



## Committee/Working Group 2015 Implementation Plan

### **Committee/Working Group: Commercial Quality Maintenance Committee (CQM)**

**Committee Description/Mission:** The mission of the committee is to: 1) Make recommendations to operationalize the ANSI/ASHRAE/ACCA Standard 180 (Quality Maintenance); 2) Work with the various industry stakeholders to raise the standard in delivering QM to end users with a goal of making the Standard 180 maintenance approach the commercial norm; 3) Recommend research to accurately determine current baseline RTU performance and the impact of CQ maintenance practices and FDD technology; 4) Seek out and help evaluate advanced technologies that contribute to improved new or existing RTU EE performance; and, 5) Provide input to IOU program approach, structure and content of program training, data collection, data entry and reporting for the purpose of program improvement.

<b>Goal #1: Define Goals and Action Plans for 2015</b>				
<b>Milestone</b>	<b>Owner</b>	<b>Deliverable</b>	<b>Due Date</b>	<b>Dependencies</b>
1. Share 2015 SMART Goals with Committee Members	WHPA Staff and Chair	Presentation	1/31/15	<ul style="list-style-type: none"> <li>Availability of Chairs and Committee Members.</li> </ul>
2. Initial 2015 Committee Planning Meetings	WHPA Staff and Chair	Insight to confirm Committee Roster and 2015 Committee Goals	1/31/15	<ul style="list-style-type: none"> <li>Availability of WHPA Staff and Chair.</li> </ul>
3. Review members of Committee	WHPA Staff	2015 Committee Roster	1/31/15	<ul style="list-style-type: none"> <li>Willingness of members to participate in Committee.</li> </ul>
4. 2015 Committee Kick-Off Meeting	WHPA Staff	Agenda and meeting minutes	1/31/15	<ul style="list-style-type: none"> <li>Availability of Chairs and Committee Members.</li> </ul>
5. Review and finalize Committee Goals for 2015	Committee Chair	Final Brief	6/1/15	<ul style="list-style-type: none"> <li>Availability of WHPA Staff and Chair</li> </ul>
6. EC Approval of Implementation Plan	EC and WHPA Staff	EC Vote	6/30/15	<ul style="list-style-type: none"> <li>Time on June EC Agenda</li> <li>Affirmative EC Vote to Adopt</li> </ul>

<b>Goal #2: Support efforts to sustain, expand, and improve STD 180 based IOU programs through: 1) Advocating to establish field measured RTU performance baselines; and, 2) Aligning program design and implementation with ED EM&amp;V program evaluation criteria and approach.</b>				
<b>Milestone</b>	<b>Owner</b>	<b>Deliverable</b>	<b>Due Date</b>	<b>Dependencies</b>
1. Develop a holistic field performance measurement protocol for the assessment of pre and post RTU conditions	Committee with support from WHPA Staff	WHPA EC-approved RTU Field Performance Measurement Protocol including simple key performance indicators to measure the performance improvements resulting from performing maintenance tasks.	Committee Approval – 9/30/15  EC Approval – 10/31/15	<ul style="list-style-type: none"> <li>• Availability of committee to work on protocol</li> <li>• Committee's ability to reach shared agreement on the elements of the protocol</li> <li>• Time on October EC Agenda</li> <li>• Affirmative EC Vote to Approve</li> </ul>
2. Advocate for CPUC/ED agreement to conduct commercial RTU <u>field performance measurement</u> to establish market baseline performance foundation.	Committee with support from WHPA Staff	Collaborate with IOU and CPUC/ED staff to define Research Roadmap projects to establish commercial RTU existing building stock typical performance levels with agreed methods of measurement.	Ongoing	<ul style="list-style-type: none"> <li>• Willingness of CPUC/ED and DEER team to devote research resources to this goal.</li> </ul>
3. Advocate for CPUC/ED acceptance and inclusion of credible industry research data.	Committee with support from WHPA Staff	Collaborate with WHPA Energy Savings and DEER Committee to work with the CPUC/ED to accept performance evaluation data from industry sources such as state or national HVAC programs, FDSI commercial RTU assessments database, NCI RTU evaluations, or similar sources, into their formulation of baseline performance for commercial RTUs	Ongoing	<ul style="list-style-type: none"> <li>• Willingness of CPUC/ED and DEER team to evaluate, accept and incorporate other research data and results into establishing a performance baseline based on actual field measured performance.</li> </ul>
4. Advocate to align CPUC/ED methods for program evaluation with IOU program contractor training and delivery of IOU STD 180 based CQM programs	Committee with support from WHPA Staff	Meetings between IOU and CPUC/ED to reach agreement over program evaluation methods for IOU STD 180 based CQM programs.	Ongoing	<ul style="list-style-type: none"> <li>• Willingness of CPUC/ED &amp; IOUs to agree upon program evaluation method(s).</li> </ul>

<b>Goal #3: Support a working group focused specifically on supporting the development of an ANSI/ACCA/ASHRAE STD 180 User Manual with the newly formed ANSI/ACCA/ASHRAE STD 180 User Manual sub-committee.</b>				
<b>Milestone</b>	<b>Owner</b>	<b>Deliverable</b>	<b>Due Date</b>	<b>Dependencies</b>
1. Establish working group	Committee Chair with support from WHPA Staff	Agreement of EC to provide WHPA Staff support to cross-committee working group	6/30/15	<ul style="list-style-type: none"> <li>• EC Agreement</li> <li>• Budget Availability</li> </ul>
2. Determine Working Group Chair	Committee Chair with support from WHPA Staff	Chair identified	6/30/15	<ul style="list-style-type: none"> <li>• Willingness for Committee member to act as Working Group Chair</li> </ul>
3. Provide direct support and collaboration in the development of the Standard 180 User Manual.	Full committee with support from WHPA Staff	Monthly agenda and meeting minutes	Ongoing	<ul style="list-style-type: none"> <li>• Availability of Committee and Working Group Members</li> </ul>

<b>Goal #4: Support a working group focused specifically to address developing improvements to STD 180 Maintenance Tables task descriptions related to rooftop units. See One Page brief for CQM STD 180 Maintenance Task Working Group.</b>				
<b>Milestone</b>	<b>Owner</b>	<b>Deliverable</b>	<b>Due Date</b>	<b>Dependencies</b>
1. Continue to support working group to operationalize STD 180 Section 5 tables.	Committee with support from WHPA Staff	Agreement of EC to provide WHPA Staff support to working group	12/31/15	<ul style="list-style-type: none"> <li>• Working group (WG) chair to volunteer and dedicated group of subject matter experts to commit until WG accomplishes its goals.</li> </ul>
2. Support development of work products	Committee with support from WHPA Staff	Committee adopted Table 5-22 and Table 5-12 reports	12/31/15	<ul style="list-style-type: none"> <li>• Working group completes reports</li> </ul>