



# Oct 14, 2023 - Annular Solar Eclipse

ROS

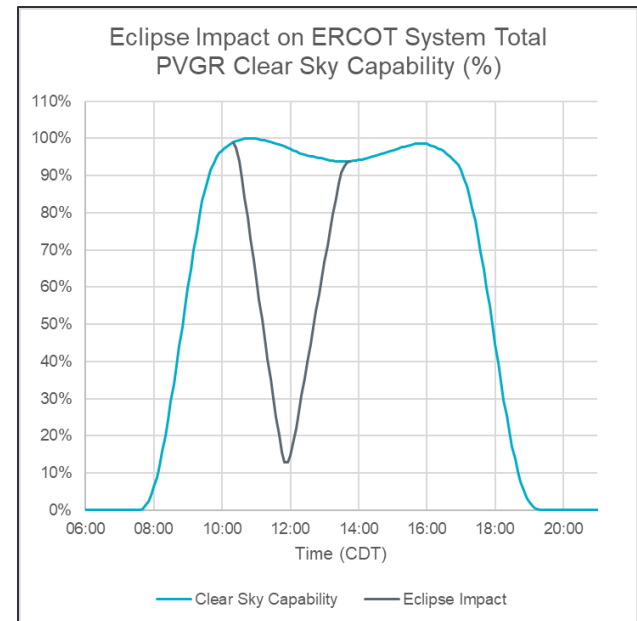
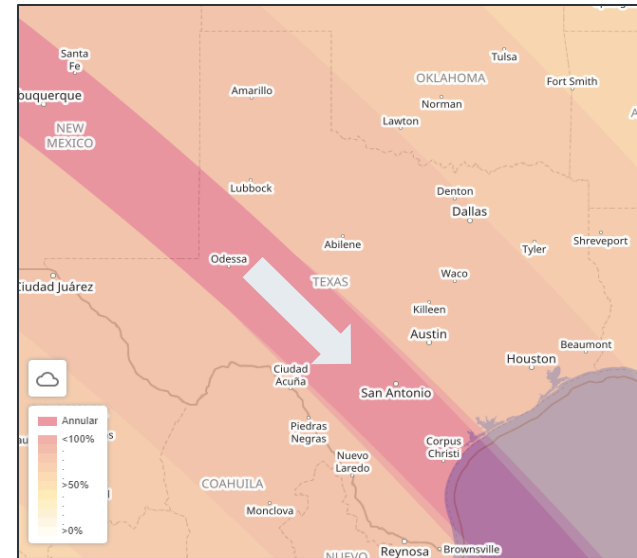
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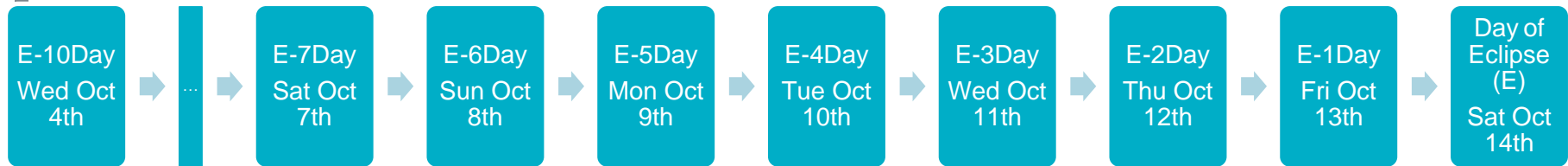
# Annular Solar Eclipse - October 14, 2023

- On Saturday, October 14, 2023, an annular solar eclipse will pass through the ERCOT region.
- The eclipse will impact PhotoVoltaic Generation Resources (PVGR) in ERCOT between 10:15AM and 1:40PM CDT. PVGRs will experience a maximum coverage of sun ranging from 76% to 90%, with the system total PVGR clear sky capability reducing to a minimum of 13% at the time of maximum impact at 11:50AM CDT.
- ERCOT is working with solar forecast vendors to ensure the forecasting models account for the impact of the eclipse. ERCOT will pre-posture the system as necessary to meet both the down and up solar ramps and use Ancillary Services for additional balancing needs.

**Key Takeaway:** ERCOT is planning for the annular solar eclipse on October 14, 2023, and will use available tools to balance the system.



# Activities Prior to Eclipse



- **Day of Eclipse(E) - 10Day(D), Wed Oct 4th:** Receive and review ad-hoc forecasts from vendors for day of eclipse.
- **E-9D, Thurs Oct 5<sup>th</sup>:** Send 1<sup>st</sup> market notice reminding market of eclipse.
- **E-7D, Sat Oct 7<sup>th</sup>:** Review forecast selections, monitor weather and potential for net load up-ramp.
- **E-2D, Thurs Oct 12<sup>th</sup>:**
  - Prior to Friday's DAM, review forecast selections and AS requirements for the eclipse hours and assess if changes are necessary.
  - Send 2<sup>nd</sup> market notice reminding market of eclipse.
- **E-1D, Fri Oct 13<sup>th</sup>:**
  - After DAM clears and prior to DRUC, assess sufficient capacity margin for eclipse window and if forecast selection changes are needed.
  - After DRUC, review any RUC recommendations and projected committed capacity margin for eclipse hours.
- **Day of Eclipse:**
  - At 08:00AM, 2 hours prior to operating hour of eclipse window, assess forecast performance and review GTBD parameters.