Background

Cox Enterprises, Georgia’s largest private company and one of Atlanta’s top employers, is committed to sustainability and growing environmental awareness. The company has deployed renewable energy assets at a large number of locations throughout the country.

In Metro Atlanta, Cox Enterprises has a solar PV installation at its headquarters and a solar thermal installation at its Manheim Georgia location. Combined, the two projects prevent nearly 120 tons of carbon from entering the environment on an annual basis. A solar PV project in Middle Georgia annually prevents an additional 76 tons of carbon from entering the environment.

Tracking the performance of these assets is very complex and requires constant monitoring across multiple sites with a variety of instruments and data streams. Due to this complexity, if assets malfunction, the costly results might go undetected for weeks or even months. Proper operation is important from both a fiscal and environmental standpoint.

The Solution

Two Atlanta-based companies – Cox Enterprises and Empower Energy Technology – joined forces to ensure the alternative energy systems are providing the expected environmental benefits.

Empower Energy Technology’s unique energy monitoring system powered by PowerEnfo provides real-time monitoring visible through a cloud powered, web-based dashboard source. Best of all, the Empower Energy Dashboard does the analysis for the monitor. PowerEnfo even generates alerts so that notifications are received when energy production or usage reaches pre-determined thresholds. Using this tool, problems are pinpointed and communicated before losses add up.

How It Works

IP based submeters at each location provide readable, real-time information. Web access allows for constant monitoring from any locale, so Cox’s energy managers are not tied to their desks. Problems are detected and corrected quickly. Better monitoring provides better performance, which offers the best possible return on investment.

Visit www.powerenfo.com for more information.