

Revision #:

Customer Need #	Importance	Description	Comments/Status
CN1	9	Collect Energy Usage Data	
CN1.1	9	Collect Electrical Data	208V/480V
CN1.2	9	Collect Thermal Data	HW/CW
CN2	9	Analyze the Data Collected	
CN2.1	3	Analyze Data Efficiencies	Intensity Coefficient
CN2.2	9	Calculate Trends in Data	Yes
CN2.3	3	Produce Graphs of Trends in Data	BTU/ft ² , kW/ft ² , \$/ft ²
CN2.4	9	Find Substantial Gaps in the System	Analyzing data for inaccurate/missing readings
CN2.5	3	Make Internal Comparisons of Data (Other RIT Buildings)	Not in the scope of this project
CN2.6	9	Make External Comparisons of the Data (Other Universities of Dept. of Energy)	EUI
CN2.7	3	Make Predictions for Future Energy Use	Long recording time and trending
CN3	9	Discover Financial Needs of the Project	
CN3.1	9	Determine Lifecycle Costs of the Units	Not needed
CN3.2	3	Procure Inexpensive Installation and Maintenance	Not needed
CN4	3	Develop Easy Installation and Maintenance Plans	Not needed
CN5	9	Maintain Building Security Through Unit Applications	Physical vs. Cyber Security
CN6	3	Integrate/Archive Analyses and Predictions into RIT Control Package	Long recording time and trending
CN7	1	Design a User Interface for the Data Observed	
CN7.1	1	Make Data Viewable by the Public (RIT Faculty/Staff/Students)	Web page, guest WebCTRL, Kiosk
CN7.2	1	Make Data Controllable by the End User (FMS)	WebCTRL
CN8	3	Increase Public Awareness of the Conservation Methods in Place	Public Display (kiosk)
CN9	1	Attract Student Interest for Future Projects Dealing with RIT Sustainability	Public Display, Project family roadmap

Cust. Need #: enables cross-referencing (traceability) with specifications

Importance: Sample scale (1=must have, 2=nice to have, 3=preference only), or see Ulrich exhibit 4-8.

Description: organize as primary and secondary needs (hierarchy) -- Ulrich exhibit 4.8

Comment/Status: allows tracking of questions, proposed changes, etc; indicate if you are meeting the need ("met") or not ("not met")