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Heat Pump Working Group
Biweekly meeting agenda
Date: 05/07/2024 @ 11:00 CDT

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Access	PUC – Interchange Filing: Case 56510 Interchange - Documents (texas.gov) Teams site: https://tetratechinc.sharepoint.com/:f:/r/teams/PUCTHeatPumpWorkinggroup/Shared%20Documents/General?csf=1&web=1&e=mCHkEh
Barriers (Review)	Residential Measure 2.2.2 (Review) ◦ Load Calculations (Manual J & S) ◦ Consumption hours ◦ Right sizing calculations (limitations to different capacities) ◦ Winter savings for gas heat replacement – Baseline as std. heat pump ◦ Winter savings for HP replacement – Pre and post are both equal amount of supplemental heat (77%) ◦ Current ID of VSHP is based on SEER being greater than 15.2 ◦ VSHP do not have the mismatched equipment concern seen with units a few years ago. ◦ New Construction baseline = 115% of summer load ◦ Summer and Winter Peak Coincident demand factors need to adjust based on summer peak capacity and winter supplemental heat. ◦ EFLH is multiplied times SEER/HSPF to determine consumption. ◦ EUL is 15 years for heat pumps. Commercial Measure 2.2.2
Opportunities	**Schedule** ○ May 7: Identification of VSHP, Load Calculation requirements, Consumption calculation (EFLH), EUL ○ May 21: Summer Peak & Sizing ○ June 4: Winter Peak & Sizing ○ June 18: Baseline Equipment and Right sizing calculation ○ July 02: Envelope incorporation ○ July 16: Draft measure **May 7** • Identification of VSHP for measure • Load Calculation requirements • Consumption calculation (EFLH),

$$Cooling\ Energy\ Savings\ [kWh_C] = \left(\frac{Cap_{C,pre}}{\eta_{baseline,C}} - \frac{Cap_{C,post}}{\eta_{installed,C}}\right) \times EFLH_C \times \frac{1\ kW}{1,000\ W}$$

$$Heating\ Energy\ Savings\ [kWh_H] = \left(\frac{Cap_{H,pre}}{\eta_{baseline,H}} - \frac{Cap_{H,post}}{\eta_{installed,H}}\right) \times EFLH_H \times \frac{1\ kW}{1,000\ W}$$

- Effective Useful Life

Action items	