CASE STUDY

Marin Clean Energy

Learn how Marin Clean Energy reduced its complex contract generation and invoicing time by 90% using the Power Settlements ContractCore software solution.

THE CLIENT

In 2010, Marin Clean Energy (MCE) became the first Community Choice Aggregator (CCA) in California. It is a not-for-profit agency that serves 1.5 million residents and businesses in four counties north of San Francisco with a peak load of 1,400 MW. By procuring almost one gigawatt of power from solar, wind, biogas, geothermal, and hydroelectric sources via more than 50 PPAs, MCE needed an end-to-end software system to streamline its counterparty invoice validation and creation, and implement advanced analytics and reporting.

CHALLENGES

MCE's work with renewable project developers involves complex PPAs that require detailed calculations for monthly invoicing. These challenges were compounded by several factors:

MCE's has many complex Power Purchase Agreements
MCE has several dozen PPAs with terms of 15-20 years. Managing and invoicing these involves very detailed calculations that had become increasingly challenging in a dynamic CAISO market.

Complex PPA Calculations
MCE's contracts required intricate calculations, particularly around energy curtailments, to ensure accurate payments to counterparties.

Managing Variable Contract Terms
Each contract had unique terms, making it challenging to standardize processes across dozens of agreements in the dynamic CAISO market.

Manual and Error-Prone Systems
Previously relying on Excel with VBA programming, MCE struggled with errors, time-consuming processes, and lack of traceability. Non-technical staff found the setup difficult to use, leading to additional issues in invoicing.

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> We've had a lot of efficiency come into our invoicing process, especially with how we validate, which saves a lot of time. Power Settlements also has really great energy industry expertise that you can see in their Customer Support staff who really know what they're talking about. Any questions we have are answered promptly and accurately.

Maddie Kandukuri
Principal Manager, Power Analytics
Marin Clean Energy

RESULTS

MCE assessed four different software vendors and established a scoring matrix comprised of several attributes that Power Settlements and ContractCore scored highest on.

MCE evaluated competing software solutions based on a host of factors that included:

- Efficiency of system workflows & automations
- Robustness of the system calculation engine
- Ease of integration with in-house ETRM
- Could the solution be hosted and easily scaled?
- Ease of adding new contracts
- Vendor customer service and expertise in the CAISO
- Budget friendliness

BENEFITS

Marin Clean Energy has enjoyed numerous benefits after deploying the ContractCore solution such as:

1 **Boosted Productivity & Time Savings**

- MCE invoice validation times dropped *from 4-5 hours to less than 10 minutes* per invoice.
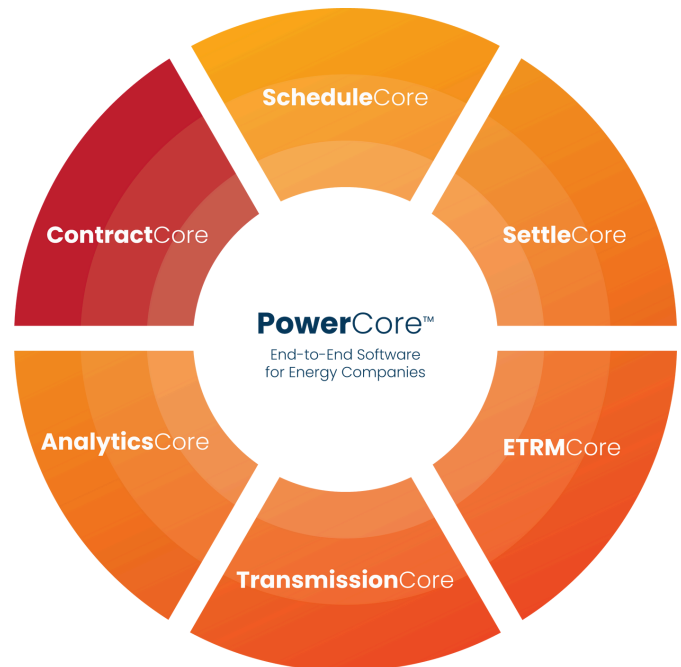
2 **Enhanced Invoicing Accuracy**

- Data integration was fully automated to reduce invoicing errors and ensure consistency.

3 **Improved Auditability**

- ContractCore provided a reliable system of record and advanced dispute tracking.

4 **More Streamlined Operations**

- ContractCore centralized data access, simplified PPA management, and integrated smoothly with MCE's ETRM and general ledger systems.

ScheduleCore

SettleCore

ContractCore

PowerCore™
End-to-End Software
for Energy Companies

ETRMCore

AnalyticsCore

TransmissionCore

*PowerCore's **ContractCore** module manages, shadows, and invoices any complex energy agreement.*

Our Mission

The Power Settlements team at Yes Energy builds, deploys, and supports software to help energy suppliers thrive while navigating complex markets incorporating volatility, 24/7 operations, and ever-changing rules.

Who We Are

We believe in a team-first, collaborative workplace that ensures our solutions elevate the user experience, productivity, and enterprise insight to capture all available benefits in competitive markets.