

8.4 Technical Requirements For Providing Ancillary Services

8.4.1.3 Voltage Support

THIS TARIFF SECTION WILL BECOME EFFECTIVE ON NOVEMBER 27, 2012.

A Generating Unit providing Voltage Support must be under the control of generator automatic voltage regulators throughout the time period during which Voltage Support is required to be provided. A Generating Unit may be required to operate underexcited (absorb reactive power) at periods of light system Demand to avoid potential high voltage conditions, or overexcited (produce reactive power) at periods of heavy system Demand to avoid potential low voltage conditions.

For Asynchronous Generation Facilities providing Voltage Support, reactive power capability shall be controlled by an automatic voltage regulation system having both voltage regulation and net power factor regulation operating modes. The default mode of operation will be voltage regulation. The voltage regulation function mode shall automatically control the net reactive power of the Asynchronous Generating Facility within the required limit to regulate to the scheduled voltage, compensated to the Point of Interconnection, as assigned by the Participating TO or ISO, within the constraints of the reactive power capacity of the Asynchronous Generation Facility. The Asynchronous Generation Facility shall not disable voltage regulation controls, without the permission of the CAISO, while the Asynchronous Generating Facility is in operation.

Commented [A1]: This provision should become a characteristic for providing reactive support and applicable to all types of generation.

Commented [A2]: Why does this requirement only apply to Asynchronous Generation? This should be a universal requirement, if at all.

Commented [A3]: This is too vague. Will CAISO/PTO schedule voltage at the high side of the generator step-up transformer (the point normally controlled by the asynchronous generator) or will they want the asynchronous generator to monitor and control the POI voltage remotely.

Commented [A4]: Why does this requirement only apply to Asynchronous Generation? This should be a universal requirement, if at all.