



**Constellation Energy®**

# **CONSTELLATION ENERGY CONTROL & DISPATCH GROUP**

Balancing Today's Energy Resources  
With Tomorrow's Energy Expectations

CONSTELLATION ENERGY CONTROL & DISPATCH GROUP WORKS WITH LEADING LOAD-SERVING ENTITIES TO ACHIEVE THE RIGHT BALANCE BETWEEN NORTH AMERICA'S ENERGY NEEDS AND ITS ENERGY CHALLENGES. GENERATORS, MUNICIPALITIES AND ELECTRICAL CO-OPERATIVES OF ALL SIZES TURN TO US TO MANAGE ENERGY ASSETS AND DATA, AND ENSURE THAT POWER IS DELIVERED EFFICIENTLY AND RELIABLY.



## Harnessing the Power of Wind

The rapid growth of wind power presents both opportunities and challenges, and Constellation Energy Control & Dispatch Group is a leader in managing renewable energy. With our state-of-the-art wind integration services, we're helping customers like Acciona, the world's largest wind energy developer, to harness the power of this resource and manage variability. Pictured here is one of the Acciona locations for which we provide scheduling, dispatch, settlement and meter services. The scenic 180 MW Tatanka Wind Facility is comprised of 120 wind turbines in the Dakotas. Our wind customers can select from an integration service suite that includes accurate wind forecasting, balancing authority certification, energy accounting and the ability to dispatch power from alternative sources to reduce off-take volatility.

Today's evolving energy marketplace, which now includes a rapidly expanding fleet of sustainable energy sources, requires an intricate balancing act to ensure that power continues to flow reliably across the grid. Integration of wind, solar, and hydro with conventional power sources demands a sophisticated energy control and dispatch solution. Constellation Energy Control & Dispatch Group is that solution—balancing today's energy resources with tomorrow's energy expectations.

### **MAKING SUSTAINABILITY A REALITY**

#### ***Solutions as brilliant as the sun and as powerful as the wind***

We're working with customers today to harness the power of sustainable energy resources and to manage the volatility of wind and solar resources. Our 24-7 integration desk tracks and accounts for variations in output from

wind facilities and other renewable sources. Balancing the natural variations of sustainable power with the continuous demands of the grid requires the sophisticated forecasting and dispatch systems, and the experience that Constellation Energy provides.

#### ***Helping customers reduce demand***

Reducing demand is a critical component to any sustainability program. Constellation Energy Control & Dispatch pioneered demand response processes, working for years with municipalities to curtail load and to bring micro generators online during times of peak demand. Now we're applying our load shedding expertise to support demand response programs throughout North America. These programs require precise metering and accounting, real time management and crisis management capabilities that our time-tested systems and personnel provide.



## **EMPOWERING CUSTOMERS**

Our customers choose Constellation Energy Control & Dispatch because:

### ***We can save them millions in penalties and billing errors.***

From our state-of-the-art energy control center in Houston, we can analyze electrical power grid activity 24/7 in real time, creating a powerful energy reconciliation tool that can save our customers millions in unjustified penalties and billing errors.

### ***We provide them authority and flexibility in managing their power supply and sales.***

Leveraging our coast-to-coast infrastructure that includes everything from real-time spinning reserve management to robust in-house accounting platforms to power tagging approval authority and dynamic scheduling – our customers are always in power.

### ***We keep the lights on.***

The bottom line: our systems combine the best technology and security with multiple redundancies to make sure the power keeps flowing – no matter what.



*“Constellation Energy Control and Dispatch did an amazing job working hand in hand with our team in implementing the Conway Balancing Authority.”*

*George H. Heintzen Jr.  
Director, Power Supply  
& Major Accounts,  
Conway Corporation*

## **CAPABILITIES**

- 24/7 state-of-the-art control center
- Real-time energy system information capture (4-second granularity)
- Turnkey balancing authority implementation, certification and operation
- Load forecasting and supply portfolio management
- Advanced scheduling and energy-tagging services
- Supply RFP management and consulting services
- Energy reconciliation and settlement services
- Energy product development for market differentiation
- Transmission management and consulting services

## **HOW CAN WE SERVE YOU?**

Call us today to discuss your energy management objectives.

Contact:

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**Constellation Energy**<sup>®</sup>

The way energy **works.**<sup>™</sup>

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