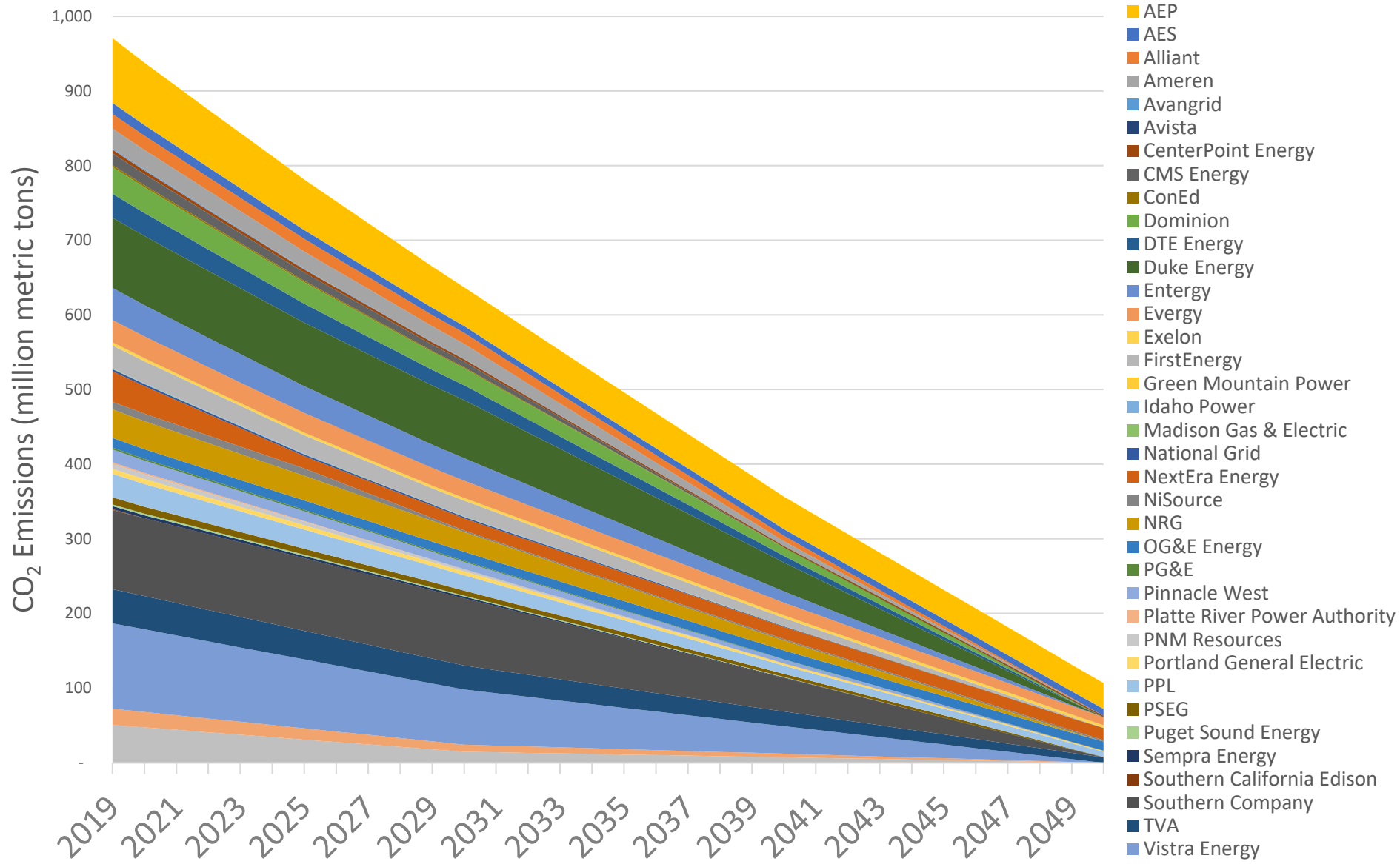
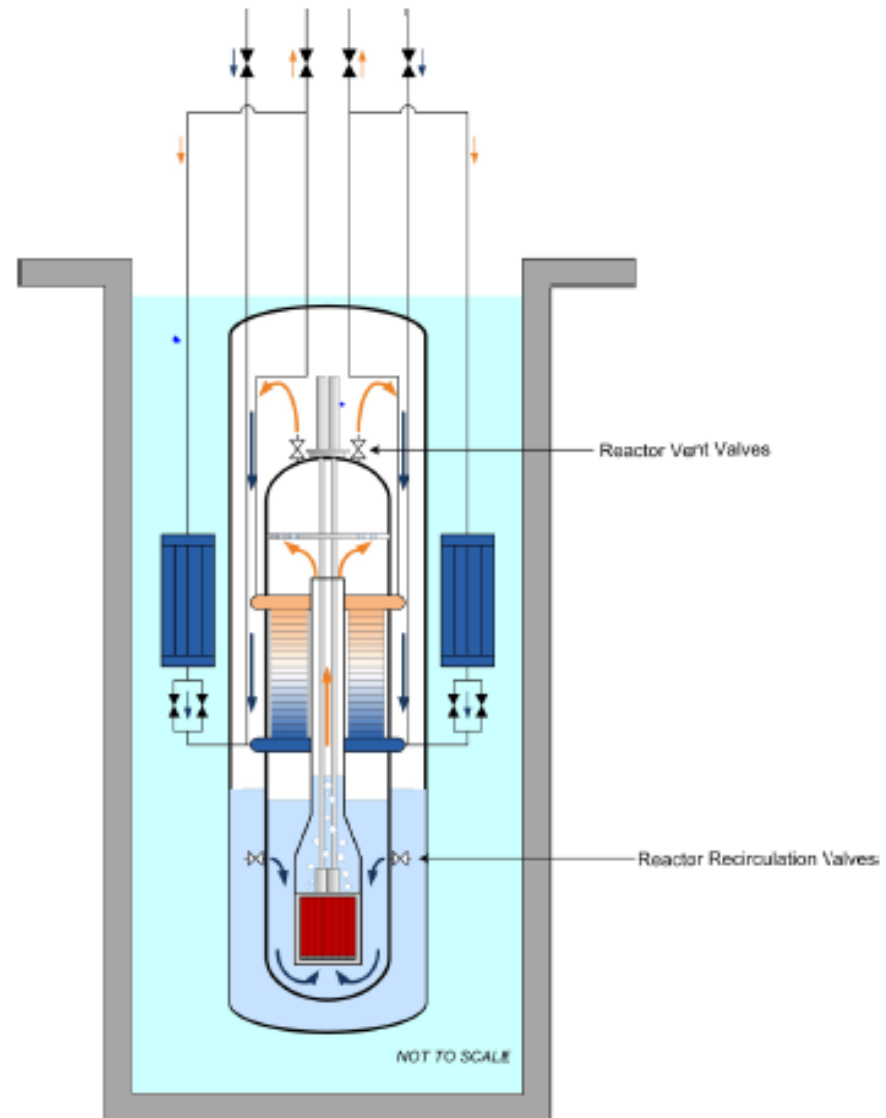


Utility carbon emission projections based on pledges

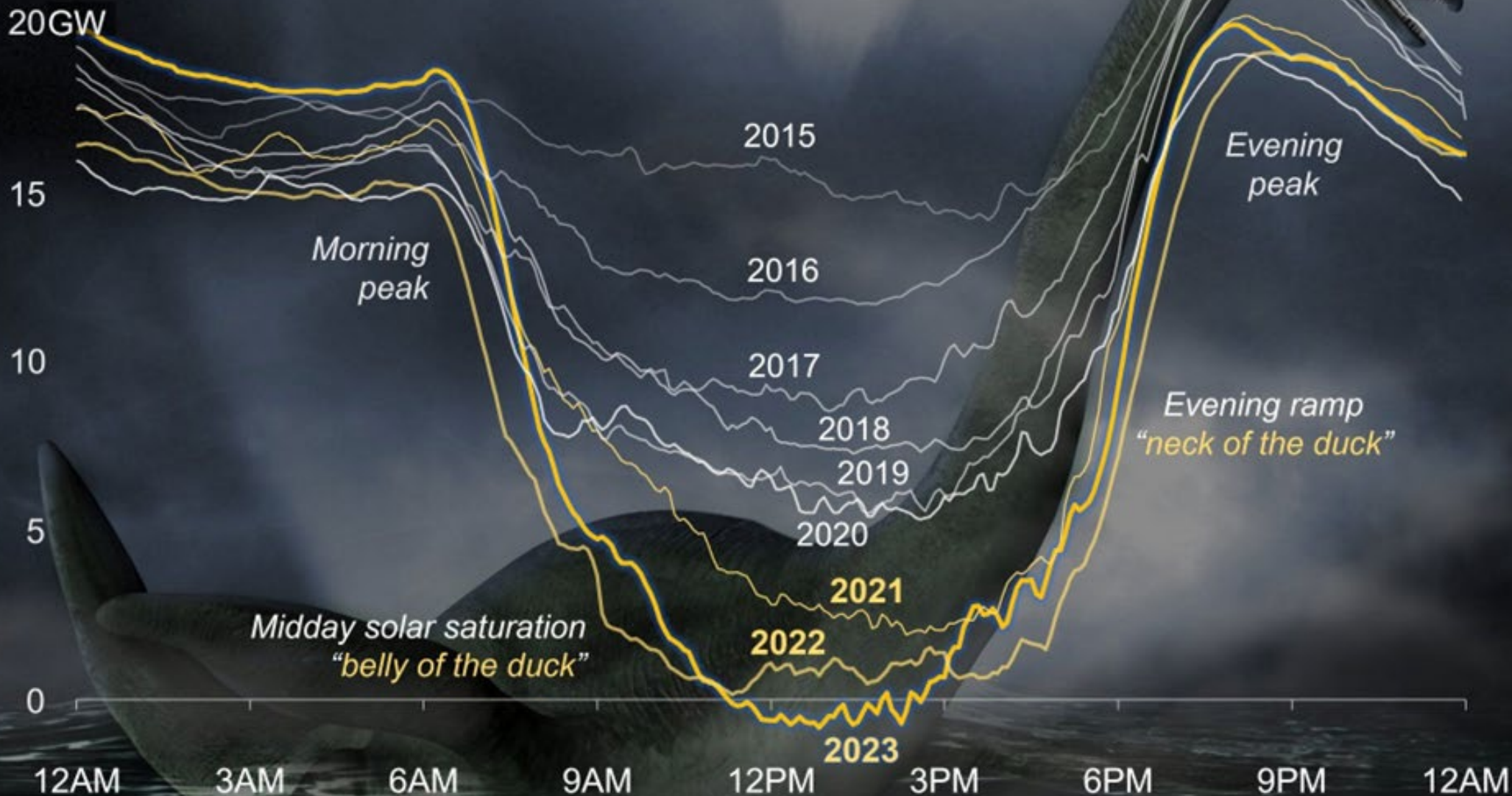


Source: ABB Velocity Suite, U.S. Environmental Protection Agency, utility news releases.
 Updated: December 2020



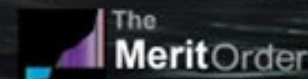
California's duck curve hits record lows

Lowest minimum net load day each year in CAISO, 2015-2023



Source: CAISO | @BPBartholomew

Note: Net load shown is demand minus utility-scale wind and solar



Matthew L. Wald

Science Writer

Energy Communications Consultant

Washington, DC

Matthew.L.Wald@gmail.com