

UTILITY USAGE DATA

GENERAL INFORMATION

- 1.1 An energy and water model shall be performed on each project. The model will be used to predict the energy and water usage of the project for University planning and budgeting purposes.

DESIGN REQUIREMENTS

- 1.2 The attached UTILITY DATA SHEET shall be drafted in the project's Schematic phase and submitted to the Project Manager for distribution to Operations team. A final version reflecting project changes will be submitted at 100% Construction Document phase. A sample of the Utility Data Sheet is attached.
- 1.3 For energy consumption data for renovations greater than 10,000 sq. ft. or new building additions use DOE based energy modeling software packages such as eQuest. For smaller renovations use commercial modeling software similar to Trane or Carrier. Other analysis techniques shall be submitted for approval by Plant Engineering.
- 1.4 Water modeling methods is at the consultant's discretion, but as a minimum based on fixture units and occupancy types.

CONSTRUCTION REQUIREMENTS

- 1.5 The University will audit select projects with metering data. If actual energy use is greater or less than 15% of that modeled, the consultant shall provide a written report to reconcile the discrepancy.

REFERENCE

- 1.6 Reference Section 00 00 01 Design Requirements – Project Deliverables Checklists.
- 1.7 Reference Section 00 00 04F Design Requirements – Forms (for the Excel version of the data sheet)

END OF SECTION