

DOCKETED

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TOU GHG and AB1110 PCL

2017.12.13

TOU GHG and AB1110 PCL

Time Of Use Greenhouse Gases and the AB1110 Power Content Label.

There should be no prohibition of showing Greenhouse Gas quantities on a basis of time of use on the AB1110 Power Content Label.

If a energy supplier has the data and wants to display charts or tables to let the energy consumer know more, they should be allowed to do so.

Those that believe it difficult or confusing to show such charts or tables may be unfamiliar with how little data processing is required to better inform and keep their customers.

The market transformation as spoke of in this video clip https://youtu.be/_BE47rMtAWM is more likely to be achieved if the energy consumer is better informed in a timely manner.

Here is a link to a chart example that not only conveys where the most carbon is and at what time, it also shows the renewable shortage total kWh and peak renewable output kW required to meet renewable energy goals at all hours of the day.

<http://ugemrp.com/caiso/dashboard/pcl/0000/yesterday.svg>

A image of the chart is attached below.

This chart is but a slight modification of Material Resource Planning (MRP) charts that are used everyday to understand resources and do continuous improvement that allow you to buy better cars, phones and just about any other product you can think of, at competitive prices and delivered on-time.

If electric utilities have the capability and intend to charge different rates based on time of day, they should also be able to let the energy consumer know what they are getting for what they are paying.

Let the energy consumer be informed in their energy use and environmental costs.

ever onward,

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Additional submitted attachment is included below.

Tue 12/12/2017 CAISO Electricity Power Content

CO₂ 11,706 MT, 25,807,150 lbs

Load 30,550,000 kWh

Daily Totals:

CO₂ 464,225,100 lbs, 210,569 MT

623,258,000 kWh

97,433,000 kWh

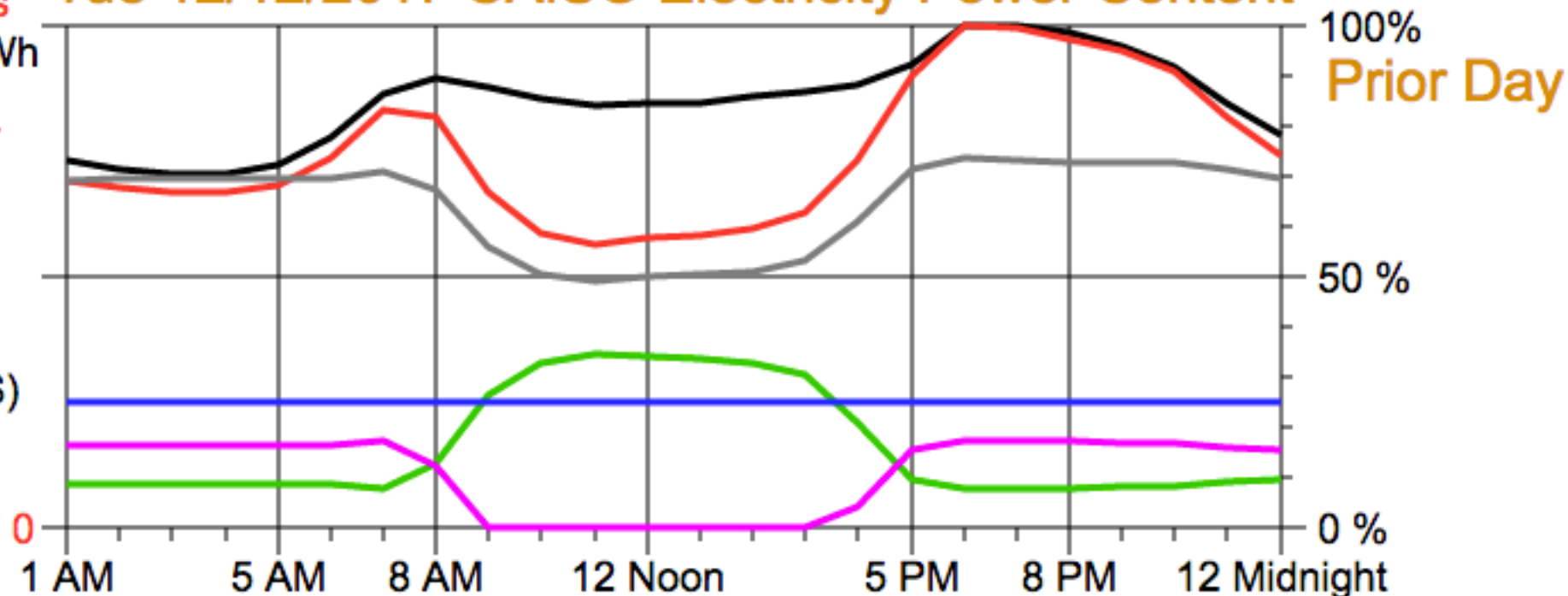
68,260,766 kWh

5,242,871 kW Peak

Renewables Portfolio Standard (RPS)

25.00% 2017 RPS Goal

16.13% (RPS Goal -8.87%)



CO₂ % : 100% CO₂ = 1.15 lbs/kWh, Based on 1 Therm Generating 11.72 kWh at 13.45 lbs CO₂/Therm.

CO₂ : Pounds (lbs) per kWh Times Hourly kWh Electricity Usage, MT is Metric Tonne (2,204.62 lbs).

Load : Hourly kWh.

Renewables % : Hourly Renewables kWh Output Divided by Hourly Load kWh less Water Pumping Load kWh.

Renewables Shortage % : Renewables kWh Hourly Goal Shortage.

2017 Goal % : 25.00% Renewables.

Data Source