

Commercial & Industrial Smart Usage Rewards

Success Story: Energy Savings & Classroom Comfort

Customer

City School District of New Rochelle

Smart Usage Partner

Logical Buildings

Location

Westchester, NY

Overview

The City School District of New Rochelle joined Con Edison's **Smart Usage Rewards Program** to generate new recurring revenue, control energy costs, and strengthen district-wide sustainability efforts, all without disrupting classrooms or daily operations.

Through its partnership with Sustainable Westchester, the district collaborated with Logical Buildings to roll out its **SmartKit** platform across nine school buildings. The system integrates with the schools' existing HVAC systems to automatically participate in Demand Response events. When Con Edison calls an event, staff receive advance notice and the system makes small, temporary adjustments to building settings to lower electricity use during high-demand hours, without requiring new equipment or staff involvement.

The district enrolled about 995 kW across its buildings and reduced electricity use by roughly the same amount during seven event days. During the 2025 summer season, the program generated about \$107,195 in preliminary revenue, a 51.7% increase over 2024, adding approximately \$36,517 in new value.

Beyond the financial benefits, the program helped the district better understand how its buildings contribute to grid strain and how existing systems can be used more efficiently during peak demand periods. All this was achieved while preserving classroom comfort and reducing reliance on fossil fuel generation.

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Highlights

Enrolled Capacity:

~995 kW

2025 Summer Revenue:

~\$107,195

Year-Over-Year Increase:

+51.7%

Event Days Participated:

7

Carbon Reduction:

~4.75 metric tons of CO₂

Key Challenges

Before participating, the district saw rising energy costs, had little visibility into what influenced peak demand, and lacked tools to manage energy use during grid strain without affecting school operations.

