Discussions for the Technical Papers from the 2022 ASHRAE Winter Conference in Las Vegas, Nevada

This is a compilation of the written questions and comments submitted to authors by attendees at the 2022 ASHRAE Winter Conference in Las Vegas, Nevada. All authors were given the opportunity to respond.

The questions/comments and authors' responses are published with the papers in the hardbound volume of ASHRAE Transactions, Vol. 128, Part 1.

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The Impact of Existing Building Commissioning on Electric Peak Demand

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What is the cost of this project?

Morsy: The total cost of this project, including the assessment phase and both phases of implementation, is about \$820,000. What is the number of employees involved in the project? **Morsy:** I do not have a record of the employees on this project.

Morsy: I do not have a record of the employees on this project, but a project of this scale and timeline will typically have three to five people involved at different stages of the project.

What is the computation time of the modeling software used? **Morsy:** Since this software is based on ASHRAE's Simplified Energy Analysis Procedure (SEAP), it runs relatively very fast since it does not have to evaluate all the radiative and convective coupling and thermal delays associated with dynamic simulations. In the case of this particular model, monthly

outputs can be extracted in less than a minute, and daily and hourly outputs can be extracted in three to five minutes, depending on the period of weather data on which it is based. Which measures resulted in peak load shifting, and which

resulted in peak reduction?

Morsy: At the time of performing these analyses, we were unable to accurately study the impact of different measures separately, however, this is one of the main objectives of our future studies based on a more detailed EnergyPlus simulation model.