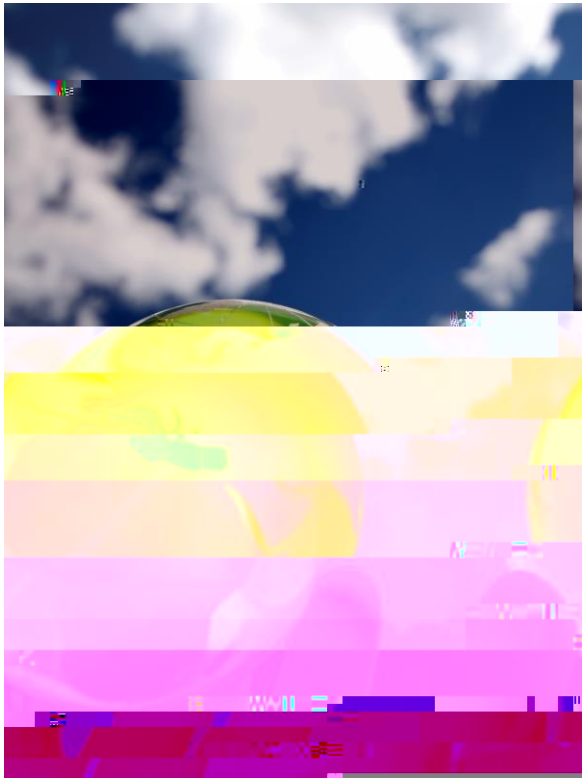

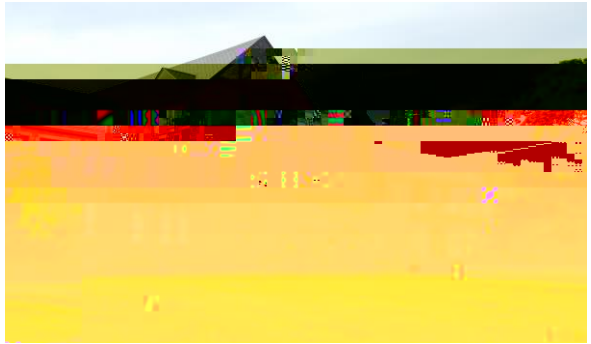

July 26, 2018

East Islip Union Free School District

Energy Performance Contract

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ECM 2: Burner Controls Upgrade

Upgraded burner controls for 6 different boilers across 3 buildings:

- Early Childcare Center/District Office
- Ruth C. Kinney Elementary School
- Timber Point Elementary School

Controls and maps fuel/air ratio during burner startup with LCD display

Optimization of the fuel/air ratio saves energy during startup

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ECM 2: Burner Controls Upgrade

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ECM 3: Destratification Fan Installation

Installed 14 new destratification fans in 5 different schools

- Connetquot Elementary School
- East Islip High School (Aux Gym)
- East Islip Middle School (Aux Gym)
- East Islip Middle School (Main Gym)
- John F. Kennedy Elementary School
- Ruth C. Kinney Elementary School

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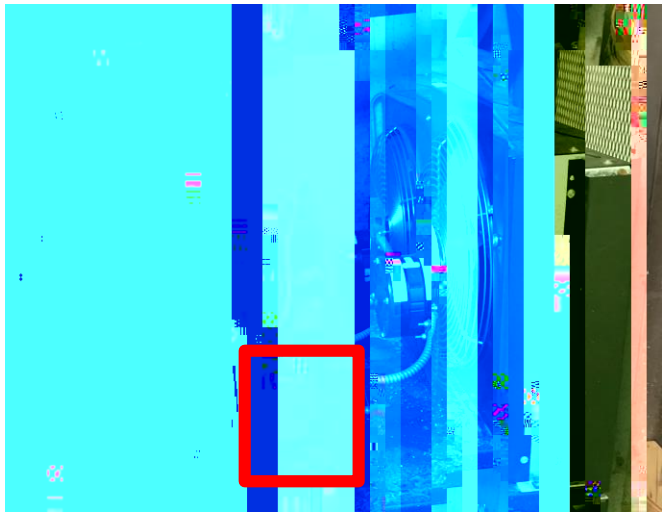
Honeywell Confid ep6.96<2e3 © 2t2e0t2e1t2e8t2e by Honeywell In:8ZC 3M Ventilation Fan on

ECM 5: Freezer Controls Installation

Installed a freezer condenser controller in:

- Connetquot Elementary School
- Early Childcare Center & District Office
- East Islip High School
- East Islip Middle School
- John F. Kennedy Elementary School
- Ruth C. Kinney Elementary School
- Timber Point Elementary School



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ECM 6&7: Building Management System Upgrades / Demand Control Ventilation

Building Management System (BMS) upgrade includes:

- Replacement of existing pneumatic controls with DDC controls
- Replacement of all pneumatically controlled steam and hot water valves
- Integration of existing DDC controls to new BMS
- Installation of plug load controllers on certain electronics and appliances

Demand Control Ventilation (DCV) involves programming logic for $_2$ content rather than running equipment on a specific schedule. This logic optimizes the amount of hours this equipment will run year round.

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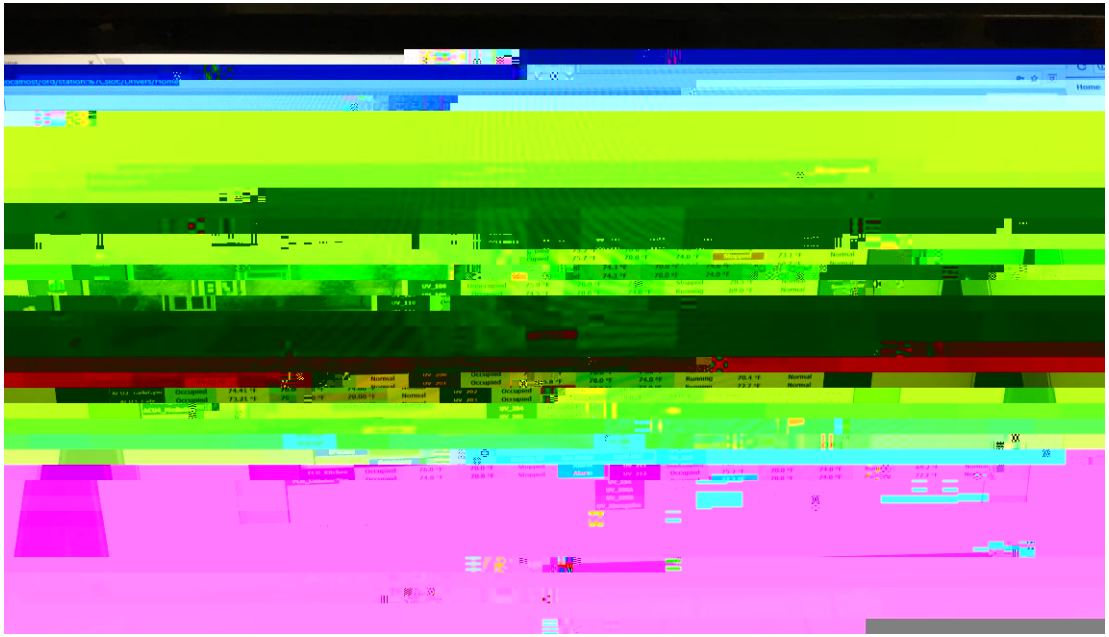
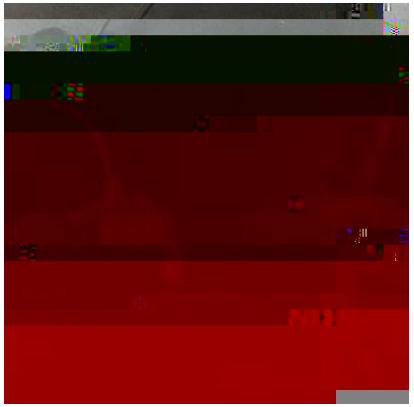
ECM 6&7: Building Management System Upgrades / Demand Control Ventilation





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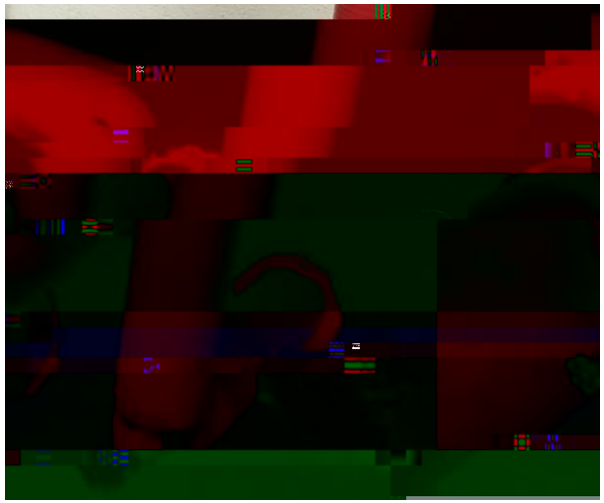
ECM 8: Building Envelope Improvements



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ECM 9: Install Pipe Insulation

Installed 3,752 linear feet of pipe

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ECM 13: Window Film Installation

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Thank You!

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