Data Center Sustainability

Listed below are some of the features that contribute to the sustainability and efficiency of the new Primary Data Center:

**White Roof**
Designed to reflect heat from the sun and keep the building cool

**Fire Suppression System**
Uses an environmentally friendly gaseous agent

**Raised Floor**
Optimizes airflow and heat dissipation allowing the computing equipment to run more efficiently

**Lighting (low-wattage, high-efficiency)**
Reduces electrical costs and heat loads

**Generators (dual-redundant, high-efficiency, low-emissions)**
Supply power to the Data Center if utility power is lost

**A Best Practice Building Management System**
Monitors and controls all Data Center facilities automatically, adjusting over 2000 control points to optimize systems efficiency and reduce operational costs

**System/Server Virtualization**
Enables consolidation of resources to reign in hardware acquisition and power consumption costs while ensuring scalability for growth

**$300K Rebate received from RG&E**
For energy efficiencies built into the Data Center project

**Cooling System**
Designed to take advantage of Rochester’s moderate climate; when the outside temperature drops below 47°F, water chillers are powered off while a heat exchanger keeps the data center cool