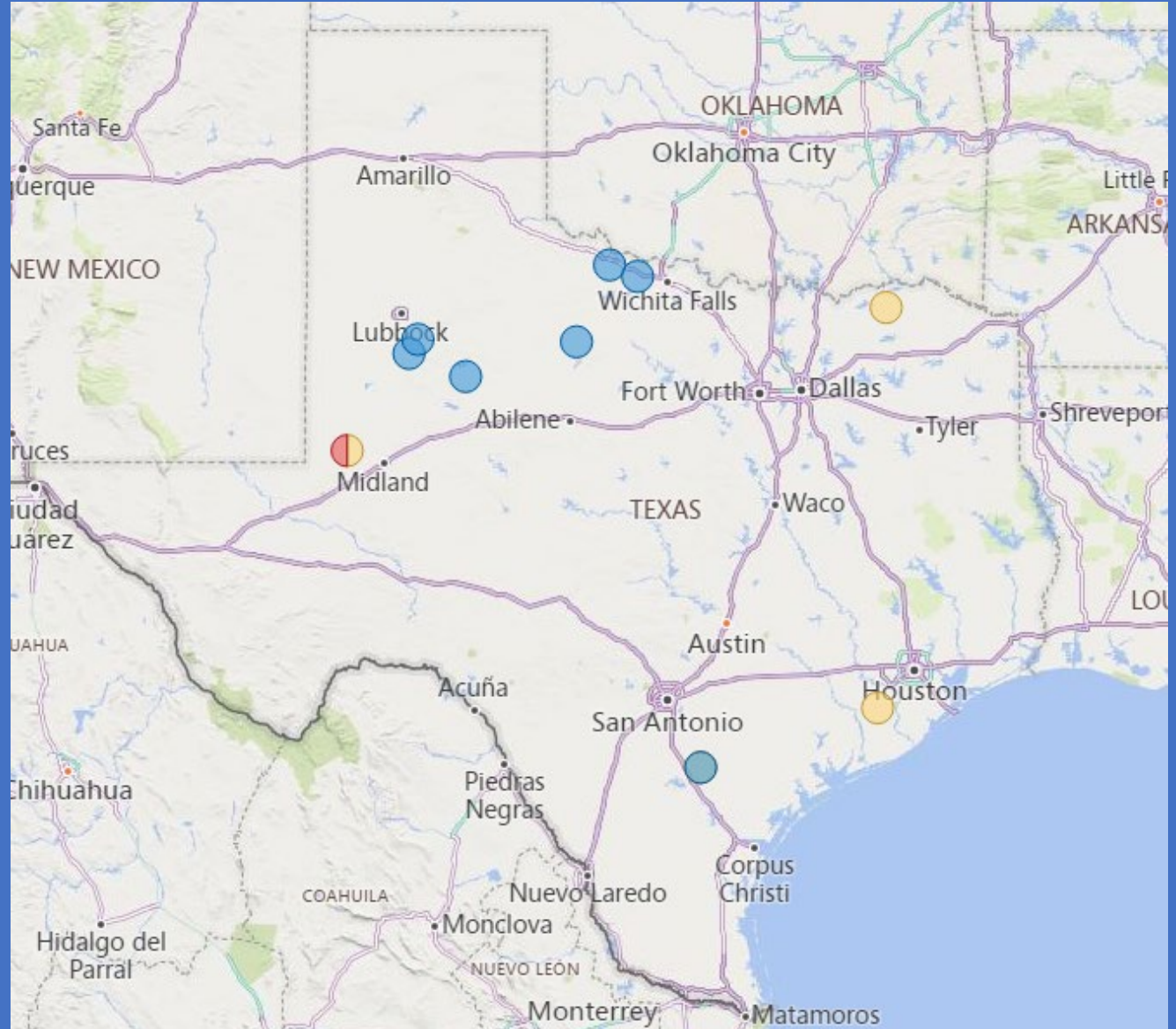
- One of Todd's favourite quotes is: "Don't ever forget where you came from." I try to live by this in my work life in order to always remember where I started and where I am now in this industry. At the same time not ever asking something of someone that I would never do or have not done in the past.



Hot Weather Preparedness for Renewable Energy Facilities

Todd Unrein
Director of Operations, Texas Region

Generating Resources in Texas



Summer Weather Critical Components & Heat Protection Measures

- In addition to 24/7 monitoring Orsted performs a monthly alarm review to identify any underlying issues that could cause active derating or future trips.
- Scheduled maintenance is performed prior to the warmer season on an annual basis.

| Applicable Facilities | Summer Weather Critical Components | Heat Protection Measures | Inspection / Maintenance | Monitoring Method |
|---|--------------------------------------|------------------------------|---|---|
| PERM | Inverters ⁴ | Inverter cabinet fans | <ul style="list-style-type: none"> • Annual inverter maintenance <ul style="list-style-type: none"> ○ Inspect cabinet fans ○ Inspect sealing and insulation ○ Clean air ducts & ventilation grids • Perform Monthly Alarm Review | Remote Operations Center |
| DER, HEL, LOC, SGD, TAH, WSW, WTW | Turbines ⁴ | Turbine cabinet fans | <ul style="list-style-type: none"> • Annual turbine maintenance <ul style="list-style-type: none"> ○ Inspect cabinet fans ○ Inspect sealing and insulation • Perform Monthly Alarm Review | Remote Operations Center |
| DER, HEL, LOC, PERM, SGD, TAH, WSW, WTW | Transformers | Transformer cooling fans | <ul style="list-style-type: none"> • Monthly Substation Inspection <ul style="list-style-type: none"> ○ Inspect fans to verify functionality ○ Inspect sealing ○ Inspect for dirt, dust, and moisture | Remote Operations Center |
| PERM | Battery Building | Storage Building HVAC | <ul style="list-style-type: none"> • Monthly Substation Inspections <ul style="list-style-type: none"> ○ Inspect storage building HVAC system | 3 rd Party Monitoring Internal Monitoring |
| DER, HEL, LOC, PERM, SGD, TAH, WSW, WTW | Control House | Control House HVAC | <ul style="list-style-type: none"> • Monthly Substation Inspections <ul style="list-style-type: none"> ○ Ensure HVAC units are operating as intended ○ Ensure thermostat is set within 5 degrees of setpoint. ○ Ensure thermostat has no active alarms | Remote Operations Center Internal Monitoring |
| LOC, TAH | Expansion Control House, if equipped | Expansion Control House HVAC | <ul style="list-style-type: none"> • Monthly Substation Inspections <ul style="list-style-type: none"> ○ Ensure HVAC units are operating as intended ○ Ensure thermostat is set within 5 degrees of setpoint. • Ensure thermostat has no active alarms | Remote Operations Center Internal Monitoring |

Hot Weather Critical Components

16 TAC § 25.55 (c)(2)(E) Beginning in 2023, **create a list of all hot weather critical components**, review the list at least annually prior to the beginning of the summer season, and update the list as necessary.

Weather critical component - Any component of a resource or transmission facility that is susceptible to fail as a result of a weather emergency, the occurrence of which failure is likely to significantly hinder the ability of the resource or transmission facility to function as intended or, for a resource, is likely to lead to a trip, derate of more than five percent of the capacity represented in the resource's seasonal net maximum sustainable rating or of the transmission facility's rating, or failure to start.

| Facility Type | Hot Weather Critical Components | Susceptible to fail as a result of a weather emergency? (Y/N) If yes, answer next two columns. | Likely to lead to a trip, derate of more than 5% of capacity? (Y/N) | Susceptible to failure to start? (Y/N) |
|-----------------|---------------------------------|---|---|--|
| Solar | Inverter | Yes | Yes | Yes |
| | Control House | Yes | Yes | Yes |
| | Main Power Transformer | Yes | Yes | Yes |
| | | | | |
| Wind | Turbine (may need more detail) | Yes | Yes | Yes |
| | Control House | Yes | Yes | Yes |
| | Main Power Transformer | Yes | Yes | Yes |
| | | | | |
| Battery Storage | Inverter | Yes | Yes | Yes |
| | Control House (same as PV) | Yes | Yes | Yes |
| | Battery Building | Yes | Yes | Yes |
| | Main Power Transformer | Yes | Yes | Yes |
| | | | | |
| | | | | |

HWCC Reviews

16 TAC § 25.55 (c)(2)(E) Beginning in 2023, create a list of all hot weather critical components, **review the list at least annually prior to the beginning of the summer season**, and update the list as necessary.

Annual meeting is held before June 1st to review safety and operational risk within the Region as well as reviewing the list of hot weather critical components and documented in Orsted repository.

| Creation | Task Name | Facility | Due Date | Absolute Date | Done | Completi... Date | Assigned To | Comments | Status |
|----------|--|------------------|----------|---------------|--------------------------|---------------------|--------------------|----------|--------------------------------------|
| | Annual Review - Hot Weather Critical Components | | | | <input type="checkbox"/> | | | | |
| 05/09/23 | 2024 Review - Hot Weather Critical Components | ERCOT Facilities | 05/01/24 | 06/01/24 | <input type="checkbox"/> | | Kristi Huffstatler | | ● |
| 05/09/23 | 2025 Review - Hot Weather Critical Components | ERCOT Facilities | 05/01/25 | 06/01/25 | <input type="checkbox"/> | | Kristi Huffstatler | | ● |
| 05/09/23 | 2026 Review - Hot Weather Critical Components | ERCOT Facilities | 05/01/26 | 06/01/26 | <input type="checkbox"/> | | Kristi Huffstatler | | ● |

Evidence Request Tool (ERT)

16 TAC § 25.55 (c)(2)(C) Review the adequacy of staffing plans to be used during a summer weather emergency and revise the staffing plans, as appropriate.

Semi-Annual review of staffing assigned to each Orsted project within the Region to ensure the proper amount of support in the event of a weather related event.

| Creation | Task Name | Facility | Due Date | Absolute Date | Done | Completi... Date | Assigned To | Comments | Status |
|----------|--|------------------|----------|---------------|--------------------------|------------------|--------------------|----------|--------|
| | Semi-Annual Review - Staffing Plans for Summer and Winter Emergencies | | | | <input type="checkbox"/> | | | | |
| | 2024 Summer Staffing Plan Review | ERCOT Facilities | 05/01/24 | 06/01/24 | <input type="checkbox"/> | | Kristi Huffstatler | | ● |
| | 2024 Winter Staffing Plan Review | ERCOT Facilities | 11/01/24 | 11/01/24 | <input type="checkbox"/> | | Kristi Huffstatler | | ● |
| | 2025 Summer Staffing Plan Review | ERCOT Facilities | 05/01/25 | 06/01/25 | <input type="checkbox"/> | | Kristi Huffstatler | | ● |
| | 2025 Winter Staffing Plan Review | ERCOT Facilities | 11/01/25 | 11/01/25 | <input type="checkbox"/> | | Kristi Huffstatler | | ● |

Severe Weather Action Plan

Upon receipt of a Weather Advisory, Operating Condition Notice or Hot Weather Alert:

- Conduct an all-hands meeting with relevant site personnel prior to the weather arriving
- Evaluate ongoing outages to determine if resource can be returned to service.
- Evaluate scheduled outages to determine if planned work can be deferred and outage rescheduled.
- Confirm 24/7 availability of the operations center to monitor and remote troubleshoot turbines and inverters for the duration of the event.
- Emphasize the need to monitor turbine and inverter performance and communicate derates in an expeditious manner.
- Verify no HVAC related alarms are present in Control House or BESS Facilities, as applicable to the site.