



Technical Committee Meeting
Monday, June 13, 2016
6:00 P.M.

The Barbara George Conference Room
1125 Tamalpais Avenue, San Rafael, CA 94901

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Kathrin Sears, Chair
County of Marin

Tom Butt, Vice Chair
City of Richmond

Bob McCaskill
City of Belvedere

Alan Schwartzman
City of Benicia

Sloan C. Bailey
Town of Corte Madera

Greg Lyman
City of El Cerrito

Barbara Coler
Town of Fairfax

Kevin Haroff
City of Larkspur

Sashi McEntee
City of Mill Valley

Brad Wagenknecht
County of Napa

Denise Athas
City of Novato

Carla Small
Town of Ross

Ford Greene
Town of San Anselmo

Genoveva Calloway
City of San Pablo

Andrew McCullough
City of San Rafael

Ray Withy
City of Sausalito

Emmett O'Donnell
Town of Tiburon

1. Board Announcements (Discussion)
2. Public Open Time (Discussion)
3. Report from Executive Officer (Discussion)
4. Approval of 3.7.16 Meeting Minutes (Discussion/Action)
5. Change to MCE Rate Labels (Discussion/Action)
6. Draft Agreement for Scheduling Coordinator Services (Discussion/Action)
7. Update on Recent Procurement and Local Development (Discussion)
8. Committee Member & Staff Matters (Discussion)
9. Adjourn

1125 Tamalpais Avenue
San Rafael, CA 94901

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**MCE
TECHNICAL COMMITTEE MEETING
March 7, 2016
5:00 P.M.**

**The Barbara George Conference Room
1125 Tamalpais Avenue, San Rafael, CA 94901**

Roll Call

Present: Ford Greene, Town of San Anselmo
Kevin Haroff, City of Larkspur
Greg Lyman, City of El Cerrito
Kate Sears, County of Marin, Chair
Ray Withy, City of Sausalito

Absent: Emmett O'Donnell, Town of Tiburon
Carla Small, Town of Ross

Staff: Greg Brehm, Director of Power Resources
Kirby Dusel, Resource Planning & Renewable Energy Programs
David McNeil, Finance and Project Manager
Nick Shah, Power Supply Contract Manager
Dawn Weisz, Chief Executive Officer

Action taken:

Agenda Item #4 – Approval of Minutes from 1.11.16 Meeting (Discussion/Action)

M/s Greene/ Lyman (passed 5-0) approved minutes from 1.11.16 meeting. Directors O'Donnell and Small were absent.

Kate Sears, Chair

ATTEST:

Dawn Weisz, Chief Executive Officer



June 6, 2016

TO: Marin Clean Energy Technical Committee
FROM: Justin Kudo, Manager of Account Services
RE: Changes to MCE Rate Labels

Dear Technical Committee Members:

BACKGROUND:

During MCE implementation, staff created labels for MCE customer rate schedules which differed from those utilized by PG&E, with the intent that these designations would be easier to understand. At the time, MCE anticipated that its rate structure might deviate significantly from the PG&E rate structures at some point in the future. Given the current direction of electric rate design and usage data availability from PG&E, there is no longer such an expectation.

Currently MCE customers have two rate schedules that appear on their bill: their PG&E rate schedule used for non-generation services and their MCE rate schedule used for their generation services. The presentment of two rate schedules can result in customer confusion and can also complicate the billing process. Some California CCAs have recently requested that their data manager eliminate alternate CCA rate labels and instead use the basic PG&E rates.

For the reasons outlined above staff has requested that our data manager eliminate alternate CCA rate labels and instead use the same labels used by PG&E. This change is expected to take effect in July, 2016. We expect this change to make billing simpler for customers as they would only need to find and track a single rate label. It also may reduce call volumes from customers inquiring about how MCE rates align with underlying PG&E rates. It would make it easier for customers to identify their rate as the MCE rate label only shows up in one place towards the back of the bill. It would also reduce the need for outreach and messaging related to translating rates between MCE and PG&E.

This change will eliminate the existence of MCE rate labels and transition to only using PG&E rate labels. For example, we currently use the "RES-1" rate when billing "E-1" PG&E customers. We would convert all mention of the "RES-1" rate to read "E-1".

FISCAL IMPACT: None.

RECOMMENDATION: Discussion item only.



Scheduling Services Request For Offers Update

Nick Shah- Power Supply Contracts Manager | Marin Clean Energy

June 6, 2016



Scheduling Services RFO Purpose

Background: MCE currently has Scheduling Coordination (SC) service agreements with Shell Energy North America (SENA) for Generation, set to expire 9/6/2016 and Load, set to expire 12/31/2017

Purpose: MCE is soliciting offers to replace/ enhance the following services which are currently provided by Shell:

1. Generation Scheduling Coordination (SC)
2. Load SC
3. Load Forecasting (seeking to enhance accuracy & reduce imbalance energy exposure)
4. Portfolio Management (limited services at present)



Summary of Four Service Categories

1. **Generation Scheduling Coordination (SC)**: perform scheduling for power generation resources on a day-ahead, hour-ahead, real-time basis as required; Provide monthly reporting and access to CAISO Statements; support/ provide invoice validation, seeking to add “Shadow settlement” services
2. **Load SC**: perform scheduling of MCE forecast load on a day-ahead/hour-ahead/real-time basis as required
3. **Load Forecasting**: perform forecasting for load on a week-ahead/day-ahead/hour-ahead/real-time basis, as required
4. **Portfolio Management**: Recommend strategies for short term portfolio optimization and risk mitigation, within parameters of MCE’s Risk Policy; manage Congestion Revenue Rights (CRR) bids and CRR portfolio to mitigate congestion costs.



Key Elements of Services Agreement

- **Term:** 5 years (either party may terminate with 180 days written notice)
- **Service Agreement anticipated to start 7/1/2016**
 - Generation Scheduling: 7/1/2016
 - Load Scheduling: 9/1/2017
 - Load Forecasting: 9/1/2017
 - Portfolio Management: 1/1/2017
- **Separate pricing for each service:**
 - Generation Scheduling Fee: \$9,875 per month, escalating at 1.5% annually
 - Load Scheduling Fee: \$2,150 per month, escalating at 1.5% annually
 - Load Forecasting Fee: \$5,125 per month, escalating at 1.5% annually
 - Portfolio Management Fee: \$6,425 per month, escalating at 1.5% annually

Over first 5 years, total cost: \$1.3MM (nominal value)



Key Elements of Services Agreement

- **ZGlobal will post \$500,000 with CAISO for SC Registration Security.**
- **Both parties will work together to cover Estimated Aggregate Liability (EAL) CAISO posting, estimated at \$355,000. MCE's exposure will be capped at \$75,000.**
- **ZGlobal will provide the following CAISO scheduling:**
 - **7-day per week day-ahead pre-scheduling Services**
 - **7 day, 24 hour real-time Services**
 - **Non-Business Day real-time Services**



Key Elements of Services Agreement

- **ZGlobal will conduct shadow settlements (ZGlobal will verify that the CAISO's charges/revenues are accurate.)**
- **ZGlobal will provide the following forecasts:**
 - **Annual energy demand (MWh/month)**
 - **Quarterly energy demand (MWh/month)**
 - **Monthly energy demand (MWh/month)**
 - **Day-Ahead preschedule demand by hour (MWh/hour)**
 - **Intra-day (Hour-Ahead) schedule volumes (MWh/hour)**



Key Elements of Services Agreement

- **ZGlobal will assess and manage MCE's net open positions by performing analysis and strategies for short term energy positions (operating month through real time).**
- **ZGlobal will enter into short term transactions at the written request of MCE and consistent with internal risk policy procedures.**
- **ZGlobal shall provide monthly reporting on net short and long positions, day ahead energy charges, imbalance charges, portfolio changes, and potential areas for improvement and CRR effectiveness reports.**



Key Information Systems/Software Access

Included in the Services Agreement is exclusive access to ZGlobal's Information Resources:

- **MCG Hosted Data Store (HDS):** a separate data store for all of Client's energy transactional and settlement data hosted and maintained by MCG via a software services agreement with ZGlobal. Updated near real-time.
- **Power Settlements Settlecore** (for shadow settlements)
- **Other customized tools developed by ZGlobal**

Direct access may be granted to Yes Energy's PowerSignals and Plexos Integrated Energy Model depending on licensing restrictions.



Questions? Comments?

