

#### Call to Order

The meeting was called to order at 10:04 am PDT by Don Langston, Chair and President of Aire Rite AC and Refrigeration. Meetings are normally scheduled for 60 minutes.

#### **Roll Call**

Quorum for voting organizations = 7 of 12. 5 voting members, 8 non-voting members and 5 guest and 1 staff attended this meeting. A total of 19 members, guests and staff attended.

WHPA Goal 2: CQM Committee VOTING Members

P = present at meeting

A = absent voting member; if proxy has been assigned it will be noted below.

| ACCA (Air Conditioning Contractors   | Donald          | Prather               | Contractor Association                  | P         |
|--|-----------------|-----------------------|---|-----------|
| of America)  |                 | -                     | G                                       |           |
| Aire Rite AC & Refrigeration   | Don             | Langston              | Contractor (Nonresidential)             | P         |
| CLEAResult   | Gretchen        | Egging                | Energy Efficiency Program Consultant    |           |
| FDSI (Field Diagnostic Services Inc.)  | Dale            | Rossi                 | Third Party Quality Assurance Providers |           |
| Honeywell ECC (Commercial  | Mike            | Lawing                | Controls (Manufacturer or Distributor)  | P         |
| Buildings, Trade Sales)  |                 |                       |   |           |
| HSGS (Honeywell Smart Grid   | Shayne          | Holderby              | Energy Efficiency Program Consultant    |           |
| Solutions)   |                 |                       |   |           |
| Marina Mechanical  | Denny           | Mann                  | Contractor (Nonresidential)             |           |
| PG&E (Pacific Gas and Electric   | Jeanne          | Duvall                | California IOU                          |           |
| Company)   |                 |                       |   |           |
| SCE (Southern California Edison)   | Scott           | Higa                  | California IOU                          | P         |
| SDG&E (San Diego Gas and Electric  | Jeremy          | Reefe                 | California IOU                          |           |
| Company)   |                 |                       |   |           |
| Tre' Laine Associates  | Pepper          | Hunziker              | Energy Efficiency Program Consultant    | P         |
| Western Allied Corporation   | Mike            | Gallagher             | Contractor (Nonresidential)             |           |
|  |                 |                       |   |           |
|  | WHPA Go         | al 2: CQM Con         | nmittee NON-VOTING Members              | Roll Call |
| ASHRAE   |                 |                       | Engineering Society                     |           |
| BELIMO Aircontrols, Inc  | Darryl          | DeAngelis             | Controls (Manufacturer or Distributor)  |           |
| Brownson Technical School  | Bill            | Brown                 | Educator, Trainer                       | P         |
| BuildingMetrics Inc. (BMI)   | Pete            | Jacobs                | Energy Efficiency Program Consultant    |           |
| Clean Energy Horizons  | Norm            | Stone                 | Energy Efficiency Program Consultant    | P         |
| CLEAResult (formerly PECI)   | Michael         | Blazey                | Energy Efficiency Program Consultant    |           |
| CLEAResult   | Elizabeth       | DeSouza               | Energy Efficiency Program Consultant    |           |
|  | (Liz)           |                       | , ,                                     |           |
| CLEAResult (formerly PECI)   | Phil            | Jordan                | Energy Efficiency Program Consultant    | P         |
| CLEAResult (formerly PECI)   | Paul            | Kyllo                 | Energy Efficiency Program Consultant    |           |
| CLEAResult (formerly PECI)   | Mike            | Withers               | Energy Efficiency Program Consultant    | P         |
| Honeywell Smart Grid Solutions   | Steve           | Varnum                | Energy Efficiency Program Consultant    |           |
| (HSGS)   |                 |                       | 7 2                                     |           |
| Richard Danks Consulting   | Richard         | Danks                 | Other Stakeholder                       | P         |
| SDG&E (San Diego Gas and Electric  |                 |                       |   | 1         |
| SDUCE (Sail Diego Gas allu Electric  | Robert          | Nacke                 | California IOU                          |           |
|  | Robert          | Nacke                 | California IOU                          |           |
| Company)   | Robert  Bruce   | Nacke<br>Baccei       |   |           |
|  |                 |                       | California IOU  Publicly Owned Utility  |           |
| Company) SMUD (Sacramento Municipal Utility District)                                  |                 | Baccei                |   |           |
| Company) SMUD (Sacramento Municipal Utility District) SCE (Southern California Edison) | Bruce           |                       | Publicly Owned Utility  California IOU  |           |
| Company) SMUD (Sacramento Municipal Utility District)                                  | Bruce<br>Andres | Baccei<br>Fergadiotti | Publicly Owned Utility                  |           |

Roll Call



| XCSpec                                 | Jeff      | Aalfs                                   | Controls (Manufacturer of Distributor) |          |
|--|-----------|---|--|----------|
| XCSpec                                 | Janet     | Peterson                                | Controls (Manufacturer of Distributor) | P        |
| Acspec                                 | Janet     | reterson                                | Controls (Manufacturer of Distributor) | Г        |
|  | WHPA Goal | 2: COM Comm                             | nittee Invited Guests and Staff R      | oll Call |
| Adrienne Thomle, Consulting **         | Adrienne  | Thomle +                                | littlee filvited Guesis and Staff R    | on Can   |
| AHRI                                   | Garrett   | McGuire                                 | HVAC Manufacturer Association          |          |
|  |           |   | HVAC Manufacturer  HVAC Manufacturer   |          |
| AirTest Technologies                   | Mike      | Schell                                  |  |          |
| American Commissioning Group           | Craig     | Hofferber                               | Third Party Quality Assurance Provider |          |
| AMS (American Mechanical Services)     | Marc      | Pickett                                 | Contractor (Nonresidential)            |          |
| California Public Utilities Commission | Carmen    | Best                                    | California PUC                         |          |
| (CPUC) - Energy Division               |           |   |  |          |
| California Public Utilities Commission | Pete      | Skala+                                  | California PUC                         |          |
| (CPUC) - Energy Division               |           |   |  |          |
| CLEAResult                             | Richard   | Waite                                   | Energy Efficiency Program Consultant   |          |
| Galawish & Associates                  | Elsia     | Galawish                                | Energy Efficiency Program Consultant   |          |
| ICF (ICF International)                | James     | Jackson                                 | Energy Efficiency Program Consultant   |          |
| Mark Cherniack Emeritus                | Mark      | Cherniack                               | Emeritus                               |          |
| NADCA (National Air Duct Cleaners      | Dan       | Stradford                               | Contractor Association                 | P        |
| Association)                           |           |   |  |          |
| NCI (National Comfort Institute)       | Rob       | Falke                                   | Educator / Trainer                     |          |
| Pax-Sun Engineering, Inc.              | Tom       | Paxson                                  | Other Stakeholder                      |          |
| PG&E (Pacific Gas and Electric         | Robert    | Davis                                   | California IOU                         |          |
| Company)                               |           |   |  | P        |
| PG&E (Pacific Gas and Electric         | Christian | Weber +                                 | California IOU                         | P        |
| Company)                               |           | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |  | -        |
| SCE (Southern California Edison)       | Andres    | Fergadiotti+                            | California IOU                         |          |
| SCE (Southern California Edison)       | Sean      | Gouw                                    | California IOU                         |          |
| ServTEC Air Conditioning               | George    | Rodriguez                               | Contractor (Nonresidential)            |          |
| UC Davis Energy Efficiency Center      | Kristin   | Heinemeier                              | Research Organization                  |          |
| STAFF                                  | TKIISTIII | Tiememeier                              | Research Organization                  |          |
| BBI (Better Buildings Inc.)            | Mark      | Lowry                                   | WHPA Executive Advisor/BBI COO         |          |
| BNB Consulting/WHPA Staff, host,       | Bob       | Sundberg                                | WHPA Staff                             | P        |
| admin. support & scribe                |           | Samusong                                |  | •        |
| CLEAResult                             | Paul      | Kyllo+                                  | WHPA Senior Advisor                    |          |
| Enpowered LLC                          | Shea      | Dibble                                  | WHPA Co-Director                       |          |
| Lipoweicu LLC                          | Silca     | Diooic                                  | WIII A CO-DIICCIOI                     |          |
|  |           |   |  |          |

<sup>\*\*</sup> Organization is Not a Member of the WHPA; + Individual is NOT Registered with the WHPA;

(P) after last name = Member/Registrant is Pending Approval from the WHPA Executive Committee



| AGENDA |
|--------|
|--------|

| Topic  | Discussion Leader                                      | Desired Outcome  |
|--|--|--|
| Welcome, roll call, review agenda, approve past meeting minutes and ACTION items | Don Langston and<br>Bob Sundberg/staff                 | Record meeting attendees, finalize past meeting minutes, review status of meeting action items.                            |
| Welcome new members & guests, review new candidates                              | Don Langston and<br>Bob Sundberg/staff                 | New members and invited guests welcomed. Decision made on suggested revisions to candidate options and the review process. |
| NEWS – Regulatory and<br>Legislative Updates                                     | Don Langston, CPUC/ED,<br>CEC & IOU<br>Representatives | HVAC3 Net-to-Gross evaluation report. Keep members informed of recent announcements and important events                   |
| CQM Program Updates<br>SCE/PG&E/SDG&E  | Gretchen Egging,<br>Shayne Holderby,<br>Jeremy Reefe   | Gain a current understanding of IOU CQM program status, progress, developments and issues.                                 |
| CQM STD 180 User<br>Guide WG Update  | Dale Rossi   | Members updated on WG status and progress of draft work product and Value Proposition Matrix                               |
| 2016 Goal #2 Working<br>Session  | Don Langston   | Share goals and milestones submitted to Executive<br>Committee for approval  |
| Review meeting Action<br>Items, set next meeting<br>date/time, adjourn           | Don Langston   | Set next meeting date and confirm time.  |

#### **Approve Minutes of Previous Meeting**

The August 9 meeting draft notes were distributed August 14. Approved meeting notes would be finalized and posted to the CQM Committee site.

#### **Review Status of Action Items from Previous Meeting**

#### PAST ACTION ITEMS:

September 2015 ACTION: Scott Higa, SCE, would report progress on the testimonials and access to and analysis of customer energy data at the next monthly meeting. Ongoing.

#### Welcome New Members and Guests; Consider Pending Members

None.

#### **New Business - Don Langston & IOU Representatives**

None.

# NEWS Updates -Regulatory and Legislative - Don Langston, CPUC/ED, CEC & IOU Representatives

• HVAC3 2013 & 2014 Commercial Quality Maintenance Programs Net-to-Gross Evaluation report and request for public comments (party to the proceedings – organizations). Link distributed by staff and eBlast email notice sent out to all WHPA members by staff.

Jan Peterson, XCSpec, said that the study had come up for discussion the previous day at the FDD Committee meeting. She'd reviewed the study and from its conclusions, it would be hard to consider the commercial maintenance related programs cost-effective with the low return on investments the evaluation had calculated. The study was evaluating the 2013-2014 timeframe for commercial maintenance programs. FDD Committee members had concluded that



equipment upgrades and repairs seemed to provide a better ROI than CQM program maintenance, according to the study. They'd discussed whether there was a way to respond back to the CPUC about what they believed to be greater results from quality maintenance.

Norm Stone, Clean Energy Horizons, clarified that the purpose of the net-to-gross study was attempting to determine what would have been the case in the absence of any program compared to those who participated in the program who would not otherwise had done so. The study tried to weed out "free riders" or those who would have done this practice anyway in the absence of any program. He added that he'd believed, personally, that there were major flaws in how this study was conducted. The study did not look at what he termed "a true group of non-participants" for a valid comparison. The reason given for not comparing study participants to non-participants was that it was too expensive to locate a valid control group outside the program to see what regular maintenance practices were.

Don Langston, Aire Rite AC and Refrigeration, added that another shortcoming was that evaluation was only scoring a small number of energy efficiency measures from the program, not the impact of all of the practices and requirements. Just the items identified in the program claimed savings work paper. He thought that it was a kind of self-fulfilling prophecy for what results would be.

Jan Peterson asked what could be done. Could the committee provide public comments?

Bob Sundberg, WHPA staff, clarified that the WHPA, its committees and working groups were not eligible to comment since the WHPA was itself supported as a program by the IOUs. But, any individual member organizations as well as those not registered with the WHPA were eligible to become parties to the proceedings and formally comment on the study.

Norm Stone added that the study was also flawed in the way it designed survey questions. The questions were very subjective in nature and there was no way to validate the answers given from the softball questions asked. Contractors were asked to comment on their previous maintenance delivery practices compared to those required under the program. Of course most contractors would say they'd always maintained equipment that way. Otherwise, their responses would have been self-incriminating. It would have been like asking contractors a leading question whether they always pulled permits for new equipment installation. They'd answer, yes. These were his personal opinions. He encouraged others to read the study, look at the points he'd addressed regarding the subjective nature of the survey questions and the comparison not including non-participants and provide the CPUC with their comments.

Don Langston encouraged anyone who could do so to provide their company or organization's comments. Unfortunately, under the current method for scoring savings, very little of the impact from better maintenance was getting credit for savings which was being delivered by improved maintenance practices and as a result of system corrections uncovered during maintenance inspections. The CPUC needed to hear that their current scoring system was flawed. That was why Don was an advocate for using the building smart meters as a new basis for determining energy use and savings. The impact of a whole series of maintenance practices and energy efficiency measures.

#### **IOU CQM Program Updates**

# SCE CQM program summary (Gretchen Egging of CLEAResult):

Gretchen Egging, CLEAResult, was unable to attend. Paul Kyllo provided the monthly update.

Paul indicated that the program had shown good, steady progress. As their update showed in the bottom two lines, the kWh and kW savings had tracked very well against goals, actually ahead. More and more people were chosing to join which indicated healthy participation.



Don Langston commented on the update line regarding economizers. He'd recently started working with a new client and noticed that two newly installed units did not have economizers at all even though they were required under Title 24. This made him think of the CPUC/ED energy efficiency measure assumption, he believed was false, that every installation was "to code." Every commercial HVAC equipment installation met the requirement that it must have an economizer installed. The reality was that not every installation was "to code" because only a small fraction of installations even had permits pulled for the required inspections. The SCE report indicated that 59% of units in the program had economizers. You'd have thought that if the CPUC/ED assumption was even close to being valid, that % would be much higher, nearer 100%,

Paul Kyllo offered to check with the implementation team to see what sort of correlation there might be with units with economizers and the age of the units or of the building itself.

# SCE CQM HVAC – August

|   | Aug-16    | 2016 YTD  |  |  |
|---|-----------|-----------|--|--|
| New contractors   | 1         | 5         |  |  |
| New customers -   | 9         | 53        |  |  |
| application received  | 9         | 33        |  |  |
| New buildings – check cut   | 9         | 139       |  |  |
| % of units w/ economizers   | 55%       | 59%       |  |  |
| New tonnage – check cut   | 2,438     | 14,777    |  |  |
| Units w/ CSA – check cut  | 529       | 1947      |  |  |
| Units w/ DCV/VFD – check cut  | 93        | 783       |  |  |
| Units w/ ADEC w/ CSA –<br>check cut*  | 227       | 1051      |  |  |
| kWh – check cut   | 1,424,433 | 9,364,724 |  |  |
| kW – check cut  | 582       | 3,606     |  |  |
| *does not count units with ADEC pre-existing at CSA or units where ADEC is installed at DCV |           |           |  |  |

Don thought that that information might be very telling. The evaluators who had just completed the HVAC3 CQM related programs Net-to-Gross study had used some of these "assumptions" rather than reality in their program effectiveness calculations. And, he believed a lot of those foundational assumptions were wrong, indicated by the SCE report itself for more progressive clients who'd chosen to participate in the CQM program. From his experience, the 59% ratio sounded about right. But, those newly installed commercial units he'd just seen didn't have economizers installed which would have been a code requirement, if permitted and inspected. The installing contractor, obviously, had not followed code requirements.

Paul Kyllo commented that there was a lot of data that could be compiled from the SCE, PG&E and SDG&E programs for client units entering the programs. H was unsure that the CPUC program evaluators even considered that information to determine a typical profile for their baseline calculations.



# PG&E CQM Program Summary (Jeanne Duvall of PG&E & Shayne Holderby of HSGS)

Shayne Holderby was unable to attend but would provide the update after the August meeting to be included in the meeting draft notes. Steve Varnum, HSGS commented that participation seemed to be steadily increasing except during this summer "emergency AC season" which always was slower for program growth. Christian Weber attended for Jeanne Duvall but didn't have any of the program numbers prepared.

#### SDG&E CQM Program Update

No report.

Paul Kyllo, CLEAResult, knew that the SDG&E program, which his firm implemented, was slow in launching for 2016 and just got started in May so there was probably little to report yet. Paul intended to talk with Jeremy Reefe to see how he wanted program reporting to be handled in 2016.

### CQM STD 180 User Guide Working Group Update – Dale Rossi

Dale Rossi, FDSI and WG Chair, was unable to attend. Bob Sundberg, staff support for the WG, updated the committee on WG progress.

The group had elected to research five topics and decided to focus on #4 in 2016 and #5 as time permitted:

- 1. Understanding performance objectives and condition indicators
- 2. Making a maintenance plan
- 3. Investigating unacceptable conditions and performance
- 4. Communicating the value proposition
- 5. Customer facing reporting

Bob Sundberg, WHPA staff support for this WG, indicated that the group had now completed a brief examination of four of the five elected topics related to Standard 180, especially the program implementation Section #4. They'd focused most of their efforts on topic #4, communicating the value proposition. The results had been collected in a Value Proposition Matrix which had been shared at the August meeting. The final two WG meetings would be used to revise, refine and finalize their work product. It hadn't been determined yet whether that work product would be a finalized matrix with and introductory document or whether the information in the matrix would be provided in a text document with several tables. The next meeting was scheduled for September 22. The final meeting date hadn't yet been determined.



#### **CQM Committee Goal #2 Defining Performance Objectives – Don Langston**

Committee/Working Group: CQM Committee page 3 of 5

| Translate into Customer Value Propositions. This would be captured in a matrix posted to the WHPA website by December 31, 2016. |   |                                    |                   |   |  |
|---|---|------------------------------------|-------------------|---|--|
| Milestone   | Owner   | Deliverable                        | Due Date          | Dependencies  |  |
| Define Key Performance     Objectives for Commercial     Maintenance  | Chair and<br>Committee<br>Members                 | Key Performance<br>Objectives      | June 30, 2016     | Availability of Chairs and<br>Committee Members                 |  |
| Define Customer Value     Proposition(s) for Each Identified     Performance Objective  | Chair and<br>Committee<br>Members                 | Customer Value<br>Propositions     | August 31, 2016   | Availability of Chairs and<br>Committee Members                 |  |
| 3. Finalize Draft of Matrix   | Chair,<br>Committee<br>Members, and<br>WHPA Staff | Draft of Matrix                    | October 31, 2016  | Availability of Chairs,<br>Committee Members, and<br>WHPA Staff |  |
| Committee Approves Matrix   | Chair and<br>Committee<br>Members                 | Committee-Approved<br>Matrix       | October 31, 2016  | Availability of Chairs and<br>Committee Members                 |  |
| 5. EC Approves Matrix   | EC, Chair and<br>WHPA Staff                       | EC-Approved Matrix                 | November 30, 2016 | Availability of Chairs and<br>Committee Members                 |  |
|   |   |                                    |                   | Time on Nov EC Meeting<br>Agenda                                |  |
| 6. Matrix Posted to WHPA Website  | WHPA Staff  | Document posted to<br>WHPA Website | December 31, 2016 | WHPA Staff Availability   |  |

- The primary task and work product output of this committee would be a table/matrix which included definitions for key Standard 180 based maintenance performance objectives and
- the translation of these objectives into customer value propositions.

Bob Sundberg, WHPA staff, had compiled customer interview questions from the July and August full committee meetings. The customer meeting questions were intended to uncover customer points of pain regarding the facility and HVAC system operation as well as their current maintenance program objectives and evaluation criteria. Questions which could get a dialogue started about comfort conditions, system reliability, current maintenance program practices, goals and evaluation as well as energy and operations costs. Bob shared the list online for attendees.

Don Langston referred back to comments made by Norm Stone earlier about the need for program evaluation to have a "control group" for comparison. The control group being made up of facilities not participating in a QM program to determine the kinds of maintenance programs and practices which were the marketplace baseline.

Don indicated that many of the questions in the initial list were ones he'd used with new clients to find out about what they'd budgeted for maintenance, what the approach addressed, to touch on energy and other operational and capital costs and to see if they could look at the bigger picture beyond just a bid price. He solicited additional questions which would go beyond openers about how comfortable the occupied space was and energy costs.

Bob Sundberg, WHPA staff, suggested they consider organizing the random list of questions into groups roughly organized by some overriding general performance or maintenance program objective like energy use/savings, HVAC operational costs, staff efficiency or occupant/space comfort. He wondered whether that would help in organizing the final work product matrix with performance objectives grouped in rows and adding columns to identify a value proposition statement for each.



Don Langston agreed that the questions could be clustered around common themes or energy/energy efficiency related, operating efficiency related, reliability related and comfort for a start. Then for each to list a deliverable or outcome for the customer that would be the individual value proposition statement. Most customers he'd met thought they had an adequate maintenance program from their perspective but didn't really understand how well or poorly systems were running or some benefits that a more comprehensive approach could provide. Most were really more focused on a final cost and not what that expense did or didn't provide them.

Don offered that he had a new client and a scheduled meeting to discuss their maintenance program with them later that day. He offered to re-organize the list of questions and conduct that meeting as sort of a "voice of the customer" interview. He'd try to see how this customer would rank the issues or goals and get a copy of the grouped questions to Bob Sundberg to distribute to all committee members

ACTION: Don Langston would re-organize the existing list of interview questions to use in a client maintenance program discussion later that day. He'd provide that grouped list to Bob Sundberg for distribution to the committee.

Richard Danks, Richard Danks Consulting, commented that, to address Don's dilemma, he'd had some suggest using human health car and regular car and race car analogies. He also suggested they "tweak the "lens" through which the questions were being offered to include defining what the customer considered a failure was, they could create a foundation for the discussion. He considered a failure for an HVAC asset to be when the asset didn't meet its original intent. That intent could be performance, reliability, thermal comfort etc. Find out how the customer currently considers failure as a starting place. That foundation discussion would help establish the overall intent of the maintenance program being to minimize or avoid those kinds of failures. Systems and their interactions as well as the myriad of maintenance tasks could become very complex and confusing. He thought it was very important to keep the pitch and discussion grounded on a couple of very simple, basic points.

- NASCAR model pit crews performed their maintenance in the absolute minimal amount of time to get their car back into the race as near the front as possible. The driver was analogous to the building owner or operator who had very specific, higher level goals which depended upon what the pit crew performed. HVAC maintenance would be positioned to support that owner's higher goals. You needed to find out what those really are and work back to building maintenance.
- Human health care again, HVAC maintenance was necessary for effective delivery of all those health care services.

Don Langston thanked Richard for the suggested framework which he'd try to include in his client discussion later that day. All of the discussed questions were really focused on whether that client had any skin in the game.

Don suggested a series of groupings for the questions for the first matrix column. In rows to cover:

- Customer pain points that was where he thought the discussions needed to start.
- What did the client have currently for maintenance program or HVAC goals?
- How could they move forward?
- How they could measure and track each of those goals
- What they were spending on repair and maintenance costs?
- Finance related questions
  - o What was being spent and budgeted for HVAC capital expenditures?
  - What were they spending on building energy? They then need assistance to determine the HVAC portion of that total energy spend and what priority could be put on it as a result.

For each of the goals, what could be recommended to address that pain, issue or concern in the additional columns.



Don asked Jan Peterson, XCSpec, what kinds of things she could recommend concerning economizer systems, mostly unseen and unknown to building owners, that would make the "unseen" now "seen." What talking points could she recommend that could be added to the matrix?

Jan Peterson, XCSpec, responded that it seemed that just about all of the larger goals came down to the financial pain or gain. She suggested asking customers, what was the cost of doing nothing or nearly nothing? That broken RTU damper operation was really costing them in energy as well as, probably, occupant comfort and satisfaction. She suggested getting the focus down to financial terms, not just energy or another goal statement. She also offered to help Don work on the committee's work product, help revise and edit it going forward.

Norm Stone also suggested a practice he'd done earlier in his career. They'd conducted energy load balance analysis when just tackling a building project. Determining just where all of the building energy use occurred and what part of it was attributable to HVAC. Owners would normally be surprised at how much of it was HVAC related. And, what the improvements in efficiency and operations could do to that large portion of the energy spend, HVAC often being around 40 %. For supermarkets and restaurants that could mean a dollar more of profit for every dollar in energy cost saved – 100% of the investment delivered to the bottom line. You needed to first of all get their attention before addressing any specific energy efficiency measures or major changes in approach to maintenance. For businesses, you really did have to make that financial connection as had been said before. Businesses were in the business of making money, after all.

### IOU Business Development Planning Process & recent CPUC/ED Guidance – IOU Representatives

No discussion.

#### California Legislative Assembly Bill 802 & Senate Bill 350

No discussion.

#### **Closing Comments/Adjournment**

Don Langston suggested the next meeting be held Tuesday October 11 and asked Bob Sundberg to send out a meeting notice.

Don Langston suggested he meet with Jan Peterson and Bob Sundberg after his client meeting to help Jan get started building a Performance Objectives to Client Value Propositions matrix.

Next meeting tentative agenda items:

- ADMIN
  - New business
  - o Industry/IOU/Regulator News
  - o Check on SCE report of program customer energy usage and analysis and
  - o IOU business plan development committee/individual involvement and committee input update
- IOU program monthly updates
- CQM User Guide Working Group update Value Proposition Matrix
- Working Session
- Confirm next meeting date/time, ACTION items, agenda, adjourn

The meeting was formally adjourned at 11:03 am PDT.

\* \* \* \* \*



# **Summary of NEW Action Items and Key Decisions**

September 2016 ACTION: Don Langston would re-organize the existing list of interview questions to use in a client maintenance program discussion later that day. He'd provide that grouped list to Bob Sundberg for distribution to the committee.

# **PAST ACTION ITEMS:**

September 2015 ACTION: Scott Higa, SCE, would report progress on the testimonials and access to and analysis of customer energy data at the next monthly meeting. Ongoing.