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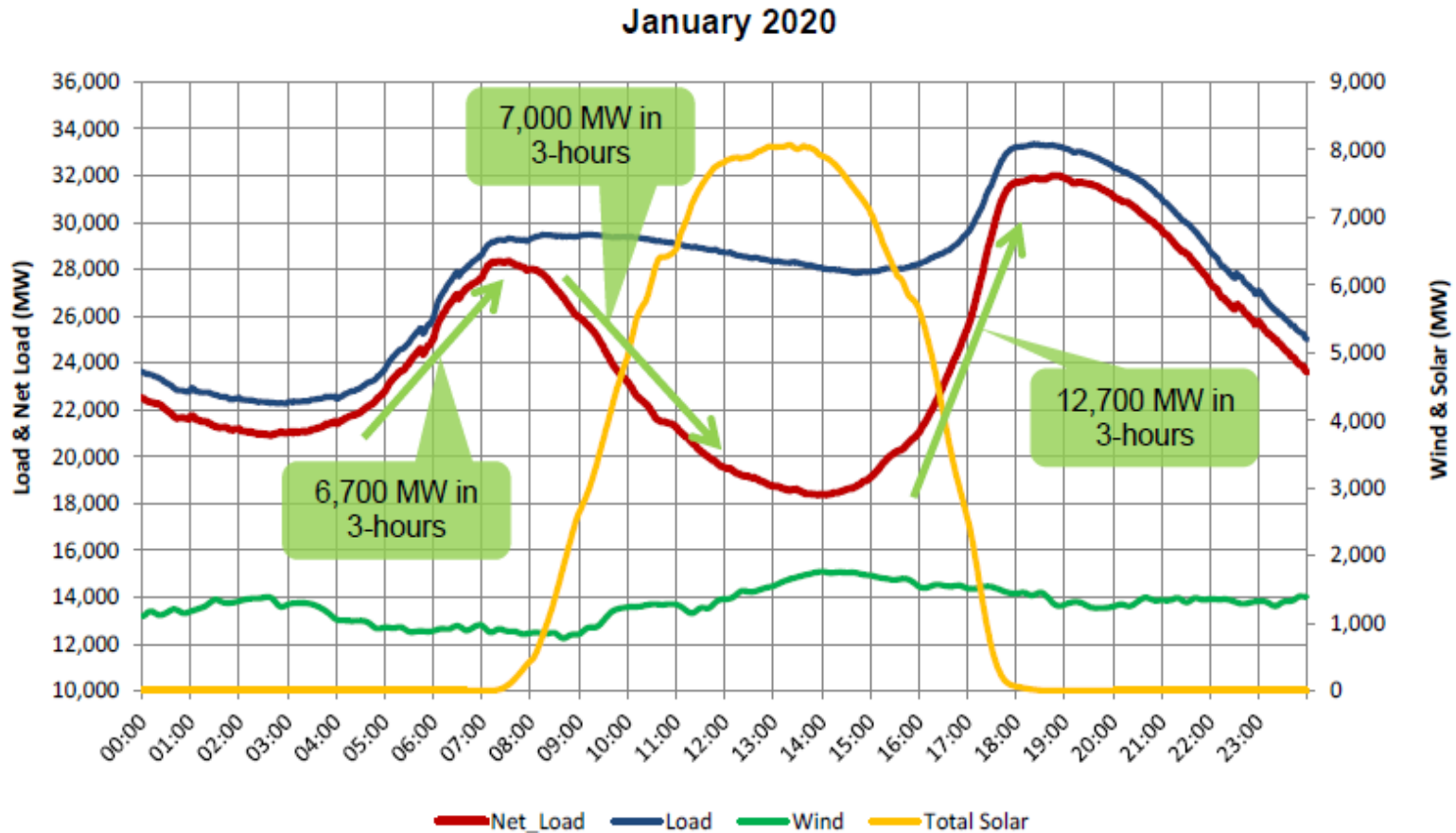
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# NAGF Mission



The NAGF mission is to promote the safe, reliable operation of the generator segment of the bulk electric system through generator owner and operator collaboration with grid operators and regulators.

# Impact Of Variable Energy Resources



## CAISO 2020 Projected Ramp

# Impact To Generation



- Wind peaks in evening and can cut out due to high wind speed. Solar peaks in the early afternoon and drops off quickly at dusk.
  - This forces extensive ramping, peaking and cycling of fossil plants
  - The harsh duty cycle results in increased O&M costs
  - Cycling reduces operating hours and revenue

# Q & A



Thank you!

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