



Metuchen School District

Energy Savings Improvement Program (ESIP)

Overview

July 22nd, 2025

What is the Energy Savings Improvement Program? | **ESIP**

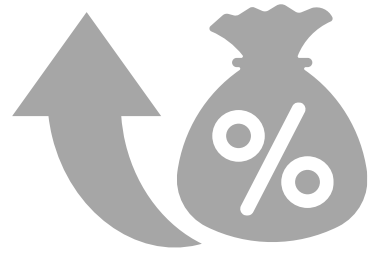
ESIP is a budget neutral financing mechanism that allows retrofitting public facilities with energy conservation measures without having to budget upfront for new capital investment.

njcleanenergy.com



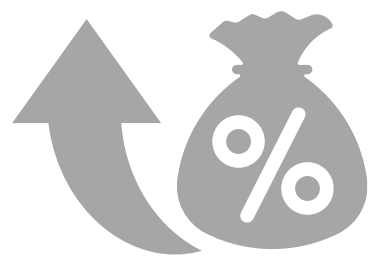


OPTIONS FOR FUNDING CAPITAL IMPROVEMENTS



BOND REFERRENDUM

.....
TAXPAYER IMPACT



LEASE PURCHASE

.....
TAXPAYER IMPACT



ESIP

.....
NO TAXPAYER IMPACT

**ESIP is Funded by Energy Savings from the Installed
Energy Conservation Measures (ECMs)**

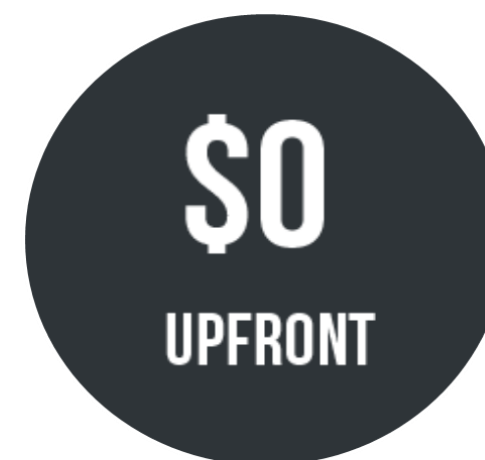


ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP) LEGISLATION

P.L. 2009, c. 4 and P.L. 2012, c. 55

- Annual Savings must exceed all costs
- No Impact to Taxpayers
- Energy Savings Plan (ESP) must be reviewed by an independent 3rd Party
- Board of Public Utilities (BPU) Oversight
- Utilize Solar Savings
- 15 – 20 Year Terms
 - Lease Purchase Agreement
 - Refunding Bonds
- $ECM \text{ Cost} / \text{Savings} = \text{Payback Period}$

Fund Upgrades through your Current Utility Spend



No Upfront Capital Costs



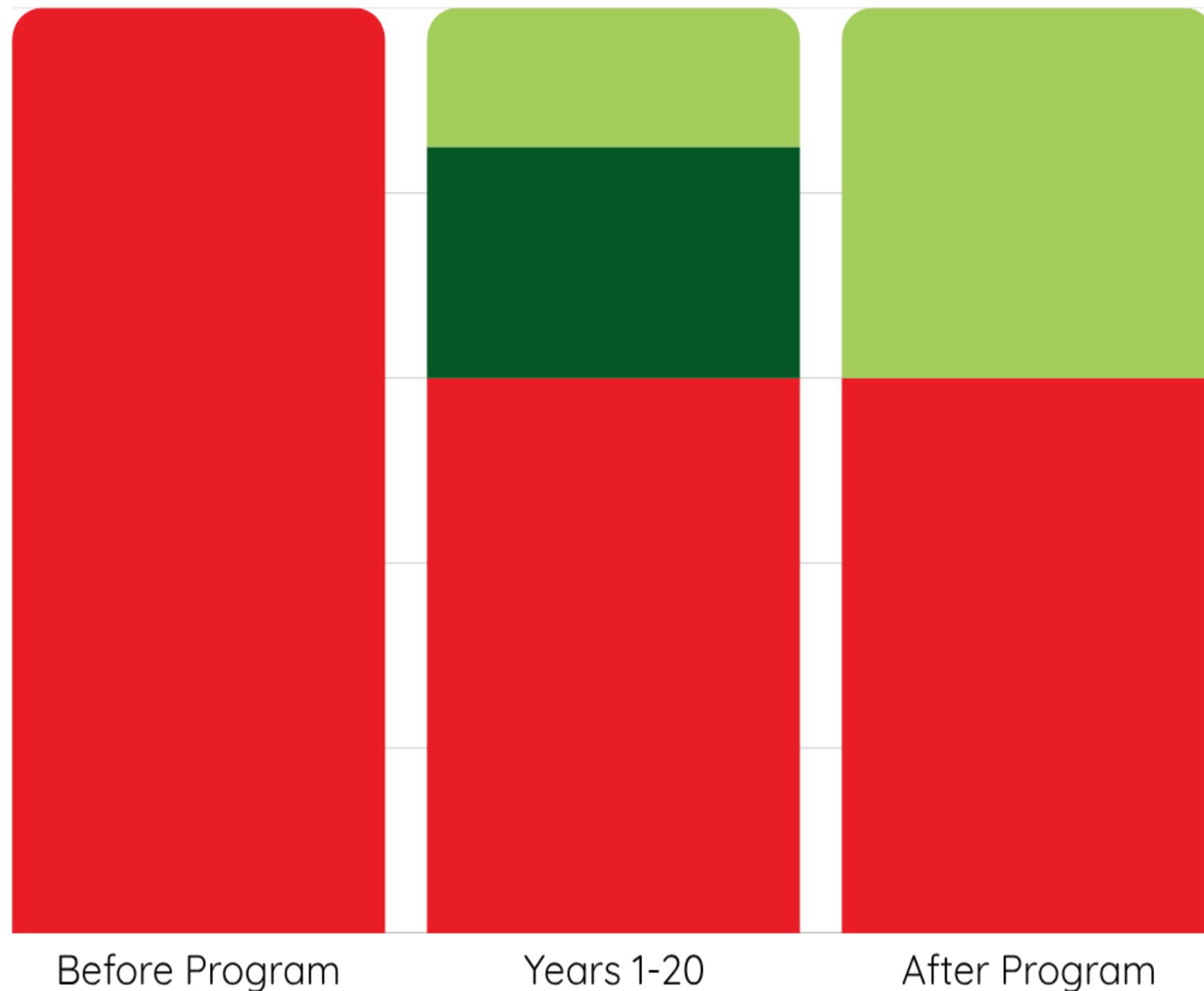
Budget Neutral Capital Improvements



Guaranteed Energy Savings

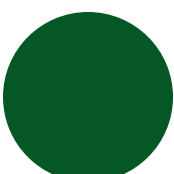


ESIP BUDGET EXAMPLE



**Reallocate funding from
your electric and natural gas
budget line items**

Water, Oil, and Gasoline – *If applicable*

-  Current Utility Spend
-  Excess Positive Cash Flow
-  Principal & Interest Payments

TYPICAL ENERGY CONSERVATION MEASURES

Lighting System Upgrades

- LED Lighting Upgrade – Retrofits and Flat Panels
- Exterior LED Site Lighting
- Lighting Controls
- Exit Sign LED Retrofit

HVAC & Mechanical Systems

- HVAC System Replacements
- High-Efficiency Boilers or Furnaces Replacements
- Chiller Plant Replacement or Optimization
- Variable Frequency Drives (VFDs)
- Demand-Control Ventilation (DCV)
- Energy Recovery Ventilators (ERVs)
- Building Automation System (BAS) Upgrade
- Smart Thermostats & Occupancy Sensors
- Unit Ventilator Replacement (with Variable Refrigerant Flow – VRF)
- Destratification Fans
- Geothermal Heat Pump Systems
- Steam Trap Replacement

Renewable Energy Systems

- Solar PV System Installation with roof restoration

Building Envelope

- Roof Insulation & Air Sealing
- Window Replacement or Film Installation
- Weather Stripping & Door Seals
- Wall Insulation Improvements

Electrical & Power Systems

- Energy-Efficient Transformers
- Power Factor Correction Equipment
- Plug Load Management Devices
- Advanced Energy Metering/Submetering

Water Conservation & Domestic Hot Water

- Low-Flow Plumbing Fixtures (Aerators, Toilets, Faucets)
- Domestic Hot Water Heater Replacements
- Hot Water Pipe Insulation
- Irrigation System Efficiency Improvements
- Leak Detection and Monitoring Systems

Specialty Equipment & Systems

- Kitchen Equipment Upgrades (Energy Star Rated)
- Commercial Refrigeration Improvements
- Server Room Cooling Optimization
- Pool Cover and Efficient Pool Heating

Example ESIP Project Scenarios

Budget Neutral Capital Improvements – Funded through Energy Savings





Energy Conservation Measure (ECM) Matrix

METUCHEN SCHOOL DISTRICT ECM MATRIX		Metuchen HS	Edgar MS	Campbell ES	Moss ES
ECM #	ECM DESCRIPTION				
1	LED Lighting Upgrades	✓	✓	✓	✓
2	Energy Management System Upgrades	✓	✓	✓	✓
3	Premium Efficiency Pump Motors and VFDs	✓	✓	✓	
4	Rooftop Unit Replacement		✓		
5	Pipe and Valve Insulation	✓	✓	✓	✓
6	HVAC Armor	✓	✓	✓	
7	Domestic Water Heater Replacement			✓	
8	Water Conservation	✓	✓	✓	
9	Building Envelope Weatherization	✓	✓	✓	✓
10	Plug Load Controls	✓	✓	✓	✓
11	eTemp Refrigeration Sensors	✓	✓	✓	✓
12	Retro-Commissioning	✓	✓	✓	✓
13	Solar Power Purchase Agreement	✓	✓	✓	✓
14	Roofing Upgrades	✓	✓	✓	✓
15	Combined Heating & Power	✓			
16	Window Film	✓	✓	✓	✓
17	Additon of Cooling - Rooftop Unit Installation	✓			✓



Potential ESIP Project - Scenario #1

METUCHEN SCHOOL DISTRICT ECM MATRIX

ECM #	ECM DESCRIPTION	Metuchen HS	Edgar MS	Campbell ES	Moss ES
1	LED Lighting Upgrades	✓	✓	✓	✓
2	Energy Management System Upgrades	✓	✓	✓	✓
3	Premium Efficiency Pump Motors and VFDs	✓	✓	✓	
4	Rooftop Unit Replacement		✓		
5	Pipe and Valve Insulation	✓	✓	✓	✓
6	HVAC Armor	✓	✓	✓	
7	Domestic Water Heater Replacement			✓	
8	Water Conservation	✓	✓	✓	
9	Building Envelope Weatherization	✓	✓	✓	✓
10	Plug Load Controls	✓	✓	✓	✓
11	eTemp Refrigeration Sensors	✓	✓	✓	✓
12	Retro-Commissioning	✓	✓	✓	✓
13	Solar Power Purchase Agreement	✓	✓	✓	✓
14	Roofing Upgrades	✓	✓	✓	✓
15	Combined Heating & Power	✓			
16	Window Film	✓	✓	✓	✓
17	Additon of Cooling - Rooftop Unit Installation	✓			✓

Key ECMs

- **LED Lighting Upgrades**
 - Flat Panel Lay-In Option
- **Solar PPA**
 - Rooftop Solar Array at Metuchen High School
 - Roofing Warranties to match the PPA term (15 years)
- **EMS Upgrades**
 - Expanded Controls and Controller Replacements
- **Rooftop Unit Replacement**
 - (3) RTU at Edgar MS - ~60 tons of Cooling
- **Rooftop Unit Replacement – Addition of Cooling at High School**
 - (5) Heating Only RTUs to Cooling/Heating RTUs - ~94 tons of Cooling
- **Roofing Upgrades**
 - Metuchen HS – full roof restoration
 - Moss ES – full roof restoration



Potential ESIP Project - Scenario #1

FORM VI

ESCO's PRELIMINARY ENERGY SAVINGS PLAN (ESP):
ESCO's PRELIMINARY ANNUAL CASH FLOW ANALYSIS FORM
METUCHEN SCHOOL DISTRICT - ENERGY SAVING IMPROVEMENT PROGRAM

ESCO Name: DCO Energy

Note: Respondents must use the following assumptions in all financial calculations:
(a) The cost of all types of energy should be assumed to inflate at **2.4% gas, 2.2% electric** per year. No other escalators will be permitted.
1. Term of Agreement: 20 Years
2. Construction Period ⁽²⁾ (months): 24 Months
3. Cash Flow Analysis Format:

Total Estimated Project Cost⁽¹⁾: \$6,800,000
Misc Costs Financed: \$125,000
Financed Amount: \$6,925,000

Interest Rate: 4.00%

Miscellaneous Costs Financed:

Cost of Issuance	\$125,000
Total	\$125,000

Year	Annual Energy Savings	Annual Operational Savings	Energy Rebates / Incentives	Solar Savings	Total Annual Savings	Annual Project Costs	Net Cash-Flow to Client	Cumulative Cash Flow
Installation (2 Years)	\$ 370,990				\$ 370,990	\$ (263,150)		\$ -
Year 1	\$ 279,777	\$ 36,247	\$ 426,988	\$ 110,064	\$ 853,076	\$ (956,607)	\$ 4,309	\$ 4,309
Year 2	\$ 285,978	\$ 36,247	\$ 426,988	\$ 111,987	\$ 861,200	\$ (856,890)	\$ 4,309	\$ 8,619
Year 3	\$ 292,317	\$ 19,269		\$ 113,943	\$ 425,530	\$ (421,220)	\$ 4,309	\$ 12,928
Year 4	\$ 298,798	\$ 19,269		\$ 115,934	\$ 434,002	\$ (429,692)	\$ 4,309	\$ 17,238
Year 5	\$ 305,425	\$ 19,269		\$ 117,959	\$ 442,654	\$ (438,344)	\$ 4,309	\$ 21,547
Year 6	\$ 312,201			\$ 120,020	\$ 432,220	\$ (427,911)	\$ 4,309	\$ 25,857
Year 7	\$ 319,128			\$ 122,116	\$ 441,244	\$ (436,935)	\$ 4,309	\$ 30,166
Year 8	\$ 326,211			\$ 124,249	\$ 450,459	\$ (446,150)	\$ 4,309	\$ 34,476
Year 9	\$ 333,452			\$ 126,419	\$ 459,871	\$ (455,561)	\$ 4,309	\$ 38,785
Year 10	\$ 340,856			\$ 128,626	\$ 469,482	\$ (465,172)	\$ 4,309	\$ 43,095
Year 11	\$ 348,426			\$ 130,872	\$ 479,298	\$ (474,988)	\$ 4,309	\$ 47,404
Year 12	\$ 356,165			\$ 133,157	\$ 489,322	\$ (485,013)	\$ 4,309	\$ 51,713
Year 13	\$ 364,078			\$ 135,481	\$ 499,560	\$ (495,250)	\$ 4,309	\$ 56,023
Year 14	\$ 372,169			\$ 137,846	\$ 510,015	\$ (505,706)	\$ 4,309	\$ 60,332
Year 15	\$ 380,441			\$ 140,252	\$ 520,694	\$ (516,384)	\$ 4,309	\$ 64,642
Year 16	\$ 388,899				\$ 388,899	\$ (384,589)	\$ 4,309	\$ 68,951
Year 17	\$ 397,546				\$ 397,546	\$ (393,237)	\$ 4,309	\$ 73,261
Year 18	\$ 406,388				\$ 406,388	\$ (402,078)	\$ 4,309	\$ 77,570
Year 19	\$ 415,427				\$ 415,427	\$ (411,118)	\$ 4,309	\$ 81,880
Year 20	\$ 424,670				\$ 424,670	\$ (420,360)	\$ 4,309	\$ 86,189
Totals	\$ 7,319,342	\$ 130,301	\$ 853,977	\$ 1,868,925	\$ 10,172,545	\$ (10,086,356)	\$ 86,189	

Potential ESIP Project

Potential Annual Energy Cost Savings
\$279,777

Potential Annual Solar PPA Savings
\$110,064

Self-Funding Facility Improvements
\$6,800,000



Potential ESIP Project - Scenario #2

METUCHEN SCHOOL DISTRICT ECM MATRIX

ECM #	ECM DESCRIPTION	Metuchen HS	Edgar MS	Campbell ES	Moss ES
1	LED Lighting Upgrades	✓	✓	✓	✓
2	Energy Management System Upgrades	✓	✓	✓	✓
3	Premium Efficiency Pump Motors and VFDs	✓	✓	✓	
4	Rooftop Unit Replacement		✓		
5	Pipe and Valve Insulation	✓	✓	✓	✓
6	HVAC Armor	✓	✓	✓	
7	Domestic Water Heater Replacement			✓	
8	Water Conservation	✓	✓	✓	
9	Building Envelope Weatherization	✓	✓	✓	✓
10	Plug Load Controls	✓	✓	✓	✓
11	eTemp Refrigeration Sensors	✓	✓	✓	✓
12	Retro-Commissioning	✓	✓	✓	✓
13	Solar Power Purchase Agreement	✓	✓	✓	✓
14	Roofing Upgrades	✓	✓	✓	✓
15	Combined Heating & Power	✓			
16	Window Film	✓	✓	✓	✓
17	Additon of Cooling - Rooftop Unit Installation	✓			✓

Key Measures

- **LED Lighting Upgrades**
 - Flat Panel Lay-In Option
- **Solar PPA**
 - Rooftop Solar Array at Metuchen High School
 - Roofing Warranties to match the PPA term (15 years)
- **EMS Upgrades**
 - Expanded Controls and Controller Replacements
- **Rooftop Unit Replacement**
 - (3) RTU at Edgar MS - ~60 tons of Cooling
- **Roofing Upgrades**
 - Metuchen HS - full roof restoration
 - Edgar MS - full roof restoration
 - Campbell ES - full roof restoration
 - Moss ES - full roof restoration



Potential ESIP Project - Scenario #2

FORM VI

ESCO's PRELIMINARY ENERGY SAVINGS PLAN (ESP):
ESCO's PRELIMINARY ANNUAL CASH FLOW ANALYSIS FORM
METUCHEN SCHOOL DISTRICT - ENERGY SAVING IMPROVEMENT PROGRAM

ESCO Name: DCO Energy

Note: Respondents must use the following assumptions in all financial calculations:
(a) The cost of all types of energy should be assumed to inflate at **2.4% gas, 2.2% electric** per year. No other escalators will be permitted.

1. Term of Agreement: 20 Years

2. Construction Period ⁽²⁾ (months): 24 Months

3. Cash Flow Analysis Format:

Miscellaneous Costs Financed:

Cost of Issuance	\$125,000
Total	\$125,000

Total Estimated Project Cost⁽¹⁾: \$6,813,030

Misc Costs Financed: \$125,000

Financed Amount: \$6,938,030

Interest Rate: 4.00%

Year	Annual Energy Savings	Annual Operational Savings	Energy Rebates / Incentives	Solar Savings	Total Annual Savings	Annual Project Costs	Net Cash-Flow to Client	Cumulative Cash Flow
Installation (2 Years)	\$ 371,323				\$ 371,323	\$ (263,645)		\$ -
Year 1	\$ 280,793	\$ 30,607	\$ 428,469	\$ 110,064	\$ 849,933	\$ (953,611)	\$ 4,000	\$ 4,000
Year 2	\$ 287,017	\$ 30,607	\$ 428,469	\$ 111,987	\$ 858,080	\$ (854,080)	\$ 4,000	\$ 8,000
Year 3	\$ 293,381	\$ 19,269		\$ 113,943	\$ 426,593	\$ (422,593)	\$ 4,000	\$ 12,000
Year 4	\$ 299,887	\$ 19,269		\$ 115,934	\$ 435,090	\$ (431,090)	\$ 4,000	\$ 16,000
Year 5	\$ 306,539	\$ 19,269		\$ 117,959	\$ 443,768	\$ (439,768)	\$ 4,000	\$ 20,000
Year 6	\$ 313,340			\$ 120,020	\$ 433,360	\$ (429,360)	\$ 4,000	\$ 24,000
Year 7	\$ 320,294			\$ 122,116	\$ 442,410	\$ (438,410)	\$ 4,000	\$ 28,000
Year 8	\$ 327,404			\$ 124,249	\$ 451,653	\$ (447,653)	\$ 4,000	\$ 32,000
Year 9	\$ 334,673			\$ 126,419	\$ 461,092	\$ (457,092)	\$ 4,000	\$ 36,000
Year 10	\$ 342,106			\$ 128,626	\$ 470,732	\$ (466,732)	\$ 4,000	\$ 40,000
Year 11	\$ 349,705			\$ 130,872	\$ 480,577	\$ (476,577)	\$ 4,000	\$ 44,000
Year 12	\$ 357,474			\$ 133,157	\$ 490,631	\$ (486,631)	\$ 4,000	\$ 48,000
Year 13	\$ 365,418			\$ 135,481	\$ 500,899	\$ (496,899)	\$ 4,000	\$ 52,000
Year 14	\$ 373,540			\$ 137,846	\$ 511,386	\$ (507,386)	\$ 4,000	\$ 56,000
Year 15	\$ 381,844			\$ 140,252	\$ 522,096	\$ (518,096)	\$ 4,000	\$ 60,000
Year 16	\$ 390,334				\$ 390,334	\$ (386,334)	\$ 4,000	\$ 64,000
Year 17	\$ 399,015				\$ 399,015	\$ (395,015)	\$ 4,000	\$ 68,000
Year 18	\$ 407,891				\$ 407,891	\$ (403,891)	\$ 4,000	\$ 72,000
Year 19	\$ 416,965				\$ 416,965	\$ (412,965)	\$ 4,000	\$ 76,000
Year 20	\$ 426,244				\$ 426,244	\$ (422,244)	\$ 4,000	\$ 80,000
Totals	\$ 7,345,188	\$ 119,021	\$ 856,938	\$ 1,868,925	\$ 10,190,072	\$ (10,110,072)	\$ 80,000	

Potential ESIP Project

- Potential Annual Energy Cost Savings
\$280,793
- Potential Annual Solar PPA Savings
\$110,064
- Self-Funding Facility Improvements
\$6,813,000



Potential ESIP Project - Scenario #3

METUCHEN SCHOOL DISTRICT ECM MATRIX

ECM #	ECM DESCRIPTION	Metuchen HS	Edgar MS	Campbell ES	Moss ES
1	LED Lighting Upgrades	✓	✓	✓	✓
2	Energy Management System Upgrades	✓	✓	✓	✓
3	Premium Efficiency Pump Motors and VFDs	✓	✓	✓	
4	Rooftop Unit Replacement		✓		
5	Pipe and Valve Insulation	✓	✓	✓	✓
6	HVAC Armor	✓	✓	✓	
7	Domestic Water Heater Replacement			✓	
8	Water Conservation	✓	✓	✓	
9	Building Envelope Weatherization	✓	✓	✓	✓
10	Plug Load Controls	✓	✓	✓	✓
11	eTemp Refrigeration Sensors	✓	✓	✓	✓
12	Retro-Commissioning	✓	✓	✓	✓
13	Solar Power Purchase Agreement	✓	✓	✓	✓
14	Roofing Upgrades	✓	✓	✓	✓
15	Combined Heating & Power	✓			
16	Window Film	✓	✓	✓	✓
17	Additon of Cooling - Rooftop Unit Installation	✓			✓

Key Measures

- **LED Lighting Upgrades**
 - Flat Panel Lay-In Option
- **Solar PPA**
 - Rooftop Solar Array at Metuchen High School
 - Roofing Warranties to match the PPA term (15 years)
- **EMS Upgrades**
 - Expanded Controls and Controller Replacements
- **Rooftop Unit Replacement**
 - (2) RTU at Edgar MS - ~50 tons of Cooling
- **Roofing Upgrades**
 - Metuchen HS – full roof restoration
 - Edgar MS – full roof restoration
 - Campbell ES – full roof restoration
 - Moss ES – full roof restoration



Potential ESIP Project - Scenario #3

FORM VI

ESCO's PRELIMINARY ENERGY SAVINGS PLAN (ESP):
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METUCHEN SCHOOL DISTRICT - ENERGY SAVING IMPROVEMENT PROGRAM

ESCO Name: DCO Energy

Note: Respondents must use the following assumptions in all financial calculations:
(a) The cost of all types of energy should be assumed to inflate at **2.4% gas, 2.2% electric** per year. No other escalators will be permitted.

1. Term of Agreement: 20 Years

2. Construction Period ⁽²⁾ (months): 24 Months

3. Cash Flow Analysis Format:

Total Estimated Project Cost⁽¹⁾: \$6,639,316

Misc Costs Financed: \$125,000

Financed Amount: \$6,764,316

Interest Rate: 4.00%

Miscellaneous Costs Financed:

Cost of Issuance	\$125,000
Total	\$125,000

Year	Annual Energy Savings	Annual Operational Savings	Energy Rebates / Incentives	Solar Savings	Total Annual Savings	Annual Project Costs	Net Cash-Flow to Client	Cumulative Cash Flow
Installation (2 Years)	\$ 369,967				\$ 369,967	\$ (257,044)		\$ -
Year 1	\$ 279,437	\$ 29,689	\$ 425,642	\$ 110,064	\$ 844,832	\$ (942,756)	\$ 15,000	\$ 15,000
Year 2	\$ 285,631	\$ 29,689	\$ 425,642	\$ 111,987	\$ 852,950	\$ (837,950)	\$ 15,000	\$ 30,000
Year 3	\$ 291,965	\$ 19,269		\$ 113,943	\$ 425,177	\$ (410,177)	\$ 15,000	\$ 45,000
Year 4	\$ 298,440	\$ 19,269		\$ 115,934	\$ 433,643	\$ (418,643)	\$ 15,000	\$ 60,000
Year 5	\$ 305,060	\$ 19,269		\$ 117,959	\$ 442,288	\$ (427,288)	\$ 15,000	\$ 75,000
Year 6	\$ 311,829			\$ 120,020	\$ 431,849	\$ (416,849)	\$ 15,000	\$ 90,000
Year 7	\$ 318,749			\$ 122,116	\$ 440,865	\$ (425,865)	\$ 15,000	\$ 105,000
Year 8	\$ 325,825			\$ 124,249	\$ 450,074	\$ (435,074)	\$ 15,000	\$ 120,000
Year 9	\$ 333,060			\$ 126,419	\$ 459,478	\$ (444,478)	\$ 15,000	\$ 135,000
Year 10	\$ 340,456			\$ 128,626	\$ 469,083	\$ (454,083)	\$ 15,000	\$ 150,000
Year 11	\$ 348,019			\$ 130,872	\$ 478,891	\$ (463,891)	\$ 15,000	\$ 165,000
Year 12	\$ 355,752			\$ 133,157	\$ 488,908	\$ (473,908)	\$ 15,000	\$ 180,000
Year 13	\$ 363,657			\$ 135,481	\$ 499,139	\$ (484,139)	\$ 15,000	\$ 195,000
Year 14	\$ 371,741			\$ 137,846	\$ 509,587	\$ (494,587)	\$ 15,000	\$ 210,000
Year 15	\$ 380,005			\$ 140,252	\$ 520,257	\$ (505,257)	\$ 15,000	\$ 225,000
Year 16	\$ 388,455				\$ 388,455	\$ (373,455)	\$ 15,000	\$ 240,000
Year 17	\$ 397,094				\$ 397,094	\$ (382,094)	\$ 15,000	\$ 255,000
Year 18	\$ 405,928				\$ 405,928	\$ (390,928)	\$ 15,000	\$ 270,000
Year 19	\$ 414,959				\$ 414,959	\$ (399,959)	\$ 15,000	\$ 285,000
Year 20	\$ 424,193				\$ 424,193	\$ (409,193)	\$ 15,000	\$ 300,000
Totals	\$ 7,310,223	\$ 117,185	\$ 851,285	\$ 1,868,925	\$ 10,147,619	\$ (9,847,619)	\$ 300,000	

Potential ESIP Project

Potential Annual Energy Cost Savings
\$279,437

Potential Annual Solar PPA Savings
\$110,064

Self-Funding Facility Improvements
\$6,639,316



Solar Potential

METUCHEN PS - SOLAR PPA RATES & SAVINGS						
BUILDING	MOUNTING CATEGORY	PROPOSED CAPCAITY (kW)	PROPOSED GENERATION (KWh)	\$/kWh RATES		1ST YEAR COST SAVINGS (\$)
				UTILITY	SOLAR PPA	
Metuchen High School	Roof	672.2	806,668	\$0.158	\$0.040	\$110,064
Edgar Middle School	Roof	0	0	\$0.155	\$0.040	\$0
Campbell Elementary School	Roof	0	0	\$0.143	\$0.040	\$0
Moss Elementary School	Roof	0	0	\$0.155	\$0.040	\$0
TOTAL		672.2	806,668			\$110,064

Solar PPA – Roof Mounted Opportunity

- **Based on recent Solar PPA bid results (current pricing)**
 - Capacity, Generation and proposed public bid rate per kWh
- **Confirmed against PSEG Solar Suitability Interconnection Maps**
 - Edgar MS, Campbell ES & Moss ES are located on restricted circuits as of May of 2025 – no Solar PV opportunity available at this present time

METUCHEN PS - SOLAR PPA RATES & SAVINGS						
BUILDING	MOUNTING CATEGORY	PROPOSED CAPCAITY (kW)	PROPOSED GENERATION (KWh)	\$/kWh RATES		1ST YEAR COST SAVINGS (\$)
				UTILITY	SOLAR PPA	
Metuchen High School	Roof	672.2	806,668	\$0.158	\$0.040	\$110,064
Edgar Middle School	Roof	322.4	380,457	\$0.155	\$0.040	\$50,651
Campbell Elementary School	Roof	492.0	580,589	\$0.143	\$0.040	\$69,575
Moss Elementary School	Roof	166.4	196,334	\$0.155	\$0.040	\$26,006
TOTAL		1,653.1	1,964,047			\$256,296

Solar PPA – Roof Mounted Opportunity

- **Based on recent Solar PPA bid results (current pricing)**
 - Capacity, Generation and proposed public bid rate per kWh
- **PSEG Solar Suitability Interconnection Maps**
 - Assumes all circuits are available with no capacity limitations



ESIP DIY Process

Local Government Energy Audit (LGEA)

(4 – 18 Months)

- Submit LGEA Application to LGEA@NJCleanEnergy.com OR Utilize PSE&G Program (Eng. Sol.)
- Provide Building Data & 14 Months of Utility Data
- 4-18 Months for TRC or Trade Ally to complete LGEA (length depends on queue)

Award IGA to AOR/EOR in Partnership with ESCO

(1 BOE Meeting)

- BOE awards and authorizes AOR/EOR to move forward with Investment Grade Audit (IGA)

Investment Grade Audit (IGA)

(3-6 Months)

- 3-6 Month in-depth analysis of facilities
- Evaluate/RFP a Solar Power Purchase Agreement (PPA)
- Propose Energy Conservation Measures (ECMs), Financial Analysis, and Energy Savings

Energy Savings Plan (ESP)

(1-2 Month Review Period)

- Select a self-funding Scope of Work from IGA to be implemented
- ESP must be approved by independent 3rd Party Verifier and NJ BPU

Financing and Design

(2 – 6 Months)

- After all approvals, financing is closed, and BOE provides approval: Design and Implementation begins
- Procurement of Subcontractors must follow 18A (Public Bid, Co-ops, and professional services)