

BIOMAX MEETS CARB EMISSIONS STANDARDS

Community Power Corporation (CPC) contracted with an independent environmental testing laboratory to measure the emissions from our BioMax 50 modular biopower system at our Littleton, Colorado facility. The objective of this program was to measure emissions and the exhaust flow rate while converting wood chips to electricity and heat.

In order to document the Certification of the unit in terms of the California regulations for Distributed Power Generation Certification 2003 Standards (CA DPG 2003) emission measurements were made for oxides of nitrogen (NO_x), carbon monoxide (CO), volatile organic compounds (VOC), sulfur dioxide (SO₂), oxygen (O₂), and carbon dioxide (CO₂). A series of three test runs were made according to the CA DPG 2003 certification procedures. Each run was made up of 30 minutes periods at 100% of Unit load, 75% of Unit load, and 50% of Unit load. The measurements were conducted using a transportable continuous emission monitoring system.

The average measured emission rates were compared to the CA DPG 2003 values (both combined heat and power and the electrical output only limits) in terms of pounds per megawatt-hour (lb/MWh). In all cases the measured results were below the CA DPG 2003 limits.