CBECC 2022.3.1: ATTCP Related Updates

The California Building Energy Code Compliance (CBECC) software for nonresidential and multifamily buildings was updated to version 2022.3.1 on 5/3/2024. This update introduces several new features to support the state's Acceptance Test Technician Certification Provider (ATTCP) Program. Through this program, the California Energy Commission (CEC) approves providers to train, certify, and oversee Acceptance Test Technicians who perform required tests for lighting controls and mechanical systems in nonresidential and highrise multifamily buildings. These software updates are focused on addressing gaps in the reporting of nonresidential mechanical acceptance tests and associated compliance documentation required by a proposed building project. There are three items of significance with this update:

1. Updated rules for triggering Nonresidential Certificates of Compliance.

2. Added tooltips in the CBECC user interface to help guide users on the applicable Energy Code requirements for Nonresidential Certificates of Compliance.

3. Updated Nonresidential Certificate of Compliance performance report (NRCC-PRF-E), Table M to include names of HVAC and Ventilation systems triggering acceptance tests, which is of significance to the ATTCP and Acceptance Test Technicians.

The NRCC-PRF-E is generated from a compliance simulation run using the CBECC software for a nonresidential or multifamily building. The new CBECC 3.1 NRCC-PRF-E, Table M report identifies the HVAC and Ventilation systems associated with the acceptance test as shown in Figure 1.

Figure 1: Certificate of Compliance NRCC-PRF-E including the names of HVAC systems applicable to the NRCA form.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD	NRCC-PRF-E
Nonresidential Performance Compliance Method	(Page 18 of 20)

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component	Form/Title & System Name(s)
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap OfcSml_DOAS_Sys
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC OfcSml_DOAS_Sys, Perim_3_PTHP and Perim_4_PTAC.
Mechanical	NRCA-MCH-07-A Supply Fan Variable Flow Controls Perim_1_WSHP
Mechanical	NRCA-MCH-08-A Valve Leakage Test OfcSml ChWSystem
Mechanical	NRCA-MCH-10-A Hydronic System Variable Flow Controls OfcSml ChWSystem and OfcSml CWSystem.
Mechanical	NRCA-MCH-11-A Automatic Demand Shed Controls OfcSml CWSystem
Mechanical	NRCA-MCH-17-A Condenser Water Temperature Reset Controls OfcSml CWSystem
Mechanical	NRCA-MCH-18-A Energy Management Control Systems VRFSystem

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Please note that this report can only be generated with either CBECC 2022.3.1 or a CEC approved third-party compliance software based on this version (software approved 5/3/2024 or later). If a report is received missing the NRCC-PRF-E, Table M, the modeler must re-run the nonresidential or high-rise multifamily project using updated compliance software (software approved 5/3/2024 or later) and re-print the performance report.

More information on approved compliance software is located on the 2022 Energy Code Compliance Software Webpage (https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-1).

For more information on this release and CBECC support please reach out to CBECC@Energy.CA.Gov. For information not related to CBECC but instead related to ATTCP in general please reach out to SCO@Energy.CA.Gov.