

Welcome!

Commack UFSD

Board of Education Public Meeting

September 14, 2017



Agenda

2017-18

State of the District and Future
Presentations Schedule

Administrative Report:

Verbal Report on the Opening
of School, Energy Star Awards,
and the Energy Performance
Contract Overview

2017-18

State of the District and Future Presentations

September 14, 2017

Proposed Items and Related-Cost Savings Included in Next Energy Performance Project
(\$14.5 million in additional upgrades at no additional cost to taxpayers)

September 28, 2017

*BOE Goals Development
Workshop*

Budget and Finance; Multi-Year Financial Management; Curriculum, Instruction and Assessment
Goals (adjusting standards, re-writing curriculum, how we think about homework,
social-emotional learning), and more.

October 19, 2017

*BOE Recognition
Celebration*

BOE Reviews and Formally Adopts Goals

Current Fiscal Condition of the District, State of Buildings and Grounds including short- and long-term
plans to address repairs and upgrades

November 9, 2017

Elementary and Middle School Curriculum, Instruction, Assessment and Programming
(general education, special education, enrichment, etc.)

December 14, 2017

High School Curriculum, Instruction, Assessment and Programming (general education, special
education, electives, etc.)

Extra-Curricular Programming and Athletics

January 11, 2018

Community Engagement and Outreach, Technology and Security, Advocacy Update

Welcome to Johnson Controls



Energy Star Award



Energy Star Awarded to Eight Buildings

Building	Building Type	Energy Star Score
Commack Middle School	MS	86
Burr Intermediate School	IS	93
Sawmill Intermediate School	IS	81
Indian Hollow Primary School	PS	85
North Ridge Primary School	PS	90
Rolling Hills Primary School	PS	92
Wood Park Primary School	PS	78
Hubbs Admin	Admin	87



One of the most Energy Efficient School Districts in New York

Energy Performance Contract Overview





Project Overview

Energy Performance Contracting is:

An agreement that allows school districts to take budgeted utility and operational costs and reallocate them into energy saving capital improvements at no cost to taxpayers.

District's Annual
Energy Savings:
\$752,906 - 32%

Project Cost:
\$14,575,507

Energy Efficiency
Measures (EEM) :
10

Payback Period:
17.9 years

Savings Guarantee:
100%

Energy Efficiency Measures





Energy Conservation Measures

Lighting Upgrades with Ceiling Replacement

- Total Districtwide LED Upgrades: Over 17,000
- New Ceilings at the High School Art Gallery – 2,800 Sq. Ft.

Energy Management System

- Air Handling Unit DDC Refit Districtwide: 53 Units
- Pneumatic Repair & Refurbishments Districtwide
 - Unit Ventilators: 392
 - Radiators/Convectors: 587
 - Day/Night Zones: 71
- Optimal Start & Front-End User Interface Upgrades at Burr and Sawmill
- DDC Control of Relief Dampers & Exhaust Fans

Art Gallery Ceilings





Energy Conservation Measures

Boiler Replacements

Building	Proposed Units	Proposed Qty.
North Ridge	Fulton VTG 3000	2
Rolling Hills	Fulton VTG 2000	2



Roof Replacements

- High School: Approx. 152,000 Sq. Ft.
- Indian Hollow: Approx. 47,100 Sq. Ft.
- Rolling Hills: Approx. 46,700 Sq. Ft.

Renewable Energy – Photovoltaic Electric Generation

Site Name	PV Size (kW)
Commack High School	1,027.14
North Ridge Primary	310.42
Indian Hollow Primary	245.48
Rolling Hills Primary	206.04
Totals	1,789.08



Energy Conservation Measures

Cogeneration

Building	Cogen Size
Burr Intermediate School	100 kW
Sawmill Intermediate School	100 kW
Total	200 kW

Plug Load Controllers

- Over 1,300 Plug Load Controllers District-wide

Air Conditioning Compressor Controllers

- Total = 61 District-wide

Energy Efficient RTU Replacements

- Three (3) at Commack High School
- One (1) at Commack Middle School



Cost and Savings Summary





Cash Flow Summary

Year 1

Tax Exempt Lease Payment	\$(1,293,759)
Energy Savings	752,906
NYSED Aid	560,985
Annual O&M Savings	56,064
Rebate Program	48,000
Net Cash Flow to District	\$124,195

Questions from the Board?

