CHPB-17-2018: Extending the Unit Coordinator to Handle Economizers and Heat Pumping Equipment	
 Motivation and Problem MPC Unit Coordinator previously developed for coordinating multiple RTUs Extensively demonstrated at multiple field sites Does not consider heat pump heating & economizers 	 Objective Extend Unit Coordinator to Handle Economizers Extend Unit Coordinator for Heat Pumps in Heating Mode
 Expected results More energy and demand savings of the UC by utilizing economizer-enabled units Building demand could be further reduced using <i>free</i> precooling Improved overall heat pump performance during heating seasons 	 Approach Adjust weights of the UC objective function to handle economizer operation, depending on outdoor conditions Modify UC algorithm to accommodate heating stages Use simulation, laboratory, and field site testing



