



LGEA Presentation State of NJ - DOT

October 5, 2023

New Jersey's Clean Energy Program

Lighting the way to New Jersey's Clean Energy Future

INTRODUCTIONS

State of NJ - DOT

- Naveen
 Penmetcha
- Hani Shamroukh
- Steven Bilenki
- Christopher
 Lockwood
- Paul Laurita

NJ Clean Energy Program

- Sarah Walters
- Moussa Traore

- Sean Mooney
- Nick Toth
- Debby Hatzisavvas
- Andrew Zeleznock
- Dennis Meszaros
- George Schwarz

NJ BPU

- Sara Bluhm
- Yuliia Herhel

Utility Energy Efficiency Programs

- Mike Mandzik NJNG
- John Sousa JCP&L (TRC)
- Sirajuddin Shaikh JCP&L



Agenda

- The audit process overview
- Energy use & existing conditions
- Review of Energy Conservation Measures (ECMs) identified & other recommendations
- Energy Savings Improvement Program (ESIP)
- Energy Efficiency Incentive Programs
- Questions regarding the draft audit report
- Next steps for DOTs North & South Headquarters



LGEA PROCESS



- Application Approval
- Initial Call
- **Facility Interviews**
- Audit
- **Benchmarking & Analysis**
- **Draft Reports**
- LGEA Presentation
- Final Reports

SITE VISIT & UTILITY ANALYSIS

Overview of Systems, Baseline & Existing Conditions:

- Building Envelope
- Lighting System
- HVAC and Mechanical Systems
- Plug Load Equipment
- Building Automation System (BAS)

Utility Consumption:

- Electric Consumption and Costs
- Natural Gas Consumption and Costs

Sites Visited/Analyzed

- DOT North Headquarters (Mt. Arlington)
- DOT South Headquarters (Cherry Hill)



UTILITY BREAKOUT



Pre & Post Implementation Cost





Benchmarking



ALL OPPORTUNITIES

Savings Potential





- Lighting Control Measures
- Variable Frequency Drive (VFD) Measures
- Electric Unitary HVAC Measures
- Gas Heating (HVAC/Process) Replacement
- HVAC System Improvements
- Domestic Water Heating Upgrade
- Food Service & Refrigeration Measures
- Custom Measures



ALL OPPORTUNITIES (1 OF 2)

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades	102,378	21.1	-21.4	\$15,035	\$34,846	\$6,210	\$28,636	1.9	100,587
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	1 <i>,</i> 054	0.4	-0.2	\$157	\$695	\$80	\$615	3.9	1,035
ECM 2	Retrofit Fixtures with LED Lamps	95 <i>,</i> 388	20.1	-19.9	\$13 <i>,</i> 990	\$30,123	\$6,130	\$23,993	1.7	93,720
ECM 3	A 3 Install LED Exit Signs		0.6	-1.2	\$889	\$4,027	\$0	\$4,027	4.5	5,832
Lighting Control Measures		55,704	11.6	-11.6	\$8,157	\$42,429	\$6,412	\$36,017	4.4	54,730
ECM 4	Install Occupancy Sensor Lighting Controls	51,691	10.9	-10.8	\$7,576	\$39,397	\$4,395	\$35,002	4.6	50,787
ECM 5	Install High/Low Lighting Controls	4,013	0.6	-0.8	\$582	\$3,032	\$2,017	\$1,015	1.7	3,943
Variable	Frequency Drive (VFD) Measures	95,746	16.6	0.0	\$14,134	\$99,985	\$10,000	\$89,985	6.4	96,415
ECM 6	Install VFDs on Constant Volume (CV) Fans	47,567	9.2	0.0	\$7 <i>,</i> 086	\$38,475	\$4,900	\$33,575	4.7	47,900
ECM 7	Install VFDs on Heating Water Pumps	10,254	0.8	0.0	\$1 <i>,</i> 556	\$16,188	\$300	\$15,888	10.2	10,325
ECM 8	Install VFDs on Cooling Tower Fans	7 <i>,</i> 808	-0.8	0.0	\$1,131	\$21,476	\$2 <i>,</i> 400	\$19,076	16.9	7,863
ECM 9	Install VFDs on WSHP Circulation Pump	30,117	7.4	0.0	\$4,362	\$23 <i>,</i> 846	\$2,400	\$21,446	4.9	30,327
Unitary HVAC Measures		4,557	0.0	0.0	\$660	\$75,178	\$2,176	\$73,002	110.6	4,589
ECM 10	Install High Efficiency Heat Pumps	4,557	0.0	0.0	\$660	\$75,178	\$2,176	\$73,002	110.6	4,589



ALL OPPORTUNITIES (2 OF 2)

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Gas Hea	ting (HVAC/Process) Replacement	0	0.0	111.5	\$1,850	\$29,607	\$1,584	\$28,023	15.1	13,057
ECM 11	Install High Efficiency Hot Water Boilers	0	0.0	111.5	\$1,850	\$29,607	\$1,584	\$28,023	15.1	13,057
HVAC System Improvements			0.0	3.2	\$53	\$61	\$8	\$53	1.0	371
ECM 12	Install Pipe Insulation	0	0.0	3.2	\$53	\$61	\$8	\$53	1.0	371
Domestic Water Heating Upgrade			0.0	6.7	\$334	\$235	\$112	\$123	0.4	2,267
ECM 13	Install Low-Flow DHW Devices	1,472	0.0	6.7	\$334	\$235	\$112	\$123	0.4	2,267
Food Se	rvice & Refrigeration Measures	3,909	0.4	0.0	\$580	\$1,071	\$100	\$971	1.7	3,936
ECM 14	Vending Machine Control	3,909	0.4	0.0	\$580	\$1,071	\$100	\$971	1.7	3,936
Custom Measures			0.0	38.0	\$1,057	\$14,092	\$0	\$14,092	13.3	7,113
ECM 15	Replace Electric Water Heater with Heat Pump Water Heater	6,246	0.0	0.0	\$948	\$11,242	\$0	\$11,242	11.9	6,290
ECM 16	Replace Gas Fired Water Heater with Heat Pump Water Heater	-3,601	0.0	38.0	\$109	\$2,850	\$0	\$2,850	26.1	823
	TOTALS	266,410	49.8	126.3	\$41,859	\$297,503	\$26,602	\$270,901	6.5	283,064

* - All incentives presented in this table are included as placesholders and are based on previously run state rebate programs. Contact your utility provider for details on current programs



COST EFFECTIVE OPPORTUNITIES

Savings Potential





- Lighting Control Measures
- Variable Frequency Drive (VFD) Measures
- Gas Heating (HVAC/Process) Replacement
- HVAC System Improvements
- Domestic Water Heating Upgrade
- Food Service & Refrigeration Measures
- Custom Measures



COST EFFECTIVE OPPORTUNITIES

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades	102,378	21.1	-21.4	\$15,035	\$34,846	\$6,210	\$28,636	1.9	100,587
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	1,054	0.4	-0.2	\$157	\$695	\$80	\$615	3.9	1,035
ECM 2	Retrofit Fixtures with LED Lamps	95,388	20.1	-19.9	\$13,990	\$30,123	\$6,130	\$23,993	1.7	93,720
ECM 3	Install LED Exit Signs	5,936	0.6	-1.2	\$889	\$4,027	\$0	\$4,027	4.5	5,832
Lighting	Control Measures	55,704	11.6	-11.6	\$8,157	\$42,429	\$6,412	\$36,017	4.4	54,730
ECM 4	Install Occupancy Sensor Lighting Controls	51,691	10.9	-10.8	\$7,576	\$39,397	\$4,395	\$35,002	4.6	50,787
ECM 5	Install High/Low Lighting Controls	4,013	0.6	-0.8	\$582	\$3,032	\$2,017	\$1,015	1.7	3,943
Variable Frequency Drive (VFD) Measures			16.6	0.0	\$14,134	\$99,985	\$10,000	\$89,985	6.4	96,415
ECM 6	Install VFDs on Constant Volume (CV) Fans	47,567	9.2	0.0	\$7,086	\$38,475	\$4,900	\$33,575	4.7	47,900
ECM 7	Install VFDs on Heating Water Pumps	10,254	0.8	0.0	\$1,556	\$16,188	\$300	\$15 <i>,</i> 888	10.2	10,325
ECM 8	Install VFDs on Cooling Tower Fans	7,808	-0.8	0.0	\$1,131	\$21,476	\$2,400	\$19,076	16.9	7,863
ECM 9	Install VFDs on WSHP Circulation Pump	30,117	7.4	0.0	\$4,362	\$23,846	\$2,400	\$21,446	4.9	30,327
Gas Hea	ting (HVAC/Process) Replacement	0	0.0	111.5	\$1,850	\$29,607	\$1,584	\$28,023	15.1	13,057
ECM 11	Install High Efficiency Hot Water Boilers	0	0.0	111.5	\$1,850	\$29,607	\$1,584	\$28,023	15.1	13,057
HVAC Sy	ystem Improvements	0	0.0	3.2	\$53	\$61	\$8	\$53	1.0	371
ECM 12	Install Pipe Insulation	0	0.0	3.2	\$53	\$61	\$8	\$53	1.0	371
Domesti	ic Water Heating Upgrade	1,472	0.0	6.7	\$334	\$235	\$112	\$123	0.4	2,267
ECM 13	Install Low-Flow DHW Devices	1,472	0.0	6.7	\$334	\$235	\$112	\$123	0.4	2,267
Food Se	rvice & Refrigeration Measures	3,909	0.4	0.0	\$580	\$1,071	\$100	\$971	1.7	3,936
ECM 14	Vending Machine Control	3,909	0.4	0.0	\$580	\$1,071	\$100	\$971	1.7	3,936
Custom	Measures	6,246	0.0	0.0	\$948	\$11,242	\$0	\$11,242	11.9	6,290
ECM 15	Replace Electric Water Heater with Heat Pump Water Heater	6,246	0.0	0.0	\$948	\$11,242	\$0	\$11,242	11.9	6,290
	TOTALS	265,454	49.8	88.3	\$41,090	\$219,475	\$24,426	\$195,049	4.7	277,652

* - All incentives presented in this table are included as placesholders and are based on previously run state rebate programs. Contact your utility provider for details on current programs

DOT NORTH HEADQUARTERS (MT. ARLINGTON)

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		34,923	9.2	-7	\$4,937	\$14,278	\$2,814	\$11,464	2.3	34,313
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	135	0.1	0	\$19	\$174	\$20	\$154	8.1	132
ECM 2	Retrofit Fixtures with LED Lamps	Yes	34,789	9.1	-7	\$4,918	\$14,104	\$2,794	\$11,310	2.3	34,180
Lighting	Control Measures		21,806	5.5	-5	\$3,083	\$18,851	\$2,950	\$15,901	5.2	21,424
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	19,505	5.1	-4	\$2,757	\$16,922	\$1,865	\$15,057	5.5	19,164
ECM 4	Install High/Low Lighting Controls	Yes	2,301	0.4	0	\$325	\$1,929	\$1,085	\$844	2.6	2,261
Variable Frequency Drive (VFD) Measures			56,885	11.5	0	\$8,239	\$66,852	\$7,000	\$59,852	7.3	57,283
ECM 5	Install VFDs on Constant Volume (CV) Fans	Yes	18,960	4.9	0	\$2,746	\$21,530	\$2,200	\$19,330	7.0	19,093
ECM 6	Install VFDs on Cooling Tower Fans	Yes	7,808	-0.8	0	\$1,131	\$21,476	\$2,400	\$19,076	16.9	7,863
ECM 7	Install VFDs on WSHP Circulation Pump	Yes	30,117	7.4	0	\$4,362	\$23,846	\$2,400	\$21,446	4.9	30,327
Unitary	HVAC Measures		4,557	0.0	0	\$660	\$75,178	\$2,176	\$73,002	110.6	<mark>4,</mark> 589
ECM 8	Install High Efficiency Heat Pumps	No	4,557	0.0	0	\$660	\$75,178	\$2,176	\$73,002	110.6	4,589
Gas Hea	ting (HVAC/Process) Replacement		0	0.0	112	\$1,850	\$29,607	\$1,584	\$28,023	15.1	13,057
ECM 9	Install High Efficiency Hot Water Boilers	Yes	0	0.0	112	\$1,850	\$29,607	\$1,584	\$28,023	15.1	13,057
HVAC S	ystem Improvements		0	0.0	3	\$53	\$61	\$8	\$53	1.0	371
ECM 10	Install Pipe Insulation	Yes	0	0.0	3	\$53	\$61	\$8	\$53	1.0	371
Domest	ic Water Heating Upgrade		0	0.0	7	\$111	\$135	\$64	\$71	0.6	784
ECM 11	Install Low-Flow DHW Devices	Yes	0	0.0	7	\$111	\$135	\$64	\$71	0.6	784
Food Se	rvice & Refrigeration Measures		1,954	0.2	0	\$283	\$535	\$50	\$485	1.7	1,968
ECM 12	Vending Machine Control	Yes	1,954	0.2	0	\$283	\$535	\$50	\$485	1.7	1,968
Custom	Measures		-3,601	0.0	38	\$109	\$2,850	\$0	\$2,850	26.1	823
ECM 13	Replace Gas Fired Water Heater with Heat Pump Water Heater	No	-3,601	0.0	38	\$109	\$2,850	\$0	\$2,850	26.1	823
	TOTALS (COST EFFECTIVE MEASURES)		115,569	26.4	110	\$18,555	\$130,319	\$14,470	\$115,849	6.2	129,200
	TOTALS (ALL MEASURES)		116,524	26.4	148	\$19,324	\$208,347	\$16,646	\$191,701	9.9	134,612

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

DOT SOUTH HEADQUARTERS (CHERRY HILL)

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO2e Emissions Reduction (lbs)
Lighting Upgrades			67,454	11.9	-14	\$10,098	\$20,568	\$3,396	\$17,172	1.7	66,275
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	919	0.3	0	\$138	\$522	\$60	\$462	3.4	903
ECM 2	Retrofit Fixtures with LED Lamps	Yes	60,600	11.0	-13	\$9,072	\$16,019	\$3,336	\$12,683	1.4	59,540
ECM 3	Install LED Exit Signs	Yes	5,936	0.6	-1	\$889	\$4,027	\$0	\$4,027	4.5	5,832
Lighting Control Measures			33,899	6.1	-7	\$5,075	\$23,577	\$3,462	\$20,115	4.0	33,306
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	32,186	5.8	-7	\$4,818	\$22,475	\$2,530	\$19,945	4.1	31,623
ECM 5	Install High/Low Lighting Controls	Yes	1,712	0.3	0	\$256	\$1,102	\$932	\$171	0.7	1,682
Variable Frequency Drive (VFD) Measures			38,860	5.1	0	\$5,895	\$33,133	\$3,000	\$30,133	5.1	39,132
ECM 6	Install VFDs on Constant Volume (CV) Fans	Yes	28,607	4.3	0	\$4,340	\$16,945	\$2,700	\$14,245	3.3	28,807
ECM 7	Install VFDs on Heating Water Pumps	Yes	10,254	0.8	0	\$1,556	\$16,188	\$300	\$15,888	10.2	10,325
Domest	ic Water Heating Upgrade		1,472	0.0	0	\$223	\$101	\$48	\$53	0.2	1,482
ECM 8	Install Low-Flow DHW Devices	Yes	1,472	0.0	0	\$223	\$101	\$48	\$53	0.2	1,482
Food Se	rvice & Refrigeration Measures		1,954	0.2	0	\$296	\$535	\$50	\$485	1.6	1,968
ECM 9	Vending Machine Control	Yes	1,954	0.2	0	\$296	\$535	\$50	\$485	1.6	1,968
Custom	Measures		6,246	0.0	0	\$948	\$11,242	\$0	\$11,242	11.9	6,290
ECM 10	Replace Electric Water Heater with Heat Pump Water Heater	Yes	6,246	0.0	0	\$948	\$11,242	\$0	\$11,242	11.9	6,290
TOTALS (COST EFFECTIVE MEASURES)			149,885	23.4	-21	\$22,535	\$89,156	\$9,956	\$79,200	3.5	148,452
TOTALS (ALL MEASURES)			149,885	23.4	-21	\$22,535	\$89,156	\$9,956	\$79,200	3.5	148,452

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

ENERGY EFFICIENT BEST PRACTICES

- Reduce Air Leakage
- Close Doors and Windows
- Develop a Lighting Maintenance Schedule
- Ensure Lighting Controls
 Are Operating Properly
- Use Fans to Reduce
 Cooling Load
- Use Window
 Treatments/Coverings

- Clean and/or Replace
 HVAC filters
- Check and Seal Duct Leakage
- Perform Proper Boiler
 Maintenance
- Perform Proper Water Heater Maintenance
- Plug Load Controls
- Water Conservation

See individual reports for specific EE practices by building



EV CHARGING STATION POTENTIAL

NJCleanEnergy.com/EV



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SOLAR ENERGY GENERATION POTENTIAL - NORTH

NJCleanEnergy.com/renewable-energy



ENERGY CONSUMPTION MIX Annual Energy Use: 603,281 kWh



- <u>450 kW Carport Solar PV System</u>: The carport-mounted solar panels are strategically positioned to make the most efficient use of the parking space, maximizing the coverage of solar energy generation. This setup also works towards achieving Net Zero Energy consumption for the site.
- <u>300 kWh BESS</u>: The battery was sized to maximize the system's financial return by storing excess energy generation and discharging at peak utility cost periods. Additionally, it was sized to power the site for two hours during the event of an outage.

Equipment	Estimated Max Demand Savings	Estimated Annual Energy Generation	Estimated Annual GHG Reduction	Estimated Annual Cost Savings	Estimated Gross Project Cost	Total Incentives	Net Project Cost	Simple Payback Period ¹⁰
	(kW)	(kWh)	(MT-CO ₂ e)	(\$)	(\$)	(\$)	(\$)	(yr.)
450 kW Solar PV	21	604,794	120	\$64,167	\$2,455,075	\$1,350,291	\$1,104,784	17.2
300 kWh Battery	58	0	0	\$690	\$363,925	\$200,159	\$163,766	237.3
Total	58	604,794	120	\$64,857	\$2,819,000	\$1,550,450	\$1,268,550	19.6





tons of CO2 Offset



21,542,655

Miles Driven By Cars



142,126 Trees Planted

Project Summary Table

SOLAR ENERGY GENERATION POTENTIAL - SOUTH

NJCleanEnergy.com/renewable-energy



ENERGY CONSUMPTION MIX Annual Energy Use: 1,418,134 kWh



- 457 kW Carport Solar PV System: The carport-mounted solar panels are strategically positioned to make the most efficient use of the available parking space, maximizing the coverage of solar energy generation. The projected Solar PV system is expected to generate a total energy output of 618,113 kWh, accounting for 44% of the site's total electricity consumption for the year 2022.
- 325 kWh BESS: The battery was sized to maximize the system's financial return by storing excess energy generation and discharging at peak utility cost periods. Additionally, it was sized to power the site for one hour during the event of an outage.

Equipment	Estimated Max Demand Savings (kW)	Estimated Annual Energy Generation (kWh)	Estimated Annual GHG Reduction (MT-CO ₂ e)	Estimated Annual Cost Savings (\$)	Estimated Gross Project Cost (\$)	Total Incentives (\$)	Net Project Cost ⁸ (\$)	Simple Payback Period (yr.)	
1,060 kW Solar PV	61	1,427,182	284	\$156,897	\$5,582,293	\$3,070,261	\$2,512,032	16.0	0.606
325 kWh Battery	29	0	0	\$857	\$390,707	\$214,889	\$175,818	205.1	9,686
Total	90	1,427,182	284	\$157,755	\$5,973,000	\$3,285,150	\$2,687,850	17.0	10113 01 002 0



of CO2 Offset



Miles Driven By Cars



145,257 **Trees Planted**

FINANCING MECHANISM: ESIP

NJCleanEnergy.com/ESIP

ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

- Energy Performance Contracting = NJ ESIP Program
- A creative tool and financing mechanism that allows public entities to make energy efficiency improvements without impacting their budgets
- Administered by the NJBPU
- Project is paid for with the value of its own energy savings
- 2 Options: Lease Purchase Loan or Bond
- 15 or 20 year pay back term
- NJBPU Approved Incentive Programs
 - Utility or NJCEP
- Can be combined with Federal/State Grants
- No upfront capital expenses
- No referendum or impact to tax payers



ENERGY SAVINGS IMPROVEMENT PROGRAM

NJCleanEnergy.com/ESIP





ENERGY SAVINGS IMPROVEMENT PROGRAM

NJCleanEnergy.com/ESIP

FOR MORE INFORMATION

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STATE FACILITIES INITIATIVE (SFI)

The State Facilities Initiative (SFI)

This program is for State-owned facilities.

The program identifies and implements Energy Efficiency projects in Stateowned facilities or State-sponsored projects with the objective of producing energy and cost savings. The funding provided to the SFI is directly in line with EMP Goals 3.3.5 and 4.1.1.

EMP Goal 3.3.5 seeks to "[i]mprove energy efficiency in, and retrofit state buildings to, a high performance standard."

EMP Goal 4.1.1 addresses electrifying State facilities.



C&I ENERGY EFFICIENCY PROGRAMS

NJCleanEnergy.com



UTILITY RUN ENERGY EFFICIENCY PROGRAMS*

NJCleanEnergy.com/Transition

PRESCRIPTIVE & CUSTOM REBATES:

• Individual high efficiency equipment rebates for renovation, remodeling, and equipment replacement

- Flexibility to do a little or a lot
- No size requirement

DIRECT INSTALL:

ENERGY MANAGEMENT :

- Turn-key retrofit program to replace outdated and inefficient equipment including, lighting, HVAC, refrigeration, etc.
- The facility must have an average electric peak demand <200kW in the previous year to qualify
- Includes the Building Tune-up (BT), Retro-commissioning (RCx), and Strategic Energy Management (SEM) subprograms. These subprograms offer a comprehensive mix of custom energy-savings measures such as basic HVAC tune-ups, building systems tune-ups, controls' calibration, diagnostic testing, and installation of measures to enhance your building's energy performance and savings.

ENGINEERED SOLUTIONS:

- Comprehensive, whole-building approach to saving energy
- The facility must have an average electric peak demand >200kW in the previous year to qualify

*Other programs may be available to you. Check with your Utility Provider to see a full list of offering and what you may be qualified for.

UTILITY RUN ENERGY EFFICIENCY PROGRAMS

DOT North HQ

Electric Sirajuddin Shaikh - <u>sirshaikh@firstenergycorp.com</u> John Sousa - <u>jsousa@trccompanies.com</u>

> Gas Mike Mandzik – <u>mmandzik@njng.com</u>

DOT South HQ

Electric & Gas Dave Kirsch - <u>David.Kirsch@pseg.com</u> Steve Barba - <u>Steven.T.Barba@pseg.com</u>



LARGE ENERGY USERS

NJCleanEnergy.com/LEUP

- Large C&I entities who have paid a minimum of \$5,000,000 in the WHO previous 12 months of utility bills
- The average peak demand of all facilities submitted \geq 400kW SIZE TO and/or 4,000 DTh QUALIFY
- ABOUT • Encourages large C&I utility customers to self-invest in energy efficiency, combined heat & power, and fuel cell projects
 - Must have ability to "bank" funds for up to two fiscal years

INCENTIVE Maximum incentive per entity is the lesser of: CAP

- •\$4 million,
- •75% of total project cost, or
- 90% of NJCEP contribution or annual energy saving caps (\$0.33/kWh and \$3.75/therm)



LARGE ENERGY USERS

NJCleanEnergy.com/LEUP





FOR MORE INFORMATION

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