

# CPower Energy Management



## *What the Judges said...*

***“With the growing oversight of ESG reporting, there is a need for accurate, replicable quantification of carbon reduction from demand response programs. CPower is a leader in Demand Response and would be a leading candidate to develop this type of modeling.”***

The data center industry is large enough that reducing its energy consumption can drive a meaningful impact, and demand response participation offers a simple way for data centers to increase their emissions savings.

In August 2021, energy solutions provider CPower worked in partnership with WattTime, an environmental tech nonprofit that empowers all people, companies, policymakers, and countries to slash emissions and choose cleaner energy, to analyze factors relating to Digihost’s CO2 impact, with the goal of understanding the crypto mining company’s demand response performance. The analysis included the type of fuel mix, time of day, weather, and utility zone during 29 hours of demand reduction tests and events from the May 2019 – June 2021 participation seasons.

Through its partnership with CPower, blockchain technology company Digihost achieved nearly 150 metric tons of marginal CO2 site reduced marginal carbon emissions by 5.1 tons per hour of demand response participation – the equivalent of 5,637 tons of coal burned per hour. This is equivalent to mitigating 164 lbs. of coal burning avoidance or sequestering 182 acres of US forests for one year.

