



**Schedule 3B**

**INVESTIGATION PHASE COMMISSIONING REPORT MINIMUM REQUIREMENTS**

The Investigation Phase Commissioning Report must contain the following elements:

- 1) A description of the Investigation Phase Data Acquisition System;
- 2) Data from the Data Points over the Monitoring Period;
- 3) A statement of yearly baseline electricity consumption (“**Baseline Electricity Consumption**”) extrapolated from data collected in (b) above and adjusted for use, load, occupancy and weather;
- 4) A statement of baseline peak demand (“**Baseline Peak Demand**”) extrapolated from the data collected in (b) above and adjusted for use, load, occupancy and weather.
- 5) The following table summarizing the Data Points for each hour in the Monitoring Period:

Hour	Outdoor Dry Bulb Temp.	Outdoor Dry RH %	Indoor Dry Bulb Temp.	Indoor Dry RH %	Cooling Load, tons	Chiller kW/ton	Ancillary kW/ton	Total kW/ton

- 6) The following plots for each hour in the Monitoring Period:
  - a) Chilled Water System kW/ton versus load in tons;
  - b) Total (Chilled Water System + ancillary equipment) kW/ton versus load in tons;
  - c) Cooling load in tons versus outdoor dry bulb temperature; and
  - d) Cooling load in tons versus outdoor wet bulb temperature;
- 7) A log of any changes to the Chilled Water System in the Monitoring Period;
- 8) A report summarizing functional testing of all modes of operation of the Chilled Water System, including observed deficiencies and suggested remedies;
- 9) recommendations for at two Minor Measures;



- 10) recommendations for at least two Major Measures;
- 11) for each Major Measure and Minor Measure in (i) above:
  - a) Estimated electricity savings (“**Investigation Phase Energy Savings**”) which shall be calculated as Baseline Electricity Consumption less projected yearly electricity consumption after the implementation of the Minor Measures and Major Measures modelled based on manufacturer’s data and/or industry references;
  - b) Estimated demand savings (“**Investigation Phase Demand Savings**”) which shall be calculated as Baseline Peak Demand less projected peak demand after the implementation of the Minor Measures and Major Measures modelled based on manufacturer’s data and/or industry references;
  - c) Estimated Eligible Costs for Major Measure and Minor Measures; and
- 12) A plan to conduct measurements and verification of the recommended measures in accordance with the International Performance Measurement & Verification Protocol (IPMVP) vol. 1 – Concepts and Options for Determining Energy and Water Savings, available at [www.evo-world.org](http://www.evo-world.org), and as may be updated from time to time (the “Project M&V Plan”).