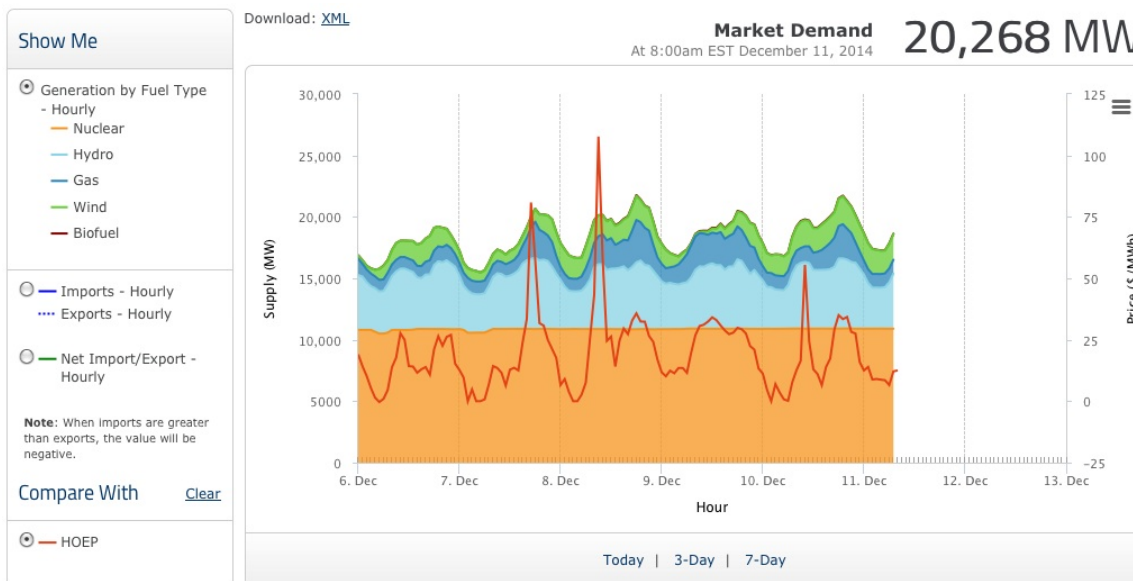


**Adverse Impact on Baseload Generators From Excess Wind Generation:**

- currently night time generator availability is increased due to nuclear return to service, combined cycle natural gas generators that do not derate easily, and more wind generators producing higher output at night
- Night time load is falling due to loss of 24 hour industry demands
- Results in excess generation at night in Ontario, see two examples below.



- Week of Dec 6 to Dec 11 shown above. At night on Dec 6 and Dec 7, Nuclear units derated about same amount as amount wind supplying.
- Baseload (run of river hydro), wind, and some natural gas generation continue even though nuclear units derated on Dec 6 and 7.
- In week ending Nov 7 shown below note larger nuclear derating occurring on Nov 4 and Nov 5 (midweek) due to excess generation. Nuclear derating is again about the same as supply by wind.

