



California Technical Forum (CAL TF)

September 20, 2013

DRAFT for DISCUSSION PURPOSES

Executive Summary: CAL TF Work

- The California Technical Forum (CAL TF) will be a collaborative of technical experts who use independent professional judgment and a transparent, technically rigorous process to develop and review energy savings and other measure parameters (such as measure costs, expected useful lives) and other technical information related to the California energy efficiency portfolio, including:
 - ❑ Workpapers (non-DEER measures)
 - ❑ Technical Guidelines, forms, templates, protocols to support measure development and updates
 - ❑ Database: Well-organized, easily searchable database so that technical information, including documentation and decision-making, is easily accessible and understood
 - ❑ Other technical information needed to support California's energy efficiency portfolios e.g. peer review of DEER Update

Executive Summary: Modeled on NW RTF

- The California Technical Forum (CAL TF) will be modeled on the successful and well-regarded Pacific Northwest Regional Technical Forum (NW RTF) that has achieved:
 - ❑ Written, agreed-upon, consistent guidelines for determining energy savings and other measure parameters
 - ❑ Timely and credible savings values and other measure parameters
 - ❑ Technically rigorous and well-documented values
 - ❑ Transparency regarding how values were developed
 - ❑ Effective peer review of technical information
 - ❑ Easily searchable and understandable database of measure savings and other measure parameters, plus readily accessible, public documentation and records of the decision-making that led to the values
 - ❑ Consistent values used by utilities (160+) in four Northwestern states

Executive Summary: Guiding Principles

- Technical Rigor
- Consistent Statewide Values
- Independence – Unbiased
- Transparency
- Collaborative
- Effective Peer Review
- Timely Results
- Efficient, including Cost-Efficient
- Reduce Complexity, especially where greater complexity and precision does not lead to greater accuracy
- National Model for *Ex Ante* values
- Opportunity for Regional Collaboration

Executive Summary: Overview

- **NW RTF:** Key Attributes of the NW RTF
 - ❑ Formation
 - ❑ Budget
 - ❑ Structure
 - Members, Responsibilities, Voting

- **CAL TF:** Proposed California Technical Forum
 - ❑ Structure
 - Members, Responsibilities, Voting
 - ❑ Managing Conflicts of Interest
 - ❑ Status and Timeline for Establishing the CAL TF

- **Coalition-Building:** Building Stakeholder Support for the CAL TF
 - ❑ Exploratory Committee
 - ❑ Broader Coalition

NW RTF: Formation, Budget, Structure

▪ Formation

- ❑ Congress charged Bonneville Power Administration & Northwest Power Planning Council to establish and administer the Regional Technical Forum

▪ Budget

- ❑ The annual NW RTF budget is: **\$1.8 million dollars**
- ❑ The budget is largely used to fund the RTF Administrator staff and website

▪ Structure

- ❑ **NW RTF Policy Advisory Committee (RTF PAC)**
 - Largely RTF funders
 - Directs RTF work
- ❑ **NW RTF Members**
 - 30 technical experts, largely volunteer; help develop and approve RTF work – measure parameters, templates/forms, guidelines
- ❑ **RTF Administrator**
 - Performs and ensures RTF work is completed consistent with RTF Member-adopted guidelines
 - RTF Administrator Staff include: Chair (1); Technical Staff (up to 7); Admin/Mgmt Staff (up to 3 FTE)

NW RTF: Responsibilities and Decision-Making

- **RTF Charter, Bylaws and Conflicts Policy**

- Approved by RTF PAC

- **RTF Work Plan**

- 3-Year Business Plan/budget and annual Work Plans/budget updates developed by RTF Administrator staff and approved by RTF PAC. The Business Plan identifies the protocols and savings values that will be updated each year.

- **RTF Work**

- RTF Administrator staff work with RTF Members to collaboratively develop energy savings values and other measure parameters, forms/templates and guidelines.
 - RTF Members review measure workpapers and support
 - Concerns addressed from start rather than *ex poste*
 - All deliberations are public, well-documented and consistent with RTF Member-adopted guidelines
 - All stakeholders may publically comment on workpapers to enhance quality of proposal
 - RTF Members vote on and endorse use of workpaper results to avoid future issues around savings estimates and other measure parameters

- **Voting: 40% quorum; 60% approval**

California TF: Proposed Structure and Voting

▪ CAL TF Policy Advisory Committee (CAL TF PAC)

- ❑ IOU funders of TF (4 positions)
- ❑ Representatives of Public Utility funders of TF (2 positions - 1 each representing Northern and Southern Public Utilities)
- ❑ Environmental Advocate (1 position) (e.g. NRDC)
- ❑ Program Implementer Representatives (2 positions – Efficiency Council, NAESCO)
- ❑ Ratepayer Advocate (1 position – TURN, DRA)
- ❑ Regulators (3 positions – CPUC- Commissioner and Staff-level (2), CEC) – non-voting, *ex officio*
- ❑ System Operator (1 position – Cal ISO)

▪ Responsibilities:

- ❑ Approves TF Charter, Bylaws, Conflicts Policy
- ❑ Approves Business Plan and budget, annual Work Plan and budget updates
- ❑ Quarterly, reviews progress towards goals
- ❑ Approves TF members and TF Chair/Administrator
- ❑ Funds TF

▪ **Voting:** 40% for quorum; 60% to approve matters before PAC.

- ❑ Note: Yellow bullet indicates difference from NW RTF

California TF Members: Proposed Members, Voting, Responsibilities

▪ **Members**

- ❑ Approximately 30 members based on RFQ process
- ❑ Membership represents fair balance in terms of technical expertise, sector experience, technology focus, policy experience and institutional experience
- ❑ *Ex Officio* voting members to include ACEEE, CEE, DOE, LBNL, other experts
- ❑ Members selected and approved by PAC; no more than 14 IOU members
- ❑ ED Staff, consultants and EM&V to participate in process so ED staff, consultant and EM&V perspective and data fully addressed through TF process

▪ **Responsibilities:** Participate in development and approval of:

- ❑ Workpapers
- ❑ Guidelines, forms, and other documents related to measure development.
 - Guidelines for Assessment of Energy Efficiency Measures, Energy Savings, Measure Lifetime, NTG Ratios.
- ❑ Database – Well-organized, easily searchable database of technical information
- ❑ Other technical duties related to EE programs

▪ **Voting:** 40% for quorum; 60% to approve matters for vote

CAL TF: Proposed TF Chair/Administrator and Responsibilities

▪ CAL TF Chair/Administrator

- Experience: At least 10 years' EE experience; 5 years' experience with collaboratives; technical degree, preferably graduate; experience with energy efficiency Technical Reference Manual development (energy savings values document)
- May not administer, implement or evaluate EE programs in CA

▪ CAL TF Staff

- Hired and managed by the CAL TF Chair
- Up to seven technical staff
- Up to three FTE Management/Admin staff (website, meeting minutes, stakeholder communication, budget management, etc.)

▪ CAL TF Responsibilities

- Draft for PAC review and approval: TF Charter, TF Bylaws, TF Conflicts Policy, TF Business Plan and budget, annual Work Plan and budget
- Draft for TF review and approval: measure workbook format, guidelines for the assessment of measures (including savings, costs, net-to-gross, expected useful life)
- Lead in collaboratively developing, for TF review and approval, measures in the approved measure workbook format, consistent with the guidelines for the assessment of measures

Managing Conflicts of Interest

▪ NW RTF Conflicts Policy

- NW RTF has conflicts policy which allows utility staff to be RTF members and vote as long as no direct financial interest in outcome of vote

▪ Proposed CAL TF Conflicts Policy

- TF Administrator: The TF Chair and Administrator may not be a California energy efficiency Program Administrator, Implementer or Evaluator
- No Vote if Financial Interest in Outcome: TF Members may not vote on matters in which they have direct financial interest
- Ex Officio* members to provide national, independent perspective (ACEEE, CEE, DOE, LBNL, others)
- Measures Submitted to CPUC for Approval: All workpapers, measures and technical guidelines approved by TF Members submitted to the CPUC
- Code of Independence pledge by TF members and Chair/Staff
- Majority of TF members non-IOUs

Cal TF: Other Areas for Discussion

- Cal TF Work
 - ❑ DEER Updates – Provide peer review of 2014 and subsequent updates
 - ❑ Update agreed-upon “standard practice” and baselines for various markets/measures
 - ❑ Reduce measure complexity
 - ❑ Harmonize common measure IDs
 - ❑ Update process and timeline for custom measure review
 - ❑ Update standard EM&V processes, protocols, and timelines

Status and Timeline for Establishing the CAL TF

- **July 2013:**
 - Exploratory Committee meetings
- **August 2013**
 - Continued Exploratory Committee meetings and Broader coalition meetings
 - Draft “Strawman” CAL TF Charter, Bylaws, Conflicts Policy, initial Business Plan and Budget.
- **September 2013**
 - Finalize Exploratory Committee meetings
 - Develop consensus and stakeholder support for Cal TF model and proposal developed through stakeholder input
 - Seek ED support for proposed 2014 Cal TF 2014 tasks based on stakeholder input
 - Develop and circulate Advice Letter for Cal TF funding effective January 1, 2014
- **October - November 2013**
 - Refine and continue building support for proposal and key Cal TF documents.
 - Identify and brief PAC members
- **December 2013: “Stand-Up RTF”**
 - Initial PAC meeting
- **2014: Pilot Cal TF – Proof of Concept**
- **2015 and Beyond: Refine and Integrate Cal TF into 10-Year “Rolling Cycle”**

Building Stakeholder Support

- Exploratory Committee
 - ❑ IOUs – PG&E, SCE, SCG, SDG&E
 - ❑ Public Utilities – SMUD, NCPA, CMUA, LADWP, SCAPPA
 - ❑ Program Implementers – Efficiency Counsel, NAESCO
 - ❑ Regulators – CPUC Commissioners, Advisors and Staff; CEC
 - ❑ System Operator – Cal ISO
 - ❑ Local Government Representatives – LGC, RENs, CCA
 - ❑ Ratepayer Representatives – TURN and DRA
 - ❑ Environmental Representatives – NRDC

- Broader Support: Experts and Others
 - ❑ National Labs (LBNL, NREL), US Department of Energy (DOE), California Universities (Davis, Stanford, Cal), Gas Technology Institute, ACEEE, CEE, CCAs, Water Districts, ASHRAE, Water irrigation districts

Appendix

- NW RTF Members

Current 30 RTF Voting Members: Diverse & Technically Knowledgeable

Name	Affiliation	Name	Affiliation
1. Brad Acker	University of Idaho, Integrated Design Lab	16. Erin Hope	Bonneville Power Administration
2. Rich Arneson	Tacoma Power	17. Mark Jerome	Fluid Market Strategies
3. Andie Baker	Independent	18. Don Jones, Jr.	PacifiCorp
4. John Bogert	OPALCO Board	19. Ken Keating	Independent
5. David Bopp	Flathead Electric	20. Greg Kelleher	Eugene Water and Electric Board
6. Eric Brateng	Puget Sound Energy	21. Rick Knori	Lower Valley Energy
7. Wade Carey	Central Lincoln PUD	22. Bill Koran	NorthWrite
8. Bob Davis	Ecotope	23. Tom Lienhard	Avista
9. Tom Eckman (RTF Chairman)	Northwest Power and Conservation Council	24. Jim Maunder	Ravalli Electric Cooperative
10. Michele Friedrich	Oregon Department of Energy	25. Peter Miller	Natural Resources Defense Council
11. Lauren Gage	Bonneville Power Administration	26. Graham Parker	Pacific Northwest National Laboratory
12. Danielle Gidding	Bonneville Power Administration	27. Kerstin Rock	PECI
13. Charles Grist, (RTF Vice Chairman)	Northwest Power and Conservation Council	28. Eugene Rosolie	Cowlitz PUD
14. Jeff Harris	Northwest Energy Efficiency Alliance	29. Paul Sklar	Energy Trust of Oregon
15. Bill Welch	Independent	30. David Thompson	Avista