

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