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(54) **NET ZERO ENERGY FACILITIES WITH
UNCERTAINTY HANDLING**

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ABSTRACT

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A method is provided for achieving a net energy goal for building operations for a time period including a first subperiod before a current time and a second subperiod from the current time to an end of the time period. The method includes generating first forecasted ranges for amounts of energy consumption for a plurality of time steps in the second subperiod, generating second forecasted ranges for amounts of energy production for the plurality of time steps in the second subperiod, and generating third forecasted ranges for amounts of net energy for the plurality of time steps in the second subperiod. The amounts of net energy are based on differences between the amounts of energy consumption and the amounts of energy production. The method also includes providing a strategy for the building operations based on the third forecasted ranges and the net energy goal

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