

Details of Sites Participating in a Particular Stewardship Activity
18) Process/Operations Energy Use Reduction
(sorted by Site Name)

The New Jersey Department of Environmental Protection provides stewardship information in order to acknowledge and therefore encourage voluntary actions that result in a positive benefit to the environment.

Results as of 02/02/2012

Number of Sites: 103

NOTES: (1) DATA - Regulated sites are surveyed about stewardship activities in 21 possible categories addressed in checklist questions numbered 3 to 23. Sites surveyed prior to the report date may not be listed here due to ongoing review related to site complexities. When review is complete a certificate will be issued to the site and it will be listed in the next published report. (2) SOURCE: The information in this report was recorded by enforcement personnel as part of compliance assurance activities. Ensuring compliance remains a primary function of DEP staff who collect the data. Compliance concerns do not automatically disqualify a site from receiving recognition for stewardship, but the Department reserves the right to exclude habitual or egregious violators. Full results of DEP compliance assurance activities including any non-compliance can be accessed through separate reports found here: http://datamine2.state.nj.us/dep/DEP_OPRA/EnfActivityDetails.htm (3) DATA QUALITY/VALIDITY: Limitations on the investment of resources to verify and document stewardship means that the level of confidence in stewardship information is lower than that for compliance information which must support cases before a court of law. The Department may take under advisement input from third parties regarding the validity or accuracy of stewardship information at listed sites. Email concerns to stewardshipdata@dep.state.nj.us. Messages should identify the report, site name and ID, and specific data elements in question as well as the basis for concern or disagreement. Site representatives with concerns about their own data should report these first to their inspector.

Stewardship Activity: 18) PROCESS/OPERATIONS ENERGY USE REDUCTION - Has the site substantially improved its energy efficiency by implementing changes in production/manufacturing operations? If yes, describe what was done, date initiated and impact on energy use.

PI Number	Site ID	Site Name	Address	Date Acknowledged	Comments
12396	7250	101 HUDSON STREET OFFICE BUILDING	101 HUDSON ST, JERSEY CITY, NJ 07302	1/30/2009	Verizon's energy conservation program promotes the responsible and cost-effective use of energy. Verizon is reducing energy use by improving the energy efficiency of Verizon buildings through innovative technology such as hypalon roofing, and researching and using alternative energy sources such as clean-burning fuel cells or micro turbines for our central offices. In 2007 alone, energy conservation efforts eliminated more than 75,000 metric tons of CO2 emissions.
NJR00000 6890	6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	6/1/2011	Upgrades and new process systems have reduced energy use from 32 watts to 28 watts. Corporate wide goals are to improve Energy Efficiency 25% by 2015 from 2005 base year.
NJR00000 6890	6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	9/8/2009	see comment entered in stewardship report dated 3/3/2008
NJR00000 6890	6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	3/3/2008	New systems have reduced energy use by 55%.
18195	18747	AES RED OAK POWER PLANT	832 RED OAK LN, SAYREVILLE, NJ 08872	7/22/2008	The Engineering Department at the facility has a Heat Rate Improvement Initiative in place which scans heat loss. This ensures heat efficiency (efficient megawatt generation) for more gas and in the past year 40 + points of heat rate improvement were found. Examples: 1.) Cycle Loss Audits - facility goes through all process loops in plant and detects leaks. 2.) Infrared scanning of switch yard and HRSG.
289832	14905	AMERICAN FUJI SEAL INC	17 STEWART PL, FAIRFIELD, NJ 07006	4/3/2008	ELECTRIC COMPRESSOR ROOM HOT AIR RECLAMATION SYSTEM

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53573	40321	ANADIGICS CO	141 MT BETHEL RD, BLDG 141 WARREN TWP, NJ 07059	11/9/2010	HVAC upgraded to Variable Frequency Drive system for Fabrication area resulting in an 8% overall decrease in total electricity usage for the facility.
NJD00245 5418	14244	ANHEUSER BUSCH INC	200 RT 1/9, NEWARK, NJ 07101	9/7/2011	A majority of the motor driven equipment at the facility has been converted over the past 10-15 years to variable frequency drives (VFD's). VFD's lower electrical energy consumption by adjusting the speed of the motor to the changing load demands. Typically VFD's consume only 25% as much energy at 50% speed then it will at 100% speed. Anheuser-Busch has estimated that this initiative has contributed to a reduction of 85,000 kwh per year in electricity purchases.
07551	14244	ANHEUSER BUSCH INC	200 RT 1/9, NEWARK, NJ 07101	3/28/2008	Heat exchangers for brew kettles, condensers installed and CO2 advanced purification distillation columns in use.
1004001	19310	AQUA NJ INC	MAIN ST, CALIFON BORO, NJ 08865	2/25/2008	Aqua NJ reports that they have changed from incandescent light bulbs to all fluorescent light bulbs at their offices.
47588	6796	ASBURY GRAPHITE MILLS INC	156 W PORTAL ASBURY RD, BETHLEHEM TWP, NJ 08827	4/8/2008	More efficient compressors purchased approximately two years ago which reduced energy usage 10% over the last two years.
0102001	12549	ATLANTIC CITY MUA	1151 N MAIN ST, PLEASANTVILLE, NJ 08232	6/24/2010	As noted in the June 2009 Stewardship checklist, whenever possible, ACMUA uses more reservoir water in place of pumped ground water which lowers electric consumption due to reduced use of groundwater pumps.
0102001	12549	ATLANTIC CITY MUA	1151 N MAIN ST, PLEASANTVILLE, NJ 08232	6/19/2009	ACMUA is using more reservoir water in place of pumped water which lowers electric consumption due to reduced use of groundwater pumps.
46088	143132	ATLANTIC CNTY UTIL AUTH	1801 ABSECON BLVD, AKA RT 30 ATLANTIC CITY, NJ 08401	11/30/2011	More efficient centrifuges and aerators installed approx. 5 years ago that require less natural gas to be used for incineration. New aerators and oxygen monitors have reduced electric use for aeration.
46088	143132	ATLANTIC CNTY UTIL AUTH	1801 ABSECON BLVD, AKA RT 30 ATLANTIC CITY, NJ 08401	9/16/2010	Approx. 4 years ago the plant was upgraded with more efficient centrifuges and aerators. The centrifuges create dryer sludge resulting in an average reduction of 20% for natural gas in the incineration process. The new aerators and associated oxygen monitors have cut electricity use for aeration by 16%.
5312	15839	BASF CORP	2 PLEASANTVIEW AVE, & PERSHING ST WASHINGTON, NJ 07882	3/3/2008	Installed boiler control upgrades, controls on agitators, and energy efficient motors
30240	2120	BAYER HEALTHCARE PHARMACEUTICALS INC	300 FAIRFIELD RD, WAYNE TWP, NJ 07470	1/30/2008	Lighting is all "green". Also installed automatic lighting where lights go out after areas are abandoned for periods of time and turn back on when someone returns. Currently redoing their heating system. One boiler eliminated and a second to be replaced by an as of yet unknown substitute, likely to be significantly more efficient.
46121	14271	BERGEN CNTY UTIL AUTH WTP & SLF	MEHRHOF RD, @ FT OF LITTLE FERRY, NJ 07643	9/18/2009	Biofuels used in all engines and boilers. Cogen system utilizes up to 80% biogas to generate electricity for plant operations.

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46121	14271	BERGEN CNTY UTIL AUTH WTP & SLF	MEHRHOF RD, @ FT OF LITTLE FERRY, NJ 07643	12/22/2008	Biofuels used in all engines and boilers. Cogen system utilizes up to 80% biogas to generate electricity for plant operations.
1601001	58948	BLOOMINGDALE BORO DPW	101 PATERSON HAMBURG TPKE, BLOOMINGDALE BORO, NJ 074031236	6/10/2010	Most municipal departments operate 4 days per week so that less energy is used in the municipal building.
46149	18599	BRASS CASTLE ESTATES WWTP	RT 579 & COOKS CROSS RD, STEVENS LN & FINN RD UNION, NJ 08867	3/12/2008	The facility converted its automatic UV filtration unit to manual. The automatic unit required an actuated pneumatic compressor to drive the pistons. The compressor is no longer needed.
005892	15824	BRISTOL MYERS SQUIBB CO	311 PENNINGTON ROCKY HILL RD, HOPEWELL TWP, NJ 08534	7/1/2009	Energy reduction opportunities are actively evaluated and pursued. The company's Information Technology team found that removing screen savers from all employees' computers in the U.S. saves about 1.9 million kilowatts of energy and \$266,000 annually. BMS Hopewell added a new research facility without a net increase in energy consumption.
46168	14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST, & 2ND AVE CAMDEN, NJ 081011432	2/8/2011	for details see entry dated 5/14/2008
46168	14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST, & 2ND AVE CAMDEN, NJ 081011432	12/9/2009	For details see entry dated 5/14/2008
46168	14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST, & 2ND AVE CAMDEN, NJ 081011432	5/14/2008	Primary tank maintenance reduced energy use in the secondary treatment system, belt thickener replacement reduced energy use in the handling of residuals; these occurred during the past three years. Oxygen plant upgrades planned during the next 12 to 24 months (contracts have been awarded) will realize a half million dollar per year energy savings; CCMUA has taken steps to reduce inflow and infiltration, which saves energy by eliminating treatment of groundwater and stormwater
47455	9385	CASA DI BERTACCHI CORP @ VINELAND IND PK	1910 GALLAGHER DR, VINELAND, NJ 08360	10/20/2009	April 2009, Boiler #2 was fitted with a "Combustion Management System". This installation reduced consumption of natural gas for an additional savings of \$5,000-\$8,000.
47455	9385	CASA DI BERTACCHI CORP @ VINELAND IND PK	1910 GALLAGHER DR, VINELAND, NJ 08360	9/8/2008	In 2007, Boiler #1 was fitted with a "Combustion Management System". Reduced consumption of natural gas yielding a savings of \$20,000 in fuel efficiency. Boiler #2 is planned to be fitted with the "Combustion Management System" in 2009.
1404001	58847	CHATHAM BORO DPW	VAN DOREN AVE, CHATHAM BORO, NJ 07928	11/13/2009	Well #1 and well #3 - well pumps replaced with high efficiency motors (95% efficiency versus old ones that were 88% efficient). Well #2 already had a high efficiency pump (91%) so wasn't upgraded. The proposed yearly electric savings per well is \$3,000 and \$5,000 respectively.
132310	93890	CLEAN EARTH OF CARTERET INC	24 MIDDLESEX AVE, CARTERET, NJ 07008	3/13/2008	Per The Facility Mgr. John Eshelman, a new roof was constructed in 2006 with clear panels installed so that on clear sunny days the lights inside the processing building do not have to be on. Mr. Eshelman also indicated that the processing building has approx. 60 lights each using 1,000 watts that are not used on sunny days.

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NJD00137 4966	11397	COSMETIC ESSENCE INC	1135 PLEASANTVIEW TER, RIDGEFIELD, NJ 07657	9/16/2008	Recently implemented "Lean Manufacturing" which addresses machine operation during down times resulting in equipment shutdowns.
189888	63148	CRESSKILL BORO HALL	67 UNION AVE, CRESSKILL BORO, NJ 07626	3/20/2008	Borough is in the process of conducting an energy audit and improve its energy efficiency.
40192	14441	CRODA SYNTHETIC CHEMICALS INC	534 S FRONT ST, ELIZABETH, NJ 07202	3/24/2010	There is a switch on the Company's 8.369 MMBTU High Pressure Cleaver Brooks Boiler that when switched to "ON" will change the Boiler from a High Pressure Boiler to a Low Pressure Boiler and thus conserve the amount of natural gas consumed in the Boiler. The switch was installed on the Cleaver Brooks Boiler within the last year. For 2008, the Boiler operated 2600 hours and consumed 7,809,100 ft ³ of natural gas. For 2009, the Boiler operated 2600 hours and consumed 7,170,000 ft ³ of natural gas. Company may have saved up to 639,000 ft ³ of natural gas in 2009 by installing the switch that lowers the pressure of the boiler so that the Boiler consumes less gas.
NJD05897 8040	28618	CRW GRAPHICS	9100 PENNSAUKEN HWY, PENNSAUKEN, NJ 08110	5/14/2008	CRW recovers waste heat from the digital printing press. The waste heat recovery system provides condition air to a wing of the printing operation. The system modulates according to heating and cooling needs. Additionally, CRW has replaced approximately 100 cathode ray tube monitors with flat screen monitors.
85452	15798	DSM NUTRITIONAL PRODUCTS INC	205 MACKS ISLAND DR , AKA ROCHE DR BELVIDERE, NJ 07823	2/8/2011	The site routinely tracks its Energy Performance in an Index and has set reduction goals of 2% per year for the next 10 years. Prior goals have been met.
NJD06752 1070	14234	EAST ORANGE GENERAL HOSPITAL	300 CENTRAL AVE, EAST ORANGE, NJ 070182819	12/2/2009	East Orange General Hospital has three (3) reciprocating engines burning natural gas for supplemental electrical power for the hospital. The heat generated from operating the engines is captured and used to provide domestic hot water to the building. EOGH's 80 S. Munn Ave. building is a certified NJ ENERGY STAR Home. The building is used as short-term housing for behavioral health hospital patients.
NJD06904 3370	14639	EMD CHEMICALS INC WINSCONSIN PHARMACAL	480 DEMOCRAT RD, GIBBSTOWN, NJ 080270070	4/22/2008	Company installed frequency-controlling devices on cooling tower electric motors in order to reduce electricity usage.
250024	22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	1/10/2011	See entry dated 2/28/08
250024	22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	2/4/2010	See entry dated 2/28/08
250024	22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	2/28/2008	Use solar energy in manufacturing
00202	14269	ENGLEWOOD HOSPITAL & MEDICAL CENTER	350 ENGLE ST, ENGLEWOOD, NJ 07631	4/24/2008	Hospital purchases fuel burning equipment with the Energy Star Label. Also, hospital has a modulator on its chiller to minimize the amount of energy used to keep the hospital cool.

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NJD01165 8481	14853	EVONIK DEGUSSA CORP	2 TURNER PL, PISCATAWAY TWP, NJ 08855	9/24/2008	Energy reduction is practiced on a weekly basis (Fridays) where all lights, air conditioning units and boilers are shut down. This has significantly reduced energy consumption. The program has proven to be a good effort in energy cost reduction and effectiveness.
78080	15856	EXELON GENERATING CO @ OYSTER CREEK NUCLEAR GENERATING STATION	741 RT 9, FORKED RIVER, NJ 08731	4/28/2008	Oyster Creek implements a program of voluntary onsite energy use reduction during periods of peak electricity consumption. An Energy Conservation Measures audit was recently conducted to identify energy efficiency items.
36149	43437	FRANKLIN TWP MUNICIPAL BUILDING	475 DEMOTT LN, SOMERSET, NJ 08873	1/5/2011	The Township has converted all traffic lights to LED
197668	43437	FRANKLIN TWP MUNICIPAL BUILDING	475 DEMOTT LN, SOMERSET, NJ 08873	6/10/2008	The Township has converted all traffic lights to LED
46743	14524	GERRESHEIMER GLASS INC	537 CRYSTAL AVE, & FOWLER ST VINELAND, NJ 08360	6/18/2008	"R" furnace conversion: Old furnace used natural gas & atmospheric air supply. New furnace is oxygas type, utilizing concentrated oxygen and natural gas, resulting in ~ 50% reduction in NOX emissions & ~30% better fuel efficiency.
46392	37477	GLOUCESTER CITY	512 MONMOUTH ST, GLOUCESTER CITY, NJ 08030	11/19/2009	Collection system pumping stations were changed to variable speed motors reducing energy usage. Final two pump stations changes were completed by August 2008. Water plant changed from set rate motor controls to step start type, reducing energy usage.
46392	37477	GLOUCESTER CITY	512 MONMOUTH ST, GLOUCESTER CITY, NJ 08030	5/14/2008	Collection system pumping stations were changed to variable speed motors reducing energy usage. Water plant changed from set rate motor controls to step start type, reducing energy usage.
NJD05811 8308	15211	HALO PHARMACEUTICALS	30 N JEFFERSON RD, HANOVER, NJ 079999998	8/28/2008	Chiller has a variable frequency drive to reduce output associated with demand.
46052	14854	HESS CORP	750 CLIFF RD, WOODBIDGE TWP, NJ 07095	2/22/2011	Vapor recovery gases captured during retail gasoline dispensing are recovered by gasoline delivery tanker trucks. The captured gas is brought back to the refinery by the tanker trucks and the recovered vapor is collected and condensed into gasoline. The vapor recovered condensed gas is delivered for retail gas dispensation along with the refined gasoline. Although minimal in comparison to the refined gasoline production the vapor recovery condensated gasoline does not need to be manufactured or discharged into the atmosphere.
07735	15751	HESS CORP NEWARK TERMINAL	1111 DELANCEY ST, NEWARK, NJ 07102	12/10/2010	Hess monitors peak electrical times and avoids conducting tank to tank loading during these peak times. By monitoring the peak electrical times, this act helps reduce the electrical load to the electrical grids at PSE&G. The Company has a 100 hp and a 300 hp pump that they use to transfer products between storage tanks. These pumps can transfer roughly 45,000 gallons/minute of product or 273,000 gallons/hr of product and can be operating anywhere between 2 and 10 hours during the tank loading process. The Company accesses the website www.pjm.com for the PJM electrical grid and looks under either Demand Response or Peak Load Information-Historical Load Data under

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					Operational Analysis to see if there is a peak load or some sort of event going on in their region that is causing a peak load to the grid. The Company will then curtail its tank to tank loading operations until there is no longer a peak load to the grid. As of earlier this year, the Company is now also gravity filling their barges instead of using pumps to load petroleum products to their ships/ barges. In 2010, the Company loaded roughly 70 to 80 barges of which maybe roughly 60+ barges were loaded by gravity fill instead of by using pumps (which would use up a lot of energy/electric to operate), to pump on petroleum products onto the barge(s).
07735	15751	HESS CORP NEWARK TERMINAL	1111 DELANCEY ST, NEWARK, NJ 07102	5/13/2009	The Company monitors peak electrical times and avoids conducting tank to tank loading during these times when there is peak electrical loading at the grids (at PSE&G). This helps reduce the load to the electrical grids (at PSE&G). The Company has a 100 and a 300 Hp pump that they use to transfer products between tanks. These pumps can transfer roughly 45,000 gallons/minute of product or 273,000 gallons/hr. of product and can be operating anywhere between 2 to 10 hrs. during the tank loading process. The Company access the website www.pjm.com and looks under either Demand Response or Peak Load Information - Historical Load Data under Operational Analysis to see if there is a peak load or some sort of event going on in their region that is causing a peak load to the grid. The Company will then curtail its tank to tank loading operations until there is no longer a peak load to the grid. PJM = Pennsylvania, Jersey Maryland and deals with the electrical grid in these states.
NJR00003 3936	59407	HESSTECH CORP @ HELLER IND PK	45 EXECUTIVE AVE, EDISON, NJ 08817	7/31/2009	Hesstech has reduced energy use by consolidating offices, keeping warehouse temperatures below 65 degrees during cooler months and using floor mats to reduce heat loss from dock plate doors.
NJD00219 1211	14243	HOFFMANN LA ROCHE INC	340 KINGSLAND ST, NUTLEY, NJ 071101199	11/19/2009	For details see previous checklist dated 6/2/2008
NJD00219 1211	14243	HOFFMANN LA ROCHE INC	340 KINGSLAND ST, NUTLEY, NJ 071101199	6/2/2008	Updating of site has resulted in a 14% energy use reduction.
32279	15094	HOFFMANN LAROCHE INC KILO LAB	50 MADISON RD, TOTOWA BORO, NJ 075121129	9/12/2011	All pumps and motors are variable speed drive. Free cooling system (computer air quality controls for massive computerization operations) allows outdoor cold air to cool inside desired rooms rather than the use of standard air conditioning. Considering the number of large rooms within the huge building, energy savings is massive. New Lighting controls system includes motion detection. Building completely revamped in 2010 to accommodate this new company.
80075	14570	HUNTERDON MEDICAL CENTER CORP	2100 WESCOTT DR, RARITAN TWP, NJ 08822	2/29/2008	They replaced all old light ballasts and installed silver screen reflectors. Also new chillers and water tower.

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NJD98075 5367	14637	JOHNSON MATTHEY INC @ MID ATLANTIC IND PK	2001 NOLTE DR, WEST DEPTFORD TWP, NJ 080861727	11/29/2010	In 2007, PHARMA had an engineering evaluation conducted to optimize operation of the RTO/acid absorber system a/k/a regenerative thermal oxidizer with an air stripper. The evaluation concluded that increasing the thermal efficiency from 89% to 92%, reducing air flow from 41,400 scfm to 32,000 scfm, reducing the operating temperature from 1,628 degrees F to 1,500 degrees F and reducing the recirculating water flow from 1,616 gpm to 800 gpm would reduce greenhouse gas (CO2) emissions by 3,045 ton/year and natural gas consumption by approximately 50 MMcf/year, as well as generating significant savings in electrical energy, thus making this an environmentally friendly project. The project was finalized in 2010.
NJD98075 5367	14637	JOHNSON MATTHEY INC @ MID ATLANTIC IND PK	2001 NOLTE DR, WEST DEPTFORD TWP, NJ 080861727	3/6/2008	Facility has reduced energy consumption by modifying air flow to thermal oxidizer thereby increasing heat recovery. Installation of hot plate timers in laboratories, motion sensor switches at various locations, and pump switches to operate equipment only when needed.
46515	15757	KEARFOTT GUIDANCE & NAVIGATION CORP PLANT #1	1150 1225 MCBRIDE AVE, WEST PATERSON, NJ 07474	8/26/2008	The facility has an ongoing program of installing programmable thermostats. The program, which started December 2005, modifies temperatures by 6 degrees F during non-working hours of 6 PM to 6 AM weekdays and 6 PM Friday to 6 AM Monday, culminating in the saving of electricity. Also the facility is replacing all incandescent light bulbs with compact fluorescent lamps to save additional energy.
481364	20547	KENILWORTH ANODIZING CO	201 S 31ST ST, KENILWORTH, NJ 07033	4/28/2009	Timers are set up on rectifiers to shut off when the oxidation process is complete. Saving on electrical consumption.
46658	12165	KRAFT FOODS GLOBAL INC	2211 RT 208, FAIR LAWN, NJ 074102696	8/17/2009	Through the KEMS approach, energy use has been reduced by 7% for 2009.
46534	37550	LAMBERTVILLE CITY MUA	LAMBERT LANE EXT, LAMBERTVILLE, NJ 08530	5/22/2008	Facility has switched to Variable Frequency Drive pumps and blowers which eliminate electrical surges and improve efficiency through optimal motor control.
46399	14591	LAMONICA FINE FOODS	48 GORTON RD, MILLVILLE, NJ 08332	1/12/2010	Installed "solar bee" solar panel in waste water lagoon for power operation
46537	9353	LANDIS SEWER AUTH WWTP & PUMP STATION	1776 S MILL RD, DEAD END OF VINELAND, NJ 08360	11/10/2011	During warmer summer months, LSA takes 1/2 the plant off line to use energy more efficiently
NJD00233 9406	14685	LANXESS SYBRON CHEMICALS INC	200 BIRMINGHAM RD, BIRMINGHAM, NJ 08011	3/14/2008	Motors and compressors are now equipped with variable frequency drivers in order to save electricity. Boiler controls upgraded to improved combustion efficiency.
NJD00182 4713	11222	LEDOUX & CO INC	359 ALFRED AVE, TEANECK, NJ 07666	3/4/2009	Site recirculates heat generated from ovens in fire assay to heat the lab area in the colder months.

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75506	14522	LEONE INDUSTRIES	443 S EAST AVE, BRIDGETON, NJ 08302	4/25/2008	a. Energy efficiency improved with the implementation of oxy-gas firing on Furnace 1 in September 1999. b. Waste heat recovery (Edmeston Particulate Control System) was implemented as part of this particulate reduction process in the new source Furnace 2 in April 1998. The process was incorporated from installations in Europe and modified for use in an oxy-gas furnace. The process relies on capturing waste heat, which would normally go to the atmosphere, by forcing the hot exhaust gasses through cullet. This process reduces glass melting energy by 10-15% in furnace 2 by reducing both oxygen and natural gas.
NJD98156 3133	14783	LP THEBAULT DIV OF EARTHCOLOR	249 POMEROY RD, PARSIPPANY-TROY HILLS TWP, NJ 07981	8/12/2010	ETI has installed state of the art Heidelberg XL presses effectively reducing the energy required per impression by approx. 10-15%.
NJD00131 8112	14986	MARCAL MFG CORP	1 MARKET ST, ELMWOOD PARK, NJ 07407	6/16/2011	Variable Speed Drives: In order to operate pumps at lower output rather than depending on a control valve to regulate flow from a pump running full out all of the time, Marcal have installed variable speed drives on larger pumps. This has saved ~1,160,000 KWH/yr so far. This year, this ongoing project will save an additional 450,000 KWH/yr. Heat Exchanger on Boilers: heat exchanger installed on the blow down water in the main boiler has saved 8,700 million BTU/yr. Installed new covering on Paper Machine Roll: The metal rolls installed in the paper machines are covered; normally with a rubber coating. Marcal opted for a more expensive (~\$38,000 more) covering material that will save \$9,200 million BTU/yr. Compressed Air: Initiated a program to aggressively eliminate leaks in the system, Marcal has saved 1.18 million KWH/yr. Building Heat: A similar program aimed at repairing broken window, walls, etc has saved 9,200 million BTU/yr. This is an ongoing program that is expected to save a total of 21,000 million BTU/yr. Operational Efficiencies: 1) 1.13 million KWH/yr by changing the operation of a pulper to run full 50% of the time instead of partially full all of the time. 2) 2.6 million KWH/yr by changing the standard operating procedure at the paper machine to run 4 vacuum pumps ; with the fifth only being turned on when it is really needed. 3) 1.6 million KWH/yr by running various motors on automatic or only when needed. 4) 13,000 million BTU/yr by maximizing the usage of the more energy efficient of two boilers.
36117	344307	METLIFE INSURANCE CO	300 DAVIDSON AVE, SOMERSET, NJ 08873	3/27/2008	The site produces an energy consumption report and has implemented changes on lighting in order to lower energy consumption.
46606	5280	MIDDLESEX CNTY UTIL AUTH WATER RECLAIM CENTER	2571 MAIN ST EXT, SAYREVILLE, NJ 088720086	6/13/2008	MCUA has a cogeneration plant which uses landfill gas to generate electricity. The cogeneration plant provides enough electricity to supply the entire wastewater plant.
47082	12911	MONMOUTH CNTY RGNL WESTERN SEWER AUTH PINE BROOK WWTP	2 UTILITY RD, MANALAPAN TWP, NJ 07726	5/5/2011	Two solar powered aerators have been installed in the effluent lagoon that have resulted in the reduction of electricity used at the plant. Other solar projects and the construction of a co-generation facility are planned.

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26215	14785	MORRISTOWN MEDICAL CENTER	100 MADISON AVE, MORRISTOWN, NJ 07969	5/14/2008	They recently installed variable-speed boilers and cooling towers. Also have installed all new lower energy lighting for their new buildings.
15059	5502	MORTON SALT @ STOLT HAVEN	920 STATE ST, PERTH AMBOY, NJ 08816	12/11/2008	Natural gas consumption has been reduced by more than 20% since the installation of a new moisture analyzer for drying salt. The analyzer allows facility to reduce natural gas consumption by drying salt properly to the correct endpoint. The analyzer signal is used to throttle back the natural gas use based on moisture level, rather than temperature.
47112	5502	MORTON SALT @ STOLT HAVEN	920 STATE ST, PERTH AMBOY, NJ 08816	4/17/2008	Morton Salt participates in the NJ Clean energy program. The lighting throughout the plant was replaced with energy efficient bulbs. Moisture analyzers were installed for their salt dryers to reduce energy use.
07734	14931	MOTIVA ENTERPRISES NEWARK TERMINAL #13055	909 DELANCEY ST, NEWARK, NJ 07105	11/16/2010	Electricity conservation has been achieved using the Pump-Smart System, which controls electricity demand of pumps thus reducing electricity consumption.
46649	10657	MOUNT LAUREL TWP MUA HARTFORD ROAD WWTP	200 PIKE RD , & HARTFORD RD MOUNT LAUREL TWP, NJ 08054	4/29/2008	VFD units at pump stations to reduce electrical consumption
190451	4930	MULTI PLASTICS EXTRUSIONS INC	30 PRODUCTION WAY, AVENEL, NJ 07001	1/5/2011	Manufacturing equipment has been upgraded to include several variable frequency drives. Also, participation in the Load Shedding Program with Energy Curtailment Services has allowed the facility to contribute in a program that balances supply and demand and ensures stability of the electric grid during specific periods of the day during peak months throughout the summer.
02904	169286	NBC UNIVERSAL CNBC @ 1 CNBC PLAZA	900 SYLVAN AVE, 2ND FLR ENGLEWOOD CLIFFS, NJ 07632	2/3/2010	- NBC Universal employees instructed via mass email to "Turn Off" off their PC's, monitors, TV's, and accent lighting when they are leaving for the day/night. In addition, activated company wide "Sleep Mode" and energy saving shutdowns. - Daily inspections of the facility to ensure all lights are off. - There are some departments that are now consolidating workspace locations. This is performed by having two users utilize one workstation thus reducing the necessity for related utilities without sacrificing production.
2095P	32537	NIPRO GLASS AMERICAS CORP	1101 WHEATON AVE, 1401 & 1633 WHEATON AVE MILLVILLE, NJ 08332	12/3/2009	Added a new transformer for the electric furnaces to reduce energy usage.
47044	37766	NJ AMERICAN WATER CO INC POTTERSVILLE STP	MCCANS MILL RD, TEWKSBURY TWP, NJ 07979	4/4/2011	As a result of a recent plant upgrade, the treatment plant utilizes several Variable Frequency Drive (VFD) pumps which are ~ 30 % more efficient than non VFD pumps.
47709	15865	NJDM&VA AIR NATIONAL GUARD 177TH FIGHTER GROUP @ ATLANTIC CITY INTNL AIRPORT	400 LANGLEY RD, EGG HARBOR TWP, NJ 082349500	9/15/2009	See details entered for 8/28/2009 inspection report.
47709	15865	NJDM&VA AIR NATIONAL GUARD 177TH FIGHTER GROUP @ ATLANTIC CITY INTNL AIRPORT	400 LANGLEY RD, EGG HARBOR TWP, NJ 082349500	8/28/2008	Based on the same 4 day work schedule the facility's overall energy usage (HVAC & lighting needs) has been reduced. Signs have been posted in common areas and are placed on all light switches as a reminder for everyone, not just employees, to "turn off lights prior to exiting" a room. In addition, a reminder email is sent to all employees to shut off their lights and power down their computers. *These activities became effective in January 2008.

PI Number	Site ID	Site Name	Address	Date Acknowledged	Comments
55779	14548	NJ ROWAN UNIVERSITY	201 MULLICA HILL RD, & ROWAN BLVD GLASSBORO, NJ 08028	8/23/2011	High Efficiency Upgrades: Central Heat Plant upgraded to high-efficiency boilers, chilled water production has been centralized, and a new high-efficiency Cogen Turbine system with Heat Recovery is in operation. CFL Exchange Program: Rowan implemented a CFL Exchange Program in the fall of 2010 for students living in campus housing that provided a one-for-one exchange of compact fluorescent bulbs for incandescent bulbs. The benefit was a reduction in electric use associated with the change which also translates into a reduction in greenhouse gas emissions from power plants.
55779	14548	NJ ROWAN UNIVERSITY	201 MULLICA HILL RD, & ROWAN BLVD GLASSBORO, NJ 08028	5/30/2008	Central Heat Plant upgraded to high-efficiency boilers. Chilled Water Production has been centralized. Cogeneration Facility has been upgraded and in the process of commissioning & startup.
46725	15650	OCEAN CNTY UTIL AUTH SWPCF	150 CEDAR RUN DOCK RD, CEDAR RUN, NJ 08050	2/9/2011	There was a piping modification made that now allows the plant's final effluent to flow by gravity through the ocean outfall pipe and to its final discharge point in the Atlantic Ocean. Prior to this modification the effluent had to be pumped through the ocean outfall pipe. The most recent financial data available indicates that there has been a 30% reduction in the plant's electricity use as the ocean outfall pump usage went from 100% to 5%. The projected annual savings in dollars at the current cost of electricity is approximately \$231,000.00.
48791	14466	ORTHO CLINICAL DIAGNOSTICS	1001 RT 202, RARITAN, NJ 08869	12/23/2010	In 2007, the Ortho Diagnostics Systems Inc. completed a significant combined heat and power (CHP) project that included a 1.5 MW gas-fired turbine and heat recovery steam generator. Combined heat and power, or "Cogeneration". Their Cogeneration equipment supplies forty percent (40%) of the facility's electricity and seventy-five percent (75%) of its steam demand. The project was endorsed by the New Jersey Board of Public Utilities' Clean Energy Program, and supports New Jersey's goals of enhancing energy efficiency and reducing existing and new demands to the electric power grid. The project was also designed to satisfy the criteria for the US Environmental Protection Agency's ENERGY STAR CHP Award.
48791	14466	ORTHO CLINICAL DIAGNOSTICS	1001 RT 202, RARITAN, NJ 08869	3/24/2008	In 2007, the Ortho Diagnostics Systems Inc. completed a significant combined heat and power (CHP) project that included a 1.5 MW gas-fired turbine and heat recovery steam generator. Combined heat and power, or "Cogeneration". Their Cogeneration equipment supplies forty percent (40%) of the facility's electricity and seventy-five percent (75%) of its steam demand. The project was endorsed by the New Jersey Board of Public Utilities' Clean Energy Program, and supports New Jersey's goals of enhancing energy efficiency and reducing existing and new demands to the electric power grid. The project was also designed to satisfy the criteria for the US Environmental Protection Agency's ENERGY STAR CHP Award.

PI Number	Site ID	Site Name	Address	Date Acknowledged	Comments
NJD00220 1705	1238	PHELPS DODGE SPECIALTY COPPER PRODUCTS	48 94 BAYWAY AVE, & S FRONT ST ELIZABETH, NJ 07207	3/24/2009	Energy conservation measures are as follows: 1 - plant lighting has been replaced from 150 kw 75 kw, reducing energy used to light up the facility 2 - replaced/removed obsolete equipment (i.e. CRO Systems, old valves, piping replaced), which has reduced the energy required to run them. 3 - energy cost has significantly reduced because they converted from 200 HP usage to a 40 HP usage. They also eliminated their old boiler, which reduced their energy usage. More details can be obtained by the facility representatives.
160417	58306	PITMAN BORO DPW	110 S BROADWAY, PITMAN, NJ 08071	2/2/2010	Potable systems: Pitman changed motor control center (MCC) to VFD set-up and soft start systems, lowering energy usage at well #4 (installed in 2006) & well #3 sites (installed summer 2009).
G0000218 27	14343	PORT AUTH NY/NJ GEORGE WASHINGTON BRIDGE BUS STATION	220 BRIDGE PLAZA, FORT LEE, NJ 07088	11/19/2009	Replaced of lighting on the George Washington bridge with more energy efficient LED lighting.
00000038 834	8510	PSE&G	80 PARK PLAZA, ROOM 8317 NEWARK, NJ 071024194	11/23/2009	Energy Efficiency projects completed or underway have achieved over \$700 K savings in operational costs, which has resulted in reduce carbon emissions from PSE&G's operations. This is part of the Corporate Carbon Reduction Target to reduce PSE&G's 2005 footprint 25% by 2025.
155758	61847	RAMBLING PINES DAY CAMP	LAMBERTVILLE HOPEWELL TPKE, AKA RT 518 HOPEWELL, NJ 08525	2/28/2008	energy saving thermostats have been installed in the facility's buildings
01508	11653	RECKITT & BENCKISER INC	1 PHILIPS PKWY, MONTVALE, NJ 07645	11/4/2009	Piping insulation and variable speed fans installed on all lab hoods greatly saving on wasted heat production.
01508	11653	RECKITT & BENCKISER INC	1 PHILIPS PKWY, MONTVALE, NJ 07645	5/2/2008	As part of a world-wide corporate effort, Reckitt Benckiser Inc. plans to reduce their CO2 emissions and energy use over the next year by 10%. At this particular site they have committed the money to complete the following projects by July/08, some of which has already been incorporated. Solar panels being installed to reduce energy by 10%. A cogen system will be installed by July to reduce the dependency on their boilers. All new energy-saving lighting throughout the entire building just installed. Piping insulation and variable speed fans installed on all their lab hoods greatly saving on wasted heat production. Also obtaining video conferencing equipment to reduce world-wide travel by 5%.
NJR00003 0593	19661	REDKEYS DIES	1307 MARKET ST, GLOUCESTER CITY, NJ 08030	4/24/2008	Nightly shutdown of all machinery, lights and computers. lighting fixtures are on motion sensors.
NJD05028 6053	15145	SANDVIK PROCESS SYSTEMS INC	21 CAMPUS RD, TOTOWA BORO, NJ 075120000	5/28/2009	As part of the Environmental objectives for 2009, Sandvik has installed programmable thermostats to decrease Natural Gas usage. Sandvik expects 3% reduction. Sandvik also has improved efficiency in production processes. For instance, in the past a single layer of metal belt was hot-pressed. Now, two (2) metal belts are hot pressed at a time.

PI Number	Site ID	Site Name	Address	Date Acknowledged	Comments
NJD10865 7016	14748	SANDY ALEXANDER INC	200 ENTIN RD, CLIFTON, NJ 070141423	12/17/2010	Purchased a new Sheetfed press which uses fewer resources. When renovating the warehouse to include their new company Sandy Wide, the SA company set up the compressed air system with a closed loop to save on energy used to get air throughout the facility.
30422	14748	SANDY ALEXANDER INC	200 ENTIN RD, CLIFTON, NJ 070141423	7/30/2008	A new energy efficient, state of the art, regenerative thermal oxidizer with the capacity to handle all three web presses was purchased and installed in 2006, replacing two existing oxidizers. Significant reduction in gas and electric usage has been achieved. Energy efficiency contractor was hired to determine areas where changes would result in energy savings. Requests for capital expenditures were submitted and suggestions for selected improvements are being implemented.
48079	15703	SANOFI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	3/19/2010	See entry dated 3/20/09
48079	15703	SANOFI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	3/20/2009	See entry dated 1/25/2008
48079	15703	SANOFI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	1/25/2008	Utilize cleaner energy sources. Site operation with cogeneration reduces CO2 by about 13.2 %.
41806	14432	SCHERING CORP	2000 GALLOPING HILL RD, KENILWORTH, NJ 07033	8/4/2010	Yes, site has executed 10-20 projects each year for the past several years to improve energy efficiency. Since 2005, site has reduced annual power consumption by ~10%. In 2009, Schering implemented the Demand Response Program. Schering reduces energy use during peak demand hours when requested by the energy provider.
160669	14573	SIX FLAGS GREAT ADVENTURE PARK & SAFARI	575 MONMOUTH RD, AKA RT 537 JACKSON TWP, NJ 08527	11/19/2009	Replacement of lights on historic ferris wheel with LED high efficiency bulbs, as well as other replacements throughout the site which has resulted in savings of 53,000 KWH annually
46190	12891	SONY MUSIC ENTERTAINMENT INC	400 N WOODBURY AVE, & LAMBS RD PITMAN, NJ 08071	10/13/2010	Charts have been provided, showing that they were able to increase production and reduce energy consumption through their lighting changes, specifically powering down equipment when not in use.
214760	123927	SOUTH HARRISON TWP MUNICIPAL BUILDING	664 HARRISONVILLE RD, HARRISONVILLE, NJ 08039	10/14/2008	1) converted the public works garage and ambulance bulding to natural gas from propane and heating oil. 2) started a 4 day work week for energy saving purposes to the heating and air conditioning in the municipal building.
10193	14882	SPARTECH POLYCOM INC	113 PASSAIC AVE, KEARNY, NJ 07032	5/28/2009	The Company in 2008 to help conserve energy replaced a very old chiller with 2 cooling towers. The cooling towers are more efficient and therefore conserve and use less energy. Prior to the change from the chiller to the two cooling towers, the Company used roughly 4,831,501 kWh. between April 2007 to April of 2008 with a monthly average of 652,625 kWh. After the change from the chiller to the two cooling towers, the Company used roughly 4,385,447 KWh. between April 2008 to April of 2009 with a monthly average of 365,465 kWh. Company calculated an energy savings of 446,054 kWh. since the Company changed from using a chiller to using two water cooling towers.

PI Number	Site ID	Site Name	Address	Date Acknowledged	Comments
31669	15681	ST JOSEPHS HOSPITAL & MEDICAL CENTER	703 MAIN ST, PATERSON, NJ 075030000	7/27/2010	NEW - 1) St. Joseph's replaced their 182 existing 10 amp photo copiers with new 8 amp photo copiers to reduce energy use. 2) St. Joseph's participates in PSE&G's energy curtailment program where upon request by PSE&G they cut back on power usage at the site. They have been tested twice and demonstrated the ability to reduce power usage by 500 kW per hour. They started participating in the program in 2009 and have been asked to reduce power for the program on at least one occasion.
52824	30634	ST LAWRENCE CEMENT CO INC @ S JERSEY PORT AUTH	595 MORGAN BLVD, & BROADWAY CAMDEN, NJ 08104	3/17/2008	On January 1, 2008, the facility started a new energy conservation program in hope of reducing electrical energy demand by at least two kilowatts per hour/per ton. The facility installed timer switches for exterior lighting, motion detectors for interior lighting and sent memos to all employees reminding them to shut off all un-needed electrical appliances/components when not in use. The facility also encourages employees to shut off all unused power strips to eliminate phantom power usage.
46948	15822	STONY BROOK RGNL SEWER AUTH RIVER ROAD STP	290 RIVER RD, PRINCETON TWP, NJ 08540	2/9/2010	Variable frequency drives VFD for return pumps and pump stations new energy efficient motors installed in the modified aeration system
46948	15822	STONY BROOK RGNL SEWER AUTH RIVER ROAD STP	290 RIVER RD, PRINCETON TWP, NJ 08540	2/20/2008	Variable frequency drives VFD for return pumps and pump stations
202131	50969	STRATFORD BORO DPW & SEWER AUTH STP	307 UNION AVE, STRATFORD, NJ 08084	9/16/2010	Yes. "Soft start" electrical controls installed on two pumping stations (PS), PS #1 in the summer of 2007 & PS #2 in the summer of 2008. Changing to these controls reduces electricity usage at the stations.
41959	14453	SUMMIT PROPERTY CO	556 MORRIS AVE, SUMMIT, NJ 07901	3/16/2011	The Site Energy Team at Summit Property/Merck has implemented the following energy efficiency measures: 1) Laboratory hood face velocity reduction 2) Laboratory hood sash program (educating the scientists about the importance of keeping hood sashes closed).
41959	14453	SUMMIT PROPERTY CO	556 MORRIS AVE, SUMMIT, NJ 07901	5/21/2009	The Site Energy Team at the facility has implemented the following energy efficiency measures: 1) Laboratory hood face velocity reduction 2) Laboratory hood sash program (educating the scientists about the importance of keeping hood sashes closed).
165211	118758	THE WILLOW SCHOOL	1150 POTTERSVILLE RD, BEDMINSTER TWP, NJ 07921	5/6/2008	All artificial lighting is controlled by sensors & the HVAC system is computer-controlled.
85483	125075	TRANSISTOR DEVICES INC PLANT #2 @ IND PK	36 NEWBURGH RD, WASHINGTON TWP, NJ 07869	8/27/2008	The site has implemented a plan to reduce electrical power consumption. From data collected so far for 2008, consumption is down 4.5% from where it was in 2007. Facility specifically has implemented changes to the buildings thermostats, which are set to automatically turn down at night, as well as on the weekends. In addition the lights in the production area are set on a timer.
25032	3599	TRI STATE QUIKRETE	150 GOLD MINE RD, FLANDERS, NJ 07836	4/17/2008	Equipment is always replaced with something that is more energy efficient, including electric motors, starters etc.
5373	7280	TROPICANA DOLE PRODUCTS INC	9 E LINDEN AVE, JERSEY CITY, NJ 073050000	6/9/2008	Reduced energy costs for natural gas by approximately 60%. Reduced electric costs by 25%.

PI Number	Site ID	Site Name	Address	Date Acknowledged	Comments
05459	14917	TROY CHEMICAL INC	1 AVE L, NEWARK, NJ 07105	6/23/2010	Troy has implemented several process changes for the reduction of energy use. Mr. Capasso stated that Process examples include fixing steam line leaks & insulating piping. The reduction of energy use is tracked in an internal Fuel Oil Consumption Report .
NJD00214 4517	14917	TROY CHEMICAL INC	1 AVE L, NEWARK, NJ 07105	3/12/2008	Troy has implemented several process and operational changes for the reduction of energy use. Mr. Capasso stated that Process examples include fixing steam line leaks & insulating piping; Operational examples include purchasing & installing an Energy Star Air Conditioner & increasing the number of energy efficient lighting throughout the plant. The reduction of energy use is tracked in an internal Fuel Oil Consumption Report (Attachment A).
47012	15863	UNIMIN CO DIVIDING CREEK PLANT	1100 WHITEHEAD RD, DIVIDING CREEK, NJ 08315	4/9/2008	During the summer months, the site maintains electric curtailment during peak hours when the temperature is high. The plant runs its operations at night during non peak hours. The impact of reducing the amount of electricity equates to less emissions generated by electric companies.
NJ000020 2655	11864	UNITED WATER CO NJ	200 LAKESHORE DR, HAWORTH, NJ 07041	3/30/2011	For the last 2 years, UWNJ makes Ozone by using liquid oxygen instead of pulling in ambient air using Air Prep. Equipment. The removal of the equipment has reduced the amount of electricity used at the plant.
46800	5335	UNITED WATER CO PRINCETON MEADOWS	31 MAPLE AVE, PLAINSBORO, NJ 08536	4/7/2011	Influent sewage pumps, sludge transfer pumps and rotary drum thickener pumps have been retrofitted with variable frequency drives for optimal energy efficiency. Motors are replaced with energy efficient motors when replaced. Most outdoor lights have been retrofitted with motion sensors. Indoor lights are turned off when not in use; heat settings placed on low at night.
00402	11477	VERSA PRODUCTS CO INC	22 SPRING VALLEY RD, PARAMUS, NJ 07657	3/19/2008	-in 2006 the company reduced its energy use for the entire building---they participated in an energy survey conducted by Lehigh & installed energy efficient compressor & heaters
NJD00248 2545	14410	VIKING YACHT CO	5738 RT 9, & BASS RIVER NEW GRETN, NJ 08224	4/15/2008	Timers on various lighting systems and equipment; on-going for ten years.
46096	37376	VILLAGE SQUARE	STROTZ RD & MILLBROOK LN, UNION, NJ 088270000	3/12/2008	The facility has switched to utilizing air from a blower already in use instead of running an air compressor in addition to the blower. An energy savings has also been realized by not running the well as discussed under "Water Use Reduction."
35886	15924	VISION AGFA	50 MEISTER AVE, BRANCBURG TWP, NJ 08876	9/13/2011	Yes. 2009 average electric/gas usage 3.51 kwh/m2. 2010 average electric/gas usage 3.09 kwh/m2. 2011 average electric/gas usage 3 kwh/m2. Lighting replacement with LEDs, turning off equipment, thermal oxidizers, etc when not in use. Making process improvements. In process of installing dry chiller; savings of 640,000 kwh/yr.
35886	15924	VISION AGFA	50 MEISTER AVE, BRANCBURG TWP, NJ 08876	7/9/2009	Facility now turns off equipment and gas when not in use for manufacturing. Lighting has been changed to LED lights in packaging areas.
47071	15219	WELKIND NEUROLOGICAL HOSPITAL	201 PLEASANT HILL RD, CHESTER TWP, NJ 07930	3/13/2008	All electrical wiring and outlets have been updated for higher efficiency.

PI Number	Site ID	Site Name	Address	Date Acknowledged	Comments
60283	6192	WEST WINDSOR PLAINSBORO RGNL SD W WINDSOR HIGH SCHOOL	346 CLARKSVILLE RD, WEST WINDSOR TWP, NJ 08550	11/19/2009	The school has instituted the energy conservation measure of dimming hallway lights during after-school activities.
26704	406365	WYNDHAM WORLDWIDE CORPORATE HEADQUARTERS	22 SYLVAN WAY, PARSIPPANY, NJ 07054	2/18/2010	74% of equipment and appliances are Energy Star rated.

Details of Sites Participating in a Particular Stewardship Activity

18) Process/Operations Energy Use Reduction

(sorted by Acknowledged Date)

The New Jersey Department of Environmental Protection provides stewardship information in order to acknowledge and therefore encourage voluntary actions that result in a positive benefit to the environment

Results as of 02/02/2012

Number of Sites: 103

NOTES: (1) DATA - Regulated sites are surveyed about stewardship activities in 21 possible categories addressed in checklist questions numbered 3 to 23. Sites surveyed prior to the report date may not be listed here due to ongoing review related to site complexities. When review is complete a certificate will be issued to the site and it will be listed in the next published report. (2) SOURCE: The information in this report was recorded by enforcement personnel as part of compliance assurance activities. Ensuring compliance remains a primary function of DEP staff who collect the data. Compliance concerns do not automatically disqualify a site from receiving recognition for stewardship, but the Department reserves the right to exclude habitual or egregious violators. Full results of DEP compliance assurance activities including any non-compliance can be accessed through separate reports found here: http://datamine2.state.nj.us/dep/DEP_OPRA/EnfActivityDetails.htm

(3) DATA QUALITY/VALIDITY: Limitations on the investment of resources to verify and document stewardship means that the level of confidence in stewardship information is lower than that for compliance information which must support cases before a court of law. The Department may take under advisement input from third parties regarding the validity or accuracy of stewardship information at listed sites. Email concerns to stewardshipdata@dep.state.nj.us.

Messages should identify the report, site name and ID, and specific data elements in question as well as the basis for concern or disagreement. Site representatives with concerns about their own data should report these first to their inspector.

Stewardship Activity: 18) PROCESS/OPERATIONS ENERGY USE REDUCTION - Has the site substantially improved its energy efficiency by implementing changes in production/manufacturing operations? If yes, describe what was done, date initiated and impact on energy use.

Site ID	Site Name	Address	Date Acknowledged	Comments
143132	ATLANTIC CNTY UTIL AUTH	1801 ABSECON BLVD, AKA RT 30 ATLANTIC CITY, NJ 08401	11/30/2011	More efficient centrifuges and aerators installed approx. 5 years ago that require less natural gas to be used for incineration. New aerators and oxygen monitors have reduced electric use for aeration.
9353	LANDIS SEWER AUTH WWTP & PUMP STATION	1776 S MILL RD, DEAD END OF VINELAND, NJ 08360	11/10/2011	During warmer summer months, LSA takes 1/2 the plant off line to use energy more efficiently
15924	VISION AGFA	50 MEISTER AVE, BRANCHBURG TWP, NJ 08876	9/13/2011	Yes. 2009 average electric/gas usage 3.51 kwh/m2. 2010 average electric/gas usage 3.09 kwh/m2. 2011 average electric/gas usage 3 kwh/m2. Lighting replacement with LEDs, turning off equipment, thermal oxidizers, etc when not in use. Making process improvements. In process of installing dry chiller; savings of 640,000 kwh/yr.
15094	HOFFMANN LAROCHE INC KILO LAB	50 MADISON RD, TOTOWA BORO, NJ 075121129	9/12/2011	All pumps and motors are variable speed drive. Free cooling system (computer air quality controls for massive computerization operations) allows outdoor cold air to cool inside desired rooms rather than the use of standard air conditioning. Considering the number of large rooms within the huge building, energy savings is massive. New Lighting controls system includes motion detection. Building completely revamped in 2010 to accommodate this new company.
14244	ANHEUSER BUSCH INC	200 RT 1/9, NEWARK, NJ 07101	9/7/2011	A majority of the motor driven equipment at the facility has been converted over the past 10-15 years to variable frequency drives (VFD's). VFD's lower electrical energy consumption by adjusting the speed of the motor to the changing load demands. Typically VFD's consume only 25% as much energy at 50% speed then it will at 100% speed. Anheuser-Busch has estimated that this initiative has contributed to a reduction of 85,000 kwh per year in electricity purchases.

Site ID	Site Name	Address	Date Acknowledged	Comments
14548	NJ ROWAN UNIVERSITY	201 MULLICA HILL RD, & ROWAN BLVD GLASSBORO, NJ 08028	8/23/2011	High Efficiency Upgrades: Central Heat Plant upgraded to high-efficiency boilers, chilled water production has been centralized, and a new high-efficiency Cogen Turbine system with Heat Recovery is in operation. CFL Exchange Program: Rowan implemented a CFL Exchange Program in the fall of 2010 for students living in campus housing that provided a one-for-one exchange of compact fluorescent bulbs for incandescent bulbs. The benefit was a reduction in electric use associated with the change which also translates into a reduction in greenhouse gas emissions from power plants.
14986	MARCAL MFG CORP	1 MARKET ST, ELMWOOD PARK, NJ 07407	6/16/2011	Variable Speed Drives: In order to operate pumps at lower output rather than depending on a control valve to regulate flow from a pump running full out all of the time, Marcal have installed variable speed drives on larger pumps. This has saved ~1,160,000 KWH/yr so far. This year, this ongoing project will save an additional 450,000 KWH/yr. Heat Exchanger on Boilers: heat exchanger installed on the blow down water in the main boiler has saved 8,700 million BTU/yr. Installed new covering on Paper Machine Roll: The metal rolls installed in the paper machines are covered; normally with a rubber coating. Marcal opted for a more expensive (~\$38,000 more) covering material that will save \$9,200 million BTU/yr. Compressed Air: Initiated a program to aggressively eliminate leaks in the system, Marcal has saved 1.18 million KWH/yr. Building Heat: A similar program aimed at repairing broken window, walls, etc has saved 9,200 million BTU/yr. This is an ongoing program that is expected to save a total of 21,000 million BTU/yr. Operational Efficiencies: 1) 1.13 million KWH/yr by changing the operation of a pulper to run full 50% of the time instead of partially full all of the time. 2) 2.6 million KWH/yr by changing the standard operating procedure at the paper machine to run 4 vacuum pumps ; with the fifth only being turned on when it is really needed. 3) 1.6 million KWH/yr by running various motors on automatic or only when needed. 4) 13,000 million BTU/yr by maximizing the usage of the more energy efficient of two boilers.
6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	6/1/2011	Upgrades and new process systems have reduced energy use from 32 watts to 28 watts. Corporate wide goals are to improve Energy Efficiency 25% by 2015 from 2005 base year.
12911	MONMOUTH CNTY RGNL WESTERN SEWER AUTH PINE BROOK WWTP	2 UTILITY RD, MANALAPAN TWP, NJ 07726	5/5/2011	Two solar powered aerators have been installed in the effluent lagoon that have resulted in the reduction of electricity used at the plant. Other solar projects and the construction of a co-generation facility are planned.
5335	UNITED WATER CO PRINCETON MEADOWS	31 MAPLE AVE, PLAINSBORO, NJ 08536	4/7/2011	Influent sewage pumps, sludge transfer pumps and rotary drum thickener pumps have been retrofitted with variable frequency drives for optimal energy efficiency. Motors are replaced with energy efficient motors when replaced. Most outdoor lights have been retrofitted with motion sensors. Indoor lights are turned off when not in use; heat settings placed on low at night.
37766	NJ AMERICAN WATER CO INC POTTERSVILLE STP	MCCANS MILL RD, TEWKSBURY TWP, NJ 07979	4/4/2011	As a result of a recent plant upgrade, the treatment plant utilizes several Variable Frequency Drive (VFD) pumps which are ~ 30 % more efficient than non VFD pumps.
11864	UNITED WATER CO NJ	200 LAKESHORE DR, HAWORTH, NJ 07041	3/30/2011	For the last 2 years, UWNJ makes Ozone by using liquid oxygen instead of pulling in ambient air using Air Prep. Equipment. The removal of the equipment has reduced the amount of electricity used at the plant.
14453	SUMMIT PROPERTY CO	556 MORRIS AVE, SUMMIT, NJ 07901	3/16/2011	The Site Energy Team at Summit Property/Merck has implemented the following energy efficiency measures: 1) Laboratory hood face velocity reduction 2) Laboratory hood sash program (educating the scientists about the importance of keeping hood sashes closed).
14854	HESS CORP	750 CLIFF RD, WOODBIDGE TWP, NJ 07095	2/22/2011	Vapor recovery gases captured during retail gasoline dispensing are recovered by gasoline delivery tanker trucks. The captured gas is brought back to the refinery by the tanker trucks and the recovered vapor is collected and condensed into gasoline. The vapor recovered condensed gas is delivered for retail gas dispensation along with the refined gasoline. Although minimal in comparison to the refined gasoline production the vapor recovery condensated gasoline does not need to be manufactured or discharged into the atmosphere.

Site ID	Site Name	Address	Date Acknowledged	Comments
15650	OCEAN CNTY UTIL AUTH SWPCF	150 CEDAR RUN DOCK RD, CEDAR RUN, NJ 08050	2/9/2011	There was a piping modification made that now allows the plant's final effluent to flow by gravity through the ocean outfall pipe and to its final discharge point in the Atlantic Ocean. Prior to this modification the effluent had to be pumped through the ocean outfall pipe. The most recent financial data available indicates that there has been a 30% reduction in the plant's electricity use as the ocean outfall pump usage went from 100% to 5%. The projected annual savings in dollars at the current cost of electricity is approximately \$231,000.00.
14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST. & 2ND AVE CAMDEN, NJ 081011432	2/8/2011	for details see entry dated 5/14/2008
15798	DSM NUTRITIONAL PRODUCTS INC	205 MACKS ISLAND DR , AKA ROCHE DR BELVIDERE, NJ 07823	2/8/2011	The site routinely tracks its Energy Performance in an Index and has set reduction goals of 2% per year for the next 10 years. Prior goals have been met.
22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	1/10/2011	See entry dated 2/28/08
4930	MULTI PLASTICS EXTRUSIONS INC	30 PRODUCTION WAY, AVENEL, NJ 07001	1/5/2011	Manufacturing equipment has been upgraded to include several variable frequency drives. Also, participation in the Load Shedding Program with Energy Curtailment Services has allowed the facility to contribute in a program that balances supply and demand and ensures stability of the electric grid during specific periods of the day during peak months throughout the summer.
43437	FRANKLIN TWP MUNICIPAL BUILDING	475 DEMOTT LN, SOMERSET, NJ 08873	1/5/2011	The Township has converted all traffic lights to LED
14466	ORTHO CLINICAL DIAGNOSTICS	1001 RT 202, RARITAN, NJ 08869	12/23/2010	In 2007, the Ortho Diagnostics Systems Inc. completed a significant combined heat and power (CHP) project that included a 1.5 MW gas-fired turbine and heat recovery steam generator. Combined heat and power, or "Cogeneration". Their Cogeneration equipment supplies forty percent (40%) of the facility's electricity and seventy-five percent (75%) of its steam demand. The project was endorsed by the New Jersey Board of Public Utilities' Clean Energy Program, and supports New Jersey's goals of enhancing energy efficiency and reducing existing and new demands to the electric power grid. The project was also designed to satisfy the criteria for the US Environmental Protection Agency's ENERGY STAR CHP Award.
14748	SANDY ALEXANDER INC	200 ENTIN RD, CLIFTON, NJ 070141423	12/17/2010	Purchased a new Sheetfed press which uses fewer resources. When renovating the warehouse to include their new company Sandy Wide, the SA company set up the compressed air system with a closed loop to save on energy used to get air throughout the facility.

Site ID	Site Name	Address	Date Acknowledged	Comments
15751	HESS CORP NEWARK TERMINAL	1111 DELANCEY ST, NEWARK, NJ 07102	12/10/2010	Hess monitors peak electrical times and avoids conducting tank to tank loading during these peak times. By monitoring the peak electrical times, this act helps reduce the electrical load to the electrical grids at PSE&G. The Company has a 100 hp and a 300 hp pump that they use to transfer products between storage tanks. These pumps can transfer roughly 45,000 gallons/minute of product or 273,000 gallons/hr of product and can be operating anywhere between 2 and 10 hours during the tank loading process. The Company accesses the website www.pjm.com for the PJM electrical grid and looks under either Demand Response or Peak Load Information-Historical Load Data under Operational Analysis to see if there is a peak load or some sort of event going on in their region that is causing a peak load to the grid. The Company will then curtail its tank to tank loading operations until there is no longer a peak load to the grid. As of earlier this year, the Company is now also gravity filling their barges instead of using pumps to load petroleum products to their ships/ barges. In 2010, the Company loaded roughly 70 to 80 barges of which maybe roughly 60+ barges were loaded by gravity fill instead of by using pumps (which would use up a lot of energy/electric to operate), to pump on petroleum products onto the barge(s).
14637	JOHNSON MATTHEY INC @ MID ATLANTIC IND PK	2001 NOLTE DR, WEST DEPTFORD TWP, NJ 080861727	11/29/2010	In 2007, PHARMA had an engineering evaluation conducted to optimize operation of the RTO/acid absorber system a/k/a regenerative thermal oxidizer with an air stripper. The evaluation concluded that increasing the thermal efficiency from 89% to 92%, reducing air flow from 41,400 scfm to 32,000 scfm, reducing the operating temperature from 1,628 degrees F to 1,500 degrees F and reducing the recirculating water flow from 1,616 gpm to 800 gpm would reduce greenhouse gas (CO2) emissions by 3,045 ton/year and natural gas consumption by approximately 50 MMcf/year, as well as generating significant savings in electrical energy, thus making this an environmentally friendly project. The project was finalized in 2010.
14931	MOTIVA ENTERPRISES NEWARK TERMINAL #13055	909 DELANCEY ST, NEWARK, NJ 07105	11/16/2010	Electricity conservation has been achieved using the Pump-Smart System, which controls electricity demand of pumps thus reducing electricity consumption.
40321	ANADIGICS CO	141 MT BETHEL RD, BLDG 141 WARREN TWP, NJ 07059	11/9/2010	HVAC upgraded to Variable Frequency Drive system for Fabrication area resulting in an 8% overall decrease in total electricity usage for the facility.
12891	SONY MUSIC ENTERTAINMENT INC	400 N WOODBURY AVE, & LAMBS RD PITMAN, NJ 08071	10/13/2010	Charts have been provided, showing that they were able to increase production and reduce energy consumption through their lighting changes, specifically powering down equipment when not in use.
50969	STRATFORD BORO DPW & SEWER AUTH STP	307 UNION AVE, STRATFORD, NJ 08084	9/16/2010	Yes. "Soft start" electrical controls installed on two pumping stations (PS), PS #1 in the summer of 2007 & PS #2 in the summer of 2008. Changing to these controls reduces electricity usage at the stations.
143132	ATLANTIC CNTY UTIL AUTH	1801 ABSECON BLVD, AKA RT 30 ATLANTIC CITY, NJ 08401	9/16/2010	Approx. 4 years ago the plant was upgraded with more efficient centrifuges and aerators. The centrifuges create dryer sludge resulting in an average reduction of 20% for natural gas in the incineration process. The new aerators and associated oxygen monitors have cut electricity use for aeration by 16%.
14783	LP THEBAULT DIV OF EARTHCOLOR	249 POMEROY RD, PARSIPPANY-TROY HILLS TWP, NJ 07981	8/12/2010	ETI has installed state of the art Heidelberg XL presses effectively reducing the energy required per impression by approx. 10-15%.
14432	SCHERING CORP	2000 GALLOPING HILL RD, KENILWORTH, NJ 07033	8/4/2010	Yes, site has executed 10-20 projects each year for the past several years to improve energy efficiency. Since 2005, site has reduced annual power consumption by ~10%. In 2009, Schering implemented the Demand Response Program. Schering reduces energy use during peak demand hours when requested by the energy provider.

Site ID	Site Name	Address	Date Acknowledged	Comments
15681	ST JOSEPHS HOSPITAL & MEDICAL CENTER	703 MAIN ST, PATERSON, NJ 075030000	7/27/2010	NEW - 1) St. Joseph's replaced their 182 existing 10 amp photo copiers with new 8 amp photo copiers to reduce energy use. 2) St. Joseph's participates in PSE&G's energy curtailment program where upon request by PSE&G they cut back on power usage at the site. They have been tested twice and demonstrated the ability to reduce power usage by 500 kW per hour. They started participating in the program in 2009 and have been asked to reduce power for the program on at least one occasion.
12549	ATLANTIC CITY MUA	1151 N MAIN ST, PLEASANTVILLE, NJ 08232	6/24/2010	As noted in the June 2009 Stewardship checklist, whenever possible, ACMUA uses more reservoir water in place of pumped ground water which lowers electric consumption due to reduced use of groundwater pumps.
14917	TROY CHEMICAL INC	1 AVE L, NEWARK, NJ 07105	6/23/2010	Troy has implemented several process changes for the reduction of energy use. Mr. Capasso stated that Process examples include fixing steam line leaks & insulating piping. The reduction of energy use is tracked in an internal Fuel Oil Consumption Report .
58948	BLOOMINGDALE BORO DPW	101 PATERSON HAMBURG TPKE, BLOOMINGDALE BORO, NJ 074031236	6/10/2010	Most municipal departments operate 4 days per week so that less energy is used in the municipal building.
14441	CRODA SYNTHETIC CHEMICALS INC	534 S FRONT ST, ELIZABETH, NJ 07202	3/24/2010	There is a switch on the Company's 8.369 MMBTU High Pressure Cleaver Brooks Boiler that when switched to "ON" will change the Boiler from a High Pressure Boiler to a Low Pressure Boiler and thus conserve the amount of natural gas consumed in the Boiler. The switch was installed on the Cleaver Brooks Boiler within the last year. For 2008, the Boiler operated 2600 hours and consumed 7,809,100 ft ³ of natural gas. For 2009, the Boiler operated 2600 hours and consumed 7,170,000 ft ³ of natural gas. Company may have saved up to 639,000 ft ³ of natural gas in 2009 by installing the switch that lowers the pressure of the boiler so that the Boiler consumes less gas.
15703	SANOFI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	3/19/2010	See entry dated 3/20/09
406365	WYNDHAM WORLDWIDE CORPORATE HEADQUARTERS	22 SYLVAN WAY, PARSIPPANY, NJ 07054	2/18/2010	74% of equipment and appliances are Energy Star rated.
15822	STONY BROOK RGNL SEWER AUTH RIVER ROAD STP	290 RIVER RD, PRINCETON TWP, NJ 08540	2/9/2010	Variable frequency drives VFD for return pumps and pump stations new energy efficient motors installed in the modified aeration system
22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	2/4/2010	See entry dated 2/28/08
169286	NBC UNIVERSAL CNBC @ 1 CNBC PLAZA	900 SYLVAN AVE, 2ND FLR ENGLEWOOD CLIFFS, NJ 07632	2/3/2010	- NBC Universal employees instructed via mass email to "Turn Off" off their PC's, monitors, TV's, and accent lighting when they are leaving for the day/night. In addition, activated company wide "Sleep Mode" and energy saving shutdowns. - Daily inspections of the facility to ensure all lights are off. - There are some departments that are now consolidating workspace locations. This is performed by having two users utilize one workstation thus reducing the necessity for related utilities without sacrificing production.
58306	PITMAN BORO DPW	110 S BROADWAY, PITMAN, NJ 08071	2/2/2010	Potable systems: Pitman changed motor control center (MCC) to VFD set-up and soft start systems, lowering energy usage at well #4 (installed in 2006) & well #3 sites (installed summer 2009).
14591	LAMONICA FINE FOODS	48 GORTON RD, MILLVILLE, NJ 08332	1/12/2010	Installed "solar bee" solar panel in waste water lagoon for power operation

Site ID	Site Name	Address	Date Acknowledged	Comments
14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST. & 2ND AVE CAMDEN, NJ 081011432	12/9/2009	For details see entry dated 5/14/2008
32537	NIPRO GLASS AMERICAS CORP	1101 WHEATON AVE, 1401 & 1633 WHEATON AVE MILLVILLE, NJ 08332	12/3/2009	Added a new transformer for the electric furnaces to reduce energy usage.
14234	EAST ORANGE GENERAL HOSPITAL	300 CENTRAL AVE, EAST ORANGE, NJ 070182819	12/2/2009	East Orange General Hospital has three (3) reciprocating engines burning natural gas for supplemental electrical power for the hospital. The heat generated from operating the engines is captured and used to provide domestic hot water to the building. EOGH's 80 S. Munn Ave. building is a certified NJ ENERGY STAR Home. The building is used as short-term housing for behavioral health hospital patients.
8510	PSE&G	80 PARK PLAZA, ROOM 8317 NEWARK, NJ 071024194	11/23/2009	Energy Efficiency projects completed or underway have achieved over \$700 K savings in operational costs, which has resulted in reduce carbon emissions from PSE&G's operations. This is part of the Corporate Carbon Reduction Target to reduce PSE&G's 2005 footprint 25% by 2025.
6192	WEST WINDSOR PLAINSBORO RGNL SD W WINDSOR HIGH SCHOOL	346 CLARKSVILLE RD, WEST WINDSOR TWP, NJ 08550	11/19/2009	The school has instituted the energy conservation measure of dimming hallway lights during after-school activities.
14243	HOFFMANN LA ROCHE INC	340 KINGSLAND ST, NUTLEY, NJ 071101199	11/19/2009	For details see previous checklist dated 6/2/2008
14343	PORT AUTH NY/NJ GEORGE WASHINGTON BRIDGE BUS STATION	220 BRIDGE PLAZA, FORT LEE, NJ 07088	11/19/2009	Replaced of lighting on the George Washington bridge with more energy efficient LED lighting.
14573	SIX FLAGS GREAT ADVENTURE PARK & SAFARI	575 MONMOUTH RD, AKA RT 537 JACKSON TWP, NJ 08527	11/19/2009	Replacement of lights on historic ferris wheel with LED high efficiency bulbs, as well as other replacements throughout the site which has resulted in savings of 53,000 KWH annually
37477	GLOUCESTER CITY	512 MONMOUTH ST, GLOUCESTER CITY, NJ 08030	11/19/2009	Collection system pumping stations were changed to variable speed motors reducing energy usage. Final two pump stations changes were completed by August 2008. Water plant changed from set rate motor controls to step start type, reducing energy usage.
58847	CHATHAM BORO DPW	VAN DOREN AVE, CHATHAM BORO, NJ 07928	11/13/2009	Well #1 and well #3 - well pumps replaced with high efficiency motors (95% efficiency versus old ones that were 88% efficient). Well #2 already had a high efficiency electric pump (91%) so wasn't upgraded. The proposed yearly electric savings per well is \$3,000 and \$5,000 respectively.
11653	RECKITT & BENCKISER INC	1 PHILIPS PKWY, MONTVALE, NJ 07645	11/4/2009	Piping insulation and variable speed fans installed on all lab hoods greatly saving on wasted heat production.
9385	CASA DI BERTACCHI CORP @ VINELAND IND PK	1910 GALLAGHER DR, VINELAND, NJ 08360	10/20/2009	April 2009, Boiler #2 was fitted with a "Combustion Management System". This installation reduced consumption of natural gas for an additional savings of \$5,000-\$8,000.
14271	BERGEN CNTY UTIL AUTH WTP & SLF	MEHRHOF RD, @ FT OF LITTLE FERRY, NJ 07643	9/18/2009	Biofuels used in all engines and boilers. Cogen system utilizes up to 80% biogas to generate electricity for plant operations.
15865	NJDM&VA AIR NATIONAL GUARD 177TH FIGHTER GROUP @ ATLANTIC CITY INTNL AIRPORT	400 LANGLEY RD, EGG HARBOR TWP, NJ 082349500	9/15/2009	See details entered for 8/28/2009 inspection report.
6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	9/8/2009	see comment entered in stewardship report dated 3/3/2008

Site ID	Site Name	Address	Date Acknowledged	Comments
12165	KRAFT FOODS GLOBAL INC	2211 RT 208, FAIR LAWN, NJ 074102696	8/17/2009	Through the KEMS approach, energy use has been reduced by 7% for 2009.
59407	HESSTECH CORP @ HELLER IND PK	45 EXECUTIVE AVE, EDISON, NJ 08817	7/31/2009	Hesstech has reduced energy use by consolidating offices, keeping warehouse temperatures below 65 degrees during cooler months and using floormats to reduce heat loss from dock plate doors.
15924	VISION AGFA	50 MEISTER AVE, BRANCHBURG TWP, NJ 08876	7/9/2009	Facility now turns off equipment and gas when not in use for manufacturing. Lighting has been changed to LED lights in packaging areas.
15824	BRISTOL MYERS SQUIBB CO	311 PENNINGTON ROCKY HILL RD, HOPEWELL TWP, NJ 08534	7/1/2009	Energy reduction opportunities are actively evaluated and pursued. The company's Information Technology team found that removing screen savers from all employees' computers in the U.S. saves about 1.9 million kilowatts of energy and \$266,000 annually. BMS Hopewell added a new research facility without a net increase in energy consumption.
12549	ATLANTIC CITY MUA	1151 N MAIN ST, PLEASANTVILLE, NJ 08232	6/19/2009	ACMUA is using more reservoir water in place of pumped water which lowers electric consumption due to reduced use of groundwater pumps.
14882	SPARTECH POLYCOM INC	113 PASSAIC AVE, KEARNY, NJ 07032	5/28/2009	The Company in 2008 to help conserve energy replaced a very old chiller with 2 cooling towers. The cooling towers are more efficient and therefore conserve and use less energy. Prior to the change from the chiller to the two cooling towers, the Company used roughly 4,831,501 kWh. between April 2007 to April of 2008 with a monthly average of 652,625 kWh. After the change from the chiller to the two cooling towers, the Company used roughly 4,385,447 kWh. between April 2008 to April of 2009 with a monthly average of 365,465 kWh. Company calculated an energy savings of 446,054 kWh. since the Company changed from using a chiller to using two water cooling towers.
15145	SANDVIK PROCESS SYSTEMS INC	21 CAMPUS RD, TOTOWA BORO, NJ 075120000	5/28/2009	As part of the Environmental objectives for 2009, Sandvik has installed programmable thermostats to decrease Natural Gas usage. Sandvik expects 3% reduction. Sandvik also has improved efficiency in production processes. For instance, in the past a single layer of metal belt was hot-pressed. Now, two (2) metal belts are hot pressed at a time.
14453	SUMMIT PROPERTY CO	556 MORRIS AVE, SUMMIT, NJ 07901	5/21/2009	The Site Energy Team at the facility has implemented the following energy efficiency measures: 1) Laboratory hood face velocity reduction 2) Laboratory hood sash program (educating the scientists about the importance of keeping hood sashes closed).
15751	HESS CORP NEWARK TERMINAL	1111 DELANCEY ST, NEWARK, NJ 07102	5/13/2009	The Company monitors peak electrical times and avoids conducting tank to tank loading during these times when there is peak electrical loading at the grids (at PSE&G). This helps reduce the load to the electrical grids (at PSE&G). The Company has a 100 and a 300 Hp pump that they use to transfer products between tanks. These pumps can transfer roughly 45,000 gallons/minute of product or 273,000 gallons/hr. of product and can be operating anywhere between 2 to 10 hrs. during the tank loading process. The Company access the website www.pjm.com and looks under either Demand Response or Peak Load Information - Historical Load Data under Operational Analysis to see if there is a peak load or some sort of event going on in their region that is causing a peak load to the grid. The Company will then curtail its tank to tank loading operations until there is no longer a peak load to the grid. PJM = Pennsylvania, Jersey Maryland and deals with the electrical grid in these states.
20547	KENILWORTH ANODIZING CO	201 S 31ST ST, KENILWORTH, NJ 07033	4/28/2009	Timers are set up on rectifiers to shut off when the oxidation process is complete. Saving on electrical consumption.

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1238	PHELPS DODGE SPECIALTY COPPER PRODUCTS	48 94 BAYWAY AVE, & S FRONT ST ELIZABETH, NJ 07207	3/24/2009	Energy conservation measures are as follows: 1 - plant lighting has been replaced from 150 kw 75 kw, reducing energy used to light up the facility 2 - replaced/removed obsolete equipment (i.e. CRO Systems, old valves, piping replaced), which has reduced the energy required to run them. 3 - energy cost has significantly reduced because they converted from 200 HP usage to a 40 HP usage. They also eliminated their old boiler, which reduced their energy usage. More details can be obtained by the facility representatives.
15703	SANOVI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	3/20/2009	See entry dated 1/25/2008
11222	LEDOUX & CO INC	359 ALFRED AVE, TEANECK, NJ 07666	3/4/2009	Site recirculates heat generated from ovens in fire assay to heat the lab area in the colder months.
7250	101 HUDSON STREET OFFICE BUILDING	101 HUDSON ST, JERSEY CITY, NJ 07302	1/30/2009	Verizon's energy conservation program promotes the responsible and cost-effective use of energy. Verizon is reducing energy use by improving the energy efficiency of Verizon buildings through innovative technology such as hypalon roofing, and researching and using alternative energy sources such as clean-burning fuel cells or micro turbines for our central offices. In 2007 alone, energy conservation efforts eliminated more than 75,000 metric tons of CO2 emissions.
14271	BERGEN CNTY UTIL AUTH WTP & SLF	MEHRHOF RD, @ FT OF LITTLE FERRY, NJ 07643	12/22/2008	Biofuels used in all engines and boilers. Cogen system utilizes up to 80% biogas to generate electricity for plant operations.
5502	MORTON SALT @ STOLT HAVEN	920 STATE ST, PERTH AMBOY, NJ 08816	12/11/2008	Natural gas consumption has been reduced by more than 20% since the installation of a new moisture analyzer for drying salt. The analyzer allows facility to reduce natural gas consumption by drying salt properly to the correct endpoint. The analyzer signal is used to throttle back the natural gas use based on moisture level, rather than temperature.
123927	SOUTH HARRISON TWP MUNICIPAL BUILDING	664 HARRISONVILLE RD, HARRISONVILLE, NJ 08039	10/14/2008	1) converted the public works garage and ambulance bulding to natural gas from propane and heating oil. 2) started a 4 day work week for energy saving purposes to the heating and air conditioning in the municipal building.
14853	EVONIK DEGUSSA CORP	2 TURNER PL, PISCATAWAY TWP, NJ 08855	9/24/2008	Energy reduction is practiced on a weekly basis (Fridays) where all lights, air conditioning units and boilers are shut down. This has significantly reduced energy consumption. The program has proven to be a good effort in energy cost reduction and effectiveness.
11397	COSMETIC ESSENCE INC	1135 PLEASANTVIEW TER, RIDGEFIELD, NJ 07657	9/16/2008	Recently implemented "Lean Manufacturing" which addresses machine operation during down times resulting in equipment shutdowns.
9385	CASA DI BERTACCHI CORP @ VINELAND IND PK	1910 GALLAGHER DR, VINELAND, NJ 08360	9/8/2008	In 2007, Boiler #1 was fitted with a "Combustion Management System". Reduced consumption of natural gas yielding a savings of \$20,000 in fuel efficiency. Boiler #2 is planned to be fitted with the "Combustion Management System" in 2009.
15211	HALO PHARMACEUTICALS	30 N JEFFERSON RD, HANOVER, NJ 079999998	8/28/2008	Chiller has a variable frequency drive to reduce output associated with demand.
15865	NJDM&VA AIR NATIONAL GUARD 177TH FIGHTER GROUP @ ATLANTIC CITY INTNL AIRPORT	400 LANGLEY RD, EGG HARBOR TWP, NJ 082349500	8/28/2008	Based on the same 4 day work schedule the facility's overall energy usage (HVAC & lighting needs) has been reduced. Signs have been posted in common areas and are placed on all light switches as a reminder for everyone, not just employees, to "turn off lights prior to exiting" a room. In addition, a reminder email is sent to all employees to shut off their lights and power down their computers. *These activities became effective in January 2008.

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125075	TRANSISTOR DEVICES INC PLANT #2 @ IND PK	36 NEWBURGH RD, WASHINGTON TWP, NJ 07869	8/27/2008	The site has implemented a plan to reduce electrical power consumption. From data collected so far for 2008, consumption is down 4.5% from where it was in 2007. Facility specifically has implemented changes to the buildings thermostats, which are set to automatically turn down at night, as well as on the weekends. In addition the lights in the production area are set on a timer.
15757	KEARFOTT GUIDANCE & NAVIGATION CORP PLANT #1	1150 1225 MCBRIDE AVE, WEST PATERSON, NJ 07474	8/26/2008	The facility has an ongoing program of installing programmable thermostats. The program, which started December 2005, modifies temperatures by 6 degrees F during non-working hours of 6 PM to 6 AM weekdays and 6 PM Friday to 6 AM Monday, culminating in the saving of electricity. Also the facility is replacing all incandescent light bulbs with compact fluorescent lamps to save additional energy.
14748	SANDY ALEXANDER INC	200 ENTIN RD, CLIFTON, NJ 070141423	7/30/2008	A new energy efficient, state of the art, regenerative thermal oxidizer with the capacity to handle all three web presses was purchased and installed in 2006, replacing two existing oxidizers. Significant reduction in gas and electric usage has been achieved. Energy efficiency contractor was hired to determine areas where changes would result in energy savings. Requests for capital expenditures were submitted and suggestions for selected improvements are being implemented.
18747	AES RED OAK POWER PLANT	832 RED OAK LN, SAYREVILLE, NJ 08872	7/22/2008	The Engineering Department at the facility has a Heat Rate Improvement Initiative in place which scans heat loss. This ensures heat efficiency (efficient megawatt generation) for more gas and in the past year 40 + points of heat rate improvement were found. Examples: 1.) Cycle Loss Audits - facility goes through all process loops in plant and detects leaks. 2.) Infrared scanning of switch yard and HRSG.
14524	GERRESHEIMER GLASS INC	537 CRYSTAL AVE, & FOWLER ST VINELAND, NJ 08360	6/18/2008	"R" furnace conversion: Old furnace used natural gas & atmospheric air supply. New furnace is oxygas type, utilizing concentrated oxygen and natural gas, resulting in ~ 50% reduction in NOX emissions & ~30% better fuel efficiency.
5280	MIDDLESEX CNTY UTIL AUTH WATER RECLAIM CENTER	2571 MAIN ST EXT, SAYREVILLE, NJ 088720086	6/13/2008	MCUA has a cogeneration plant which uses landfill gas to generate electricity. The cogeneration plant provides enough electricity to supply the entire wastewater plant.
43437	FRANKLIN TWP MUNICIPAL BUILDING	475 DEMOTT LN, SOMERSET, NJ 08873	6/10/2008	The Township has converted all traffic lights to LED
7280	TROPICANA DOLE PRODUCTS INC	9 E LINDEN AVE, JERSEY CITY, NJ 073050000	6/9/2008	Reduced energy costs for natural gas by approximately 60%. Reduced electric costs by 25%.
14243	HOFFMANN LA ROCHE INC	340 KINGSLAND ST, NUTLEY, NJ 071101199	6/2/2008	Updating of site has resulted in a 14% energy use reduction.
14548	NJ ROWAN UNIVERSITY	201 MULLICA HILL RD, & ROWAN BLVD GLASSBORO, NJ 08028	5/30/2008	Central Heat Plant upgraded to high-efficiency boilers. Chilled Water Production has been centralized. Cogeneration Facility has been upgraded and in the process of commissioning & startup.
37550	LAMBERTVILLE CITY MUA	LAMBERT LANE EXT, LAMBERTVILLE, NJ 08530	5/22/2008	Facility has switched to Variable Frequency Drive pumps and blowers which eliminate electrical surges and improve efficiency through optimal motor control.
14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST, & 2ND AVE CAMDEN, NJ 081011432	5/14/2008	Primary tank maintenance reduced energy use in the secondary treatment system, belt thickener replacement reduced energy use in the handling of residuals; these occurred during the past three years. Oxygen plant upgrades planned during the next 12 to 24 months (contracts have been awarded) will realize a half million dollar per year energy savings; CCMUA has taken steps to reduce inflow and infiltration, which saves energy by eliminating treatment of groundwater and stormwater
14785	MORRISTOWN MEDICAL CENTER	100 MADISON AVE, MORRISTOWN, NJ 07969	5/14/2008	They recently installed variable-speed boilers and cooling towers. Also have installed all new lower energy lighting for their new buildings.

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28618	CRW GRAPHICS	9100 PENNSAUKEN HWY, PENNSAUKEN, NJ 08110	5/14/2008	CRW recovers waste heat from the digital printing press. The waste heat recovery system provides condition air to a wing of the printing operation. The system modulates according to heating and cooling needs. Additionally, CRW has replaced approximately 100 cathode ray tube monitors with flat screen monitors.
37477	GLOUCESTER CITY	512 MONMOUTH ST, GLOUCESTER CITY, NJ 08030	5/14/2008	Collection system pumping stations were changed to variable speed motors reducing energy usage. Water plant changed from set rate motor controls to step start type, reducing energy usage.
118758	THE WILLOW SCHOOL	1150 POTTERSVILLE RD, BEDMINSTER TWP, NJ 07921	5/6/2008	All artificial lighting is controlled by sensors & the HVAC system is computer-controlled.
11653	RECKITT & BENCKISER INC	1 PHILIPS PKWY, MONTVALE, NJ 07645	5/2/2008	As part of a world-wide corporate effort, Reckitt Benckiser Inc. plans to reduce their CO2 emissions and energy use over the next year by 10%. At this particular site they have committed the money to complete the following projects by July/08, some of which has already been incorporated. Solar panels being installed to reduce energy by 10%. A cogen system will be installed by July to reduce the dependency on their boilers. All new energy-saving lighting throughout the entire building just installed. Piping insulation and variable speed fans installed on all their lab hoods greatly saving on wasted heat production. Also obtaining video conferencing equipment to reduce world-wide travel by 5%.
10657	MOUNT LAUREL TWP MUA HARTFORD ROAD WWTP	200 PIKE RD , & HARTFORD RD MOUNT LAUREL TWP, NJ 08054	4/29/2008	VFD units at pump stations to reduce electrical consumption
15856	EXELON GENERATING CO @ OYSTER CREEK NUCLEAR GENERATING STATION	741 RT 9 , FORKED RIVER, NJ 08731	4/28/2008	Oyster Creek implements a program of voluntary onsite energy use reduction during periods of peak electricity consumption. An Energy Conservation Measures audit was recently conducted to identify energy efficiency items.
14522	LEONE INDUSTRIES	443 S EAST AVE, BRIDGETON, NJ 08302	4/25/2008	a. Energy efficiency improved with the implementation of oxy-gas firing on Furnace 1 in September 1999. b. Waste heat recovery (Edmeston Particulate Control System) was implemented as part of this particulate reduction process in the new source Furnace 2 in April 1998. The process was incorporated from installations in Europe and modified for use in an oxy-gas furnace. The process relies on capturing waste heat, which would normally go to the atmosphere, by forcing the hot exhaust gasses through cullet. This process reduces glass melting energy by 10-15% in furnace 2 by reducing both oxygen and natural gas.
14269	ENGLEWOOD HOSPITAL & MEDICAL CENTER	350 ENGLE ST, ENGLEWOOD, NJ 07631	4/24/2008	Hospital purchases fuel burning equipment with the Energy Star Label. Also, hospital has a modulator on its chiller to minimize the amount of energy used to keep the hospital cool.
19661	REDKEYS DIES	1307 MARKET ST, GLOUCESTER CITY, NJ 08030	4/24/2008	Nightly shutdown of all machinery, lights and computers. lighting fixtures are on motion sensors.
14639	EMD CHEMICALS INC WINSCONSIN PHARMACAL	480 DEMOCRAT RD, GIBBSTOWN, NJ 080270070	4/22/2008	Company installed frequency-controlling devices on cooling tower electric motors in order to reduce electricity usage.
3599	TRI STATE QUIKRETE	150 GOLD MINE RD, FLANDERS, NJ 07836	4/17/2008	Equipment is always replaced with something that is more energy efficient, including electric motors, starters etc.
5502	MORTON SALT @ STOLT HAVEN	920 STATE ST, PERTH AMBOY, NJ 08816	4/17/2008	Morton Salt participates in the NJ Clean energy program. The lighting throughout the plant was replaced with energy efficient bulbs. Moisture analyzers were installed for their salt dryers to reduce energy use.
14410	VIKING YACHT CO	5738 RT 9, & BASS RIVER NEW GRETN, NJ 08224	4/15/2008	Timers on various lighting systems and equipment; on-going for ten years.

Site ID	Site Name	Address	Date Acknowledged	Comments
15863	UNIMIN CO DIVIDING CREEK PLANT	1100 WHITEHEAD RD, DIVIDING CREEK, NJ 08315	4/9/2008	During the summer months, the site maintains electric curtailment during peak hours when the temperature is high. The plant runs its operations at night during non peak hours. The impact of reducing the amount of electricity equates to less emissions generated by electric companies.
6796	ASBURY GRAPHITE MILLS INC	156 W PORTAL ASBURY RD, BETHLEHEM TWP, NJ 08827	4/8/2008	More efficient compressors purchased approximately two years ago which reduced energy usage 10% over the last two years.
14905	AMERICAN FUJI SEAL INC	17 STEWART PL, FAIRFIELD, NJ 07006	4/3/2008	ELECTRIC COMPRESSOR ROOM HOT AIR RECLAMATION SYSTEM
14244	ANHEUSER BUSCH INC	200 RT 1/9, NEWARK, NJ 07101	3/28/2008	Heat exchangers for brew kettles, condensers installed and CO2 advanced purification distillation columns in use.
344307	METLIFE INSURANCE CO	300 DAVIDSON AVE, SOMERSET, NJ 08873	3/27/2008	The site produces an energy consumption report and has implemented changes on lighting in order to lower energy consumption.
14466	ORTHO CLINICAL DIAGNOSTICS	1001 RT 202, RARITAN, NJ 08869	3/24/2008	In 2007, the Ortho Diagnostics Systems Inc. completed a significant combined heat and power (CHP) project that included a 1.5 MW gas-fired turbine and heat recovery steam generator. Combined heat and power, or "Cogeneration". Their Cogeneration equipment supplies forty percent (40%) of the facility's electricity and seventy-five percent (75%) of its steam demand. The project was endorsed by the New Jersey Board of Public Utilities' Clean Energy Program, and supports New Jersey's goals of enhancing energy efficiency and reducing existing and new demands to the electric power grid. The project was also designed to satisfy the criteria for the US Environmental Protection Agency's ENERGY STAR CHP Award.
63148	CRESSKILL BORO HALL	67 UNION AVE, CRESSKILL BORO, NJ 07626	3/20/2008	Borough is in the process of conducting an energy audit and improve its energy efficiency.
11477	VERSA PRODUCTS CO INC	22 SPRING VALLEY RD, PARAMUS, NJ 07657	3/19/2008	-in 2006 the company reduced its energy use for the entire building---they participated in an energy survey conducted by Lehigh & installed energy efficient compressor & heaters
30634	ST LAWRENCE CEMENT CO INC @ S JERSEY PORT AUTH	595 MORGAN BLVD, & BROADWAY CAMDEN, NJ 08104	3/17/2008	On January 1, 2008, the facility started a new energy conservation program in hope of reducing electrical energy demand by at least two kilowatts per hour/per ton. The facility installed timer switches for exterior lighting, motion detectors for interior lighting and sent memos to all employees reminding them to shut off all un-needed electrical appliances/components when not in use. The facility also encourages employees to shut off all unused power strips to eliminate phantom power usage.
14685	LANXESS SYBRON CHEMICALS INC	200 BIRMINGHAM RD, BIRMINGHAM, NJ 08011	3/14/2008	Motors and compressors are now equipped with variable frequency drivers in order to save electricity. Boiler controls upgraded to improved combustion efficiency.
15219	WELKIND NEUROLOGICAL HOSPITAL	201 PLEASANT HILL RD, CHESTER TWP, NJ 07930	3/13/2008	All electrical wiring and outlets have been updated for higher efficiency.
93890	CLEAN EARTH OF CARTERET INC	24 MIDDLESEX AVE, CARTERET, NJ 07008	3/13/2008	Per The Facility Mgr. John Eshelman, a new roof was constructed in 2006 with clear panels installed so that on clear sunny days the lights inside the processing building do not have to be on. Mr. Eshelman also indicated that the processing building has approx. 60 lights each using 1,000 watts that are not used on sunny days.

Site ID	Site Name	Address	Date Acknowledged	Comments
14917	TROY CHEMICAL INC	1 AVE L, NEWARK, NJ 07105	3/12/2008	Troy has implemented several process and operational changes for the reduction of energy use. Mr. Capasso stated that Process examples include fixing steam line leaks & insulating piping; Operational examples include purchasing & installing an Energy Star Air Conditioner & increasing the number of energy efficient lighting throughout the plant. The reduction of energy use is tracked in an internal Fuel Oil Consumption Report (Attachment A).
18599	BRASS CASTLE ESTATES WWTP	RT 579 & COOKS CROSS RD, STEVENS LN & FINN RD UNION, NJ 08867	3/12/2008	The facility converted its automatic UV filtration unit to manual. The automatic unit required an actuated pneumatic compressor to drive the pistons. The compressor is no longer needed.
37376	VILLAGE SQUARE	STROTZ RD & MILLBROOK LN, UNION, NJ 088270000	3/12/2008	The facility has switched to utilizing air from a blower already in use instead of running an air compressor in addition to the blower. An energy savings has also been realized by not running the well as discussed under "Water Use Reduction."
14637	JOHNSON MATTHEY INC @ MID ATLANTIC IND PK	2001 NOLTE DR, WEST DEPTFORD TWP, NJ 080861727	3/6/2008	Facility has reduced energy consumption by modifying air flow to thermal oxidizer thereby increasing heat recovery. Installation of hot plate timers in laboratories, motion sensor switches at various locations, and pump switches to operate equipment only when needed.
6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	3/3/2008	New systems have reduced energy use by 55%.
15839	BASF CORP	2 PLEASANTVIEW AVE, & PERSHING ST WASHINGTON, NJ 07882	3/3/2008	Installed boiler control upgrades, controls on agitators, and energy efficient motors
14570	HUNTERDON MEDICAL CENTER CORP	2100 WESCOTT DR, RARITAN TWP, NJ 08822	2/29/2008	They replaced all old light ballasts and installed silver screen reflectors. Also new chillers and water tower.
22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	2/28/2008	Use solar energy in manufacturing
61847	RAMBLING PINES DAY CAMP	LAMBERTVILLE HOPEWELL TPKE, AKA RT 518 HOPEWELL, NJ 08525	2/28/2008	energy saving thermostats have been installed in the facility's buildings
19310	AQUA NJ INC	MAIN ST, CALIFON BORO, NJ 08865	2/25/2008	Aqua NJ reports that they have changed from incandescent light bulbs to all fluorescent light bulbs at their offices.
15822	STONY BROOK RGNL SEWER AUTH RIVER ROAD STP	290 RIVER RD, PRINCETON TWP, NJ 08540	2/20/2008	Variable frequency drives VFD for return pumps and pump stations
2120	BAYER HEALTHCARE PHARMACEUTICALS INC	300 FAIRFIELD RD, WAYNE TWP, NJ 07470	1/30/2008	Lighting is all "green". Also installed automatic lighting where lights go out after areas are abandoned for periods of time and turn back on when someone returns. Currently redoing their heating system. One boiler eliminated and a second to be replaced by an as of yet unknown substitute, likely to be significantly more efficient.
15703	SANOFI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	1/25/2008	Utilize cleaner energy sources. Site operation with cogeneration reduces CO2 by about 13.2 %.

Details of Sites Participating in a Particular Stewardship Activity

18) Process/Operations Energy Use Reduction

(sorted by County)

The New Jersey Department of Environmental Protection provides stewardship information in order to acknowledge and therefore encourage voluntary actions that result in a positive benefit to the environment.

Results as of 02/02/2012

Number of Sites: 103

NOTES: (1) DATA - Regulated sites are surveyed about stewardship activities in 21 possible categories addressed in checklist questions numbered 3 to 23. Sites surveyed prior to the report date may not be listed here due to ongoing review related to site complexities. When review is complete a certificate will be issued to the site and it will be listed in the next published report. (2) SOURCE: The information in this report was recorded by enforcement personnel as part of compliance assurance activities. Ensuring compliance remains a primary function of DEP staff who collect the data. Compliance concerns do not automatically disqualify a site from receiving recognition for stewardship, but the Department reserves the right to exclude habitual or egregious violators. Full results of DEP compliance assurance activities including any non-compliance can be accessed through separate reports found here: http://datamine2.state.nj.us/dep/DEP_OPRA/EnfActivityDetails.htm

(3) DATA QUALITY/VALIDITY: Limitations on the investment of resources to verify and document stewardship means that the level of confidence in stewardship information is lower than that for compliance information which must support cases before a court of law. The Department may take under advisement input from third parties regarding the validity or accuracy of stewardship information at listed sites. Email concerns to stewardshipdata@dep.state.nj.us.

Messages should identify the report, site name and ID, and specific data elements in question as well as the basis for concern or disagreement. Site representatives with concerns about their own data should report these first to their inspector.

Stewardship Activity: 18) PROCESS/OPERATIONS ENERGY USE REDUCTION - Has the site substantially improved its energy efficiency by implementing changes in production/manufacturing operations? If yes, describe what was done, date initiated and impact on energy use.

Atlantic County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Atlantic City	143132	ATLANTIC CNTY UTIL AUTH	1801 ABSECON BLVD, AKA RT 30 ATLANTIC CITY, NJ 08401	9/16/2010	Approx. 4 years ago the plant was upgraded with more efficient centrifuges and aerators. The centrifuges create dryer sludge resulting in an average reduction of 20% for natural gas in the incineration process. The new aerators and associated oxygen monitors have cut electricity use for aeration by 16%.
Atlantic City	143132	ATLANTIC CNTY UTIL AUTH	1801 ABSECON BLVD, AKA RT 30 ATLANTIC CITY, NJ 08401	11/30/2011	More efficient centrifuges and aerators installed approx. 5 years ago that require less natural gas to be used for incineration. New aerators and oxygen monitors have reduced electric use for aeration.
Egg Harbor Twp	15865	NJDM&VA AIR NATIONAL GUARD 177TH FIGHTER GROUP @ ATLANTIC CITY INTNL AIRPORT	400 LANGLEY RD, EGG HARBOR TWP, NJ 082349500	8/28/2008	Based on the same 4 day work schedule the facility's overall energy usage (HVAC & lighting needs) has been reduced. Signs have been posted in common areas and are placed on all light switches as a reminder for everyone, not just employees, to "turn off lights prior to exiting" a room. In addition, a reminder email is sent to all employees to shut off their lights and power down their computers. *These activities became effective in January 2008.
Egg Harbor Twp	15865	NJDM&VA AIR NATIONAL GUARD 177TH FIGHTER GROUP @ ATLANTIC CITY INTNL AIRPORT	400 LANGLEY RD, EGG HARBOR TWP, NJ 082349500	9/15/2009	See details entered for 8/28/2009 inspection report.
Pleasantville City	12549	ATLANTIC CITY MUA	1151 N MAIN ST, PLEASANTVILLE, NJ 08232	6/19/2009	ACMUA is using more reservoir water in place of pumped water which lowers electric consumption due to reduced use of groundwater pumps.
Pleasantville City	12549	ATLANTIC CITY MUA	1151 N MAIN ST, PLEASANTVILLE, NJ 08232	6/24/2010	As noted in the June 2009 Stewardship checklist, whenever possible, ACMUA uses more reservoir water in place of pumped ground water which lowers electric consumption due to reduced use of groundwater pumps.

Bergen County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Cresskill Boro	63148	CRESSKILL BORO HALL	67 UNION AVE, CRESSKILL BORO, NJ 07626	3/20/2008	Borough is in the process of conducting an energy audit and improve its energy efficiency.
Elmwood Park Boro	14986	MARCAL MFG CORP	1 MARKET ST, ELMWOOD PARK, NJ 07407	6/16/2011	Variable Speed Drives: In order to operate pumps at lower output rather than depending on a control valve to regulate flow from a pump running full out all of the time, Marcal have installed variable speed drives on larger pumps. This has saved ~1,160,000 KWH/yr so far. This year, this ongoing project will save an additional 450,000 KWH/yr. Heat Exchanger on Boilers: heat exchanger installed on the blow down water in the main boiler has saved 8,700 million BTU/yr. Installed new covering on Paper Machine Roll: The metal rolls installed in the paper machines are covered; normally with a rubber coating. Marcal opted for a more expensive (~ \$38,000 more) covering material that will save \$9,200 million BTU/yr. Compressed Air: Initiated a program to aggressively eliminate leaks in the system, Marcal has saved 1.18 million KWH/yr. Building Heat: A similar program aimed at repairing broken window, walls, etc has saved 9,200 million BTU/yr. This is an ongoing program that is expected to save a total of 21,000 million BTU/yr. Operational Efficiencies: 1) 1.13 million KWH/yr by changing the operation of a pulper to run full 50% of the time instead of partially full all of the time. 2) 2.6 million KWH/yr by changing the standard operating procedure at the paper machine to run 4 vacuum pumps ; with the fifth only being turned on when it is really needed. 3) 1.6 million KWH/yr by running various motors on automatic or only when needed. 4) 13,000 million BTU/yr by maximizing the usage of the more energy efficient of two boilers.
Englewood City	14269	ENGLEWOOD HOSPITAL & MEDICAL CENTER	350 ENGLE ST, ENGLEWOOD, NJ 07631	4/24/2008	Hospital purchases fuel burning equipment with the Energy Star Label. Also, hospital has a modulator on its chiller to minimize the amount of energy used to keep the hospital cool.
Englewood Cliffs Boro	169286	NBC UNIVERSAL CNBC @ 1 CNBC PLAZA	900 SYLVAN AVE, 2ND FLR ENGLEWOOD CLIFFS, NJ 07632	2/3/2010	- NBC Universal employees instructed via mass email to "Turn Off" off their PC's, monitors, TV's, and accent lighting when they are leaving for the day/night. In addition, activated company wide "Sleep Mode" and energy saving shutdowns. - Daily inspections of the facility to ensure all lights are off. - There are some departments that are now consolidating workspace locations. This is performed by having two users utilize one workstation thus reducing the necessity for related utilities without sacrificing production.
Fair Lawn Boro	12165	KRAFT FOODS GLOBAL INC	2211 RT 208, FAIR LAWN, NJ 074102696	8/17/2009	Through the KEMS approach, energy use has been reduced by 7% for 2009.
Fort Lee Boro	14343	PORT AUTH NY/NJ GEORGE WASHINGTON BRIDGE BUS STATION	220 BRIDGE PLAZA, FORT LEE, NJ 07088	11/19/2009	Replaced of lighting on the George Washington bridge with more energy efficient LED lighting.
Haworth Boro	11864	UNITED WATER CO NJ	200 LAKESHORE DR, HAWORTH, NJ 07041	3/30/2011	For the last 2 years, UWNJ makes Ozone by using liquid oxygen instead of pulling in ambient air using Air Prep. Equipment. The removal of the equipment has reduced the amount of electricity used at the plant.
Little Ferry Boro	14271	BERGEN CNTY UTIL AUTH WTP & SLF	MEHRHOF RD, @ FT OF LITTLE FERRY, NJ 07643	12/22/2008	Biofuels used in all engines and boilers. Cogen system utilizes up to 80% biogas to generate electricity for plant operations.

Bergen County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Little Ferry Boro	14271	BERGEN CNTY UTIL AUTH WTP & SLF	MEHRHOF RD, @ FT OF LITTLE FERRY, NJ 07643	9/18/2009	Biofuels used in all engines and boilers. Cogen system utilizes up to 80% biogas to generate electricity for plant operations.
Montvale Boro	11653	RECKITT & BENCKISER INC	1 PHILIPS PKWY, MONTVALE, NJ 07645	5/2/2008	As part of a world-wide corporate effort, Reckitt Benckiser Inc. plans to reduce their CO2 emissions and energy use over the next year by 10%. At this particular site they have committed the money to complete the following projects by July/08, some of which has already been incorporated. Solar panels being installed to reduce energy by 10%. A cogen system will be installed by July to reduce the dependency on their boilers. All new energy-saving lighting throughout the entire building just installed. Piping insulation and variable speed fans installed on all their lab hoods greatly saving on wasted heat production. Also obtaining video conferencing equipment to reduce world-wide travel by 5%.
Montvale Boro	11653	RECKITT & BENCKISER INC	1 PHILIPS PKWY, MONTVALE, NJ 07645	11/4/2009	Piping insulation and variable speed fans installed on all lab hoods greatly saving on wasted heat production.
Paramus Boro	11477	VERSA PRODUCTS CO INC	22 SPRING VALLEY RD, PARAMUS, NJ 07657	3/19/2008	-in 2006 the company reduced its energy use for the entire building---they participated in an energy survey conducted by Lehigh & installed energy efficient compressor & heaters
Ridgefield Boro	11397	COSMETIC ESSENCE INC	1135 PLEASANTVIEW TER, RIDGEFIELD, NJ 07657	9/16/2008	Recently implemented "Lean Manufacturing" which addresses machine operation during down times resulting in equipment shutdowns.
Teaneck Twp	11222	LEDOUX & CO INC	359 ALFRED AVE, TEANECK, NJ 07666	3/4/2009	Site recirculates heat generated from ovens in fire assay to heat the lab area in the colder months.

Burlington County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Bass River Twp	14410	VIKING YACHT CO	5738 RT 9, & BASS RIVER NEW GRETN, NJ 08224	4/15/2008	Timers on various lighting systems and equipment; on-going for ten years.
Mount Laurel Twp	10657	MOUNT LAUREL TWP MUA HARTFORD ROAD WWTP	200 PIKE RD, & HARTFORD RD MOUNT LAUREL TWP, NJ 08054	4/29/2008	VFD units at pump stations to reduce electrical consumption
Pemberton Twp	14685	LANXESS SYBRON CHEMICALS INC	200 BIRMINGHAM RD, BIRMINGHAM, NJ 08011	3/14/2008	Motors and compressors are now equipped with variable frequency drivers in order to save electricity. Boiler controls upgraded to improved combustion efficiency.

Camden County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Camden City	14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST, & 2ND AVE CAMDEN, NJ 081011432	5/14/2008	Primary tank maintenance reduced energy use in the secondary treatment system, belt thickener replacement reduced energy use in the handling of residuals; these occurred during the past three years. Oxygen plant upgrades planned during the next 12 to 24 months (contracts have been awarded) will realize a half million dollar per year energy savings; CCMUA has taken steps to reduce inflow and infiltration, which saves energy by eliminating treatment of groundwater and stormwater
Camden City	14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST, & 2ND AVE CAMDEN, NJ 081011432	12/9/2009	For details see entry dated 5/14/2008
Camden City	14667	CAMDEN CNTY MUA DLWR #1 STP	200 JACKSON ST, & 2ND AVE CAMDEN, NJ 081011432	2/8/2011	for details see entry dated 5/14/2008
Camden City	30634	ST LAWRENCE CEMENT CO INC @ S JERSEY PORT AUTH	595 MORGAN BLVD, & BROADWAY CAMDEN, NJ 08104	3/17/2008	On January 1, 2008, the facility started a new energy conservation program in hope of reducing electrical energy demand by at least two kilowatts per hour/per ton. The facility installed timer switches for exterior lighting, motion detectors for interior lighting and sent memos to all employees reminding them to shut off all un-needed electrical appliances/components when not in use. The facility also encourages employees to shut off all unused power strips to eliminate phantom power usage.
Gloucester City	19661	REDKEYS DIES	1307 MARKET ST, GLOUCESTER CITY, NJ 08030	4/24/2008	Nightly shutdown of all machinery, lights and computers. lighting fixtures are on motion sensors.
Gloucester City	37477	GLOUCESTER CITY	512 MONMOUTH ST, GLOUCESTER CITY, NJ 08030	5/14/2008	Collection system pumping stations were changed to variable speed motors reducing energy usage. Water plant changed from set rate motor controls to step start type, reducing energy usage.
Gloucester City	37477	GLOUCESTER CITY	512 MONMOUTH ST, GLOUCESTER CITY, NJ 08030	11/19/2009	Collection system pumping stations were changed to variable speed motors reducing energy usage. Final two pump stations changes were completed by August 2008. Water plant changed from set rate motor controls to step start type, reducing energy usage.
Pennsauken Twp	28618	CRW GRAPHICS	9100 PENNSAUKEN HWY, PENNSAUKEN, NJ 08110	5/14/2008	CRW recovers waste heat from the digital printing press. The waste heat recovery system provides condition air to a wing of the printing operation. The system modulates according to heating and cooling needs. Additionally, CRW has replaced approximately 100 cathode ray tube monitors with flat screen monitors.
Stratford Boro	50969	STRATFORD BORO DPW & SEWER AUTH STP	307 UNION AVE, STRATFORD, NJ 08084	9/16/2010	Yes. "Soft start" electrical controls installed on two pumping stations (PS), PS #1 in the summer of 2007 & PS #2 in the summer of 2008. Changing to these controls reduces electricity usage at the stations.

Cumberland County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Bridgeton City	14522	LEONE INDUSTRIES	443 S EAST AVE, BRIDGETON, NJ 08302	4/25/2008	a. Energy efficiency improved with the implementation of oxy-gas firing on Furnace 1 in September 1999. b. Waste heat recovery (Edmeston Particulate Control System) was implemented as part of this particulate reduction process in the new source Furnace 2 in April 1998. The process was incorporated from installations in Europe and modified for use in an oxy-gas furnace. The process relies on capturing waste heat, which would normally go to the atmosphere, by forcing the hot exhaust gasses through cullet. This process reduces glass melting energy by 10-15% in furnace 2 by reducing both oxygen and natural gas.
Downe Twp	15863	UNIMIN CO DIVIDING CREEK PLANT	1100 WHITEHEAD RD, DIVIDING CREEK, NJ 08315	4/9/2008	During the summer months, the site maintains electric curtailment during peak hours when the temperature is high. The plant runs its operations at night during non peak hours. The impact of reducing the amount of electricity equates to less emissions generated by electric companies.
Millville City	14591	LAMONICA FINE FOODS	48 GORTON RD, MILLVILLE, NJ 08332	1/12/2010	Installed "solar bee" solar panel in waste water lagoon for power operation
Millville City	32537	NIPRO GLASS AMERICAS CORP	1101 WHEATON AVE, 1401 & 1633 WHEATON AVE MILLVILLE, NJ 08332	12/3/2009	Added a new transformer for the electric furnaces to reduce energy usage.
Vineland City	9353	LANDIS SEWER AUTH WWTP & PUMP STATION	1776 S MILL RD, DEAD END OF VINELAND, NJ 08360	11/10/2011	During warmer summer months, LSA takes 1/2 the plant off line to use energy more efficiently
Vineland City	9385	CASA DI BERTACCHI CORP @ VINELAND IND PK	1910 GALLAGHER DR, VINELAND, NJ 08360	9/8/2008	In 2007, Boiler #1 was fitted with a "Combustion Management System". Reduced consumption of natural gas yielding a savings of \$20,000 in fuel efficiency. Boiler #2 is planned to be fitted with the "Combustion Management System" in 2009.
Vineland City	9385	CASA DI BERTACCHI CORP @ VINELAND IND PK	1910 GALLAGHER DR, VINELAND, NJ 08360	10/20/2009	April 2009, Boiler #2 was fitted with a "Combustion Management System". This installation reduced consumption of natural gas for an additional savings of \$5,000-\$8,000.
Vineland City	14524	GERRESHEIMER GLASS INC	537 CRYSTAL AVE, & FOWLER ST VINELAND, NJ 08360	6/18/2008	"R" furnace conversion: Old furnace used natural gas & atmospheric air supply. New furnace is oxygas type, utilizing concentrated oxygen and natural gas, resulting in ~ 50% reduction in NOX emissions & ~30% better fuel efficiency.

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
East Orange City	14234	EAST ORANGE GENERAL HOSPITAL	300 CENTRAL AVE, EAST ORANGE, NJ 070182819	12/2/2009	East Orange General Hospital has three (3) reciprocating engines burning natural gas for supplemental electrical power for the hospital. The heat generated from operating the engines is captured and used to provide domestic hot water to the building. EOGH's 80 S. Munn Ave. building is a certified NJ ENERGY STAR Home. The building is used as short-term housing for behavioral health hospital patients.
Fairfield Twp	14905	AMERICAN FUJI SEAL INC	17 STEWART PL, FAIRFIELD, NJ 07006	4/3/2008	ELECTRIC COMPRESSOR ROOM HOT AIR RECLAMATION SYSTEM
Newark City	8510	PSE&G	80 PARK PLAZA, ROOM 8317 NEWARK, NJ 071024194	11/23/2009	Energy Efficiency projects completed or underway have achieved over \$700 K savings in operational costs, which has resulted in reduce carbon emissions from PSE&G's operations. This is part of the Corporate Carbon Reduction Target to reduce PSE&G's 2005 footprint 25% by 2025.
Newark City	14244	ANHEUSER BUSCH INC	200 RT 1/9, NEWARK, NJ 07101	3/28/2008	Heat exchangers for brew kettles, condensers installed and CO2 advanced purification distillation columns in use.
Newark City	14244	ANHEUSER BUSCH INC	200 RT 1/9, NEWARK, NJ 07101	9/7/2011	A majority of the motor driven equipment at the facility has been converted over the past 10-15 years to variable frequency drives (VFD's). VFD's lower electrical energy consumption by adjusting the speed of the motor to the changing load demands. Typically VFD's consume only 25% as much energy at 50% speed then it will at 100% speed. Anheuser-Busch has estimated that this initiative has contributed to a reduction of 85,000 kwh per year in electricity purchases.
Newark City	14917	TROY CHEMICAL INC	1 AVE L, NEWARK, NJ 07105	3/12/2008	Troy has implemented several process and operational changes for the reduction of energy use. Mr. Capasso stated that Process examples include fixing steam line leaks & insulating piping; Operational examples include purchasing & installing an Energy Star Air Conditioner & increasing the number of energy efficient lighting throughout the plant. The reduction of energy use is tracked in an internal Fuel Oil Consumption Report (Attachment A).
Newark City	14917	TROY CHEMICAL INC	1 AVE L, NEWARK, NJ 07105	6/23/2010	Troy has implemented several process changes for the reduction of energy use. Mr. Capasso stated that Process examples include fixing steam line leaks & insulating piping. The reduction of energy use is tracked in an internal Fuel Oil Consumption Report .
Newark City	14931	MOTIVA ENTERPRISES NEWARK TERMINAL #13055	909 DELANCEY ST, NEWARK, NJ 07105	11/16/2010	Electricity conservation has been achieved using the Pump-Smart System, which controls electricity demand of pumps thus reducing electricity consumption.

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Newark City	15751	HESS CORP NEWARK TERMINAL	1111 DELANCEY ST, NEWARK, NJ 07102	5/13/2009	The Company monitors peak electrical times and avoids conducting tank to tank loading during these times when there is peak electrical loading at the grids (at PSE&G). This helps reduce the load to the electrical grids (at PSE&G). The Company has a 100 and a 300 Hp pump that they use to transfer products between tanks. These pumps can transfer roughly 45,000 gallons/minute of product or 273,000 gallons/hr. of product and can be operating anywhere between 2 to 10 hrs. during the tank loading process. The Company access the website www.pjm.com and looks under either Demand Response or Peak Load Information - Historical Load Data under Operational Analysis to see if there is a peak load or some sort of event going on in their region that is causing a peak load to the grid. The Company will then curtail its tank to tank loading operations until there is no longer a peak load to the grid. PJM = Pennsylvania, Jersey Maryland and deals with the electrical grid in these states.
Newark City	15751	HESS CORP NEWARK TERMINAL	1111 DELANCEY ST, NEWARK, NJ 07102	12/10/2010	Hess monitors peak electrical times and avoids conducting tank to tank loading during these peak times. By monitoring the peak electrical times, this act helps reduce the electrical load to the electrical grids at PSE&G. The Company has a 100 hp and a 300 hp pump that they use to transfer products between storage tanks. These pumps can transfer roughly 45,000 gallons/minute of product or 273,000 gallons/hr of product and can be operating anywhere between 2 and 10 hours during the tank loading process. The Company accesses the website www.pjm.com for the PJM electrical grid and looks under either Demand Response or Peak Load Information-Historical Load Data under Operational Analysis to see if there is a peak load or some sort of event going on in their region that is causing a peak load to the grid. The Company will then curtail its tank to tank loading operations until there is no longer a peak load to the grid. As of earlier this year, the Company is now also gravity filling their barges instead of using pumps to load petroleum products to their ships/ barges. In 2010, the Company loaded roughly 70 to 80 barges of which maybe roughly 60+ barges were loaded by gravity fill instead of by using pumps (which would use up a lot of energy/electric to operate), to pump on petroleum products onto the barge(s).
Nutley Twp	14243	HOFFMANN LA ROCHE INC	340 KINGSLAND ST, NUTLEY, NJ 071101199	6/2/2008	Updating of site has resulted in a 14% energy use reduction.
Nutley Twp	14243	HOFFMANN LA ROCHE INC	340 KINGSLAND ST, NUTLEY, NJ 071101199	11/19/2009	For details see previous checklist dated 6/2/2008

Gloucester County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Glassboro Boro	14548	NJ ROWAN UNIVERSITY	201 MULLICA HILL RD, & ROWAN BLVD GLASSBORO, NJ 08028	5/30/2008	Central Heat Plant upgraded to high-efficiency boilers. Chilled Water Production has been centralized. Cogeneration Facility has been upgraded and in the process of commissioning & startup.
Glassboro Boro	14548	NJ ROWAN UNIVERSITY	201 MULLICA HILL RD, & ROWAN BLVD GLASSBORO, NJ 08028	8/23/2011	High Efficiency Upgrades: Central Heat Plant upgraded to high-efficiency boilers, chilled water production has been centralized, and a new high-efficiency Cogen Turbine system with Heat Recovery is in operation. CFL Exchange Program: Rowan implemented a CFL Exchange Program in the fall of 2010 for students living in campus housing that provided a one-for-one exchange of compact fluorescent bulbs for incandescent bulbs. The benefit was a reduction in electric use associated with the change which also translates into a reduction in greenhouse gas emissions from power plants.
Greenwich Twp	14639	EMD CHEMICALS INC WINSCONSIN PHARMACAL	480 DEMOCRAT RD, GIBBSTOWN, NJ 080270070	4/22/2008	Company installed frequency-controlling devices on cooling tower electric motors in order to reduce electricity usage.
Pitman Boro	12891	SONY MUSIC ENTERTAINMENT INC	400 N WOODBURY AVE, & LAMBS RD PITMAN, NJ 08071	10/13/2010	Charts have been provided, showing that they were able to increase production and reduce energy consumption through their lighting changes, specifically powering down equipment when not in use.
Pitman Boro	58306	PITMAN BORO DPW	110 S BROADWAY, PITMAN, NJ 08071	2/2/2010	Potable systems: Pitman changed motor control center (MCC) to VFD set-up and soft start systems, lowering energy usage at well #4 (installed in 2006) & well #3 sites (installed summer 2009).
South Harrison Twp	123927	SOUTH HARRISON TWP MUNICIPAL BUILDING	664 HARRISONVILLE RD, HARRISONVILLE, NJ 08039	10/14/2008	1) converted the public works garage and ambulance building to natural gas from propane and heating oil. 2) started a 4 day work week for energy saving purposes to the heating and air conditioning in the municipal building.
West Deptford Twp	14637	JOHNSON MATTHEY INC @ MID ATLANTIC IND PK	2001 NOLTE DR, WEST DEPTFORD TWP, NJ 080861727	3/6/2008	Facility has reduced energy consumption by modifying air flow to thermal oxidizer thereby increasing heat recovery. Installation of hot plate timers in laboratories, motion sensor switches at various locations, and pump switches to operate equipment only when needed.
West Deptford Twp	14637	JOHNSON MATTHEY INC @ MID ATLANTIC IND PK	2001 NOLTE DR, WEST DEPTFORD TWP, NJ 080861727	11/29/2010	In 2007, PHARMA had an engineering evaluation conducted to optimize operation of the RTO/acid absorber system a/k/a regenerative thermal oxidizer with an air stripper. The evaluation concluded that increasing the thermal efficiency from 89% to 92%, reducing air flow from 41,400 scfm to 32,000 scfm, reducing the operating temperature from 1,628 degrees F to 1,500 degrees F and reducing the recirculating water flow from 1,616 gpm to 800 gpm would reduce greenhouse gas (CO2) emissions by 3,045 ton/year and natural gas consumption by approximately 50 MMcf/year, as well as generating significant savings in electrical energy, thus making this an environmentally friendly project. The project was finalized in 2010.

Hudson County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Jersey City	7250	101 HUDSON STREET OFFICE BUILDING	101 HUDSON ST, JERSEY CITY, NJ 07302	1/30/2009	Verizon's energy conservation program promotes the responsible and cost-effective use of energy. Verizon is reducing energy use by improving the energy efficiency of Verizon buildings through innovative technology such as hypalon roofing, and researching and using alternative energy sources such as clean-burning fuel cells or micro turbines for our central offices. In 2007 alone, energy conservation efforts eliminated more than 75,000 metric tons of CO2 emissions.
Jersey City	7280	TROPICANA DOLE PRODUCTS INC	9 E LINDEN AVE, JERSEY CITY, NJ 073050000	6/9/2008	Reduced energy costs for natural gas by approximately 60%. Reduced electric costs by 25%.
Kearny Town	14882	SPARTECH POLYCOM INC	113 PASSAIC AVE, KEARNY, NJ 07032	5/28/2009	The Company in 2008 to help conserve energy replaced a very old chiller with 2 cooling towers. The cooling towers are more efficient and therefore conserve and use less energy. Prior to the change from the chiller to the two cooling towers, the Company used roughly 4,831,501 kWh. between April 2007 to April of 2008 with a monthly average of 652,625 kWh. After the change from the chiller to the two cooling towers, the Company used roughly 4,385,447 kWh. between April 2008 to April of 2009 with a monthly average of 365,465 kWh. Company calculated an energy savings of 446,054 kWh. since the Company changed from using a chiller to using two water cooling towers.

Hunterdon County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Bethlehem Twp	6796	ASBURY GRAPHITE MILLS INC	156 W PORTAL ASBURY RD, BETHLEHEM TWP, NJ 08827	4/8/2008	More efficient compressors purchased approximately two years ago which reduced energy usage 10% over the last two years.
Califon Boro	19310	AQUA NJ INC	MAIN ST, CALIFON BORO, NJ 08865	2/25/2008	Aqua NJ reports that they have changed from incandescent light bulbs to all fluorescent light bulbs at their offices.
Clinton Twp	22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	2/28/2008	Use solar energy in manufacturing
Clinton Twp	22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	2/4/2010	See entry dated 2/28/08
Clinton Twp	22656	ENERGY KINETICS INC	51 MOLASSES HILL RD, AKA 103 MOLASSES HILL RD CLINTON TWP, NJ 08833	1/10/2011	See entry dated 2/28/08
Lambertville City	37550	LAMBERTVILLE CITY MUA	LAMBERT LANE EXT, LAMBERTVILLE, NJ 08530	5/22/2008	Facility has switched to Variable Frequency Drive pumps and blowers which eliminate electrical surges and improve efficiency through optimal motor control.
Raritan Twp	6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	3/3/2008	New systems have reduced energy use by 55%.
Raritan Twp	6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	9/8/2009	see comment entered in stewardship report dated 3/3/2008
Raritan Twp	6663	3M CORP	500 RT 202, RARITAN TWP, NJ 08822	6/1/2011	Upgrades and new process systems have reduced energy use from 32 watts to 28 watts. Corporate wide goals are to improve Energy Efficiency 25% by 2015 from 2005 base year.
Raritan Twp	14570	HUNTERDON MEDICAL CENTER CORP	2100 WESCOTT DR, RARITAN TWP, NJ 08822	2/29/2008	They replaced all old light ballasts and installed silver screen reflectors. Also new chillers and water tower.
Tewksbury Twp	37766	NJ AMERICAN WATER CO INC POTTERSVILLE STP	MCCANS MILL RD, TEWKSBURY TWP, NJ 07979	4/4/2011	As a result of a recent plant upgrade, the treatment plant utilizes several Variable Frequency Drive (VFD) pumps which are ~ 30 % more efficient than non VFD pumps.
Union Twp	18599	BRASS CASTLE ESTATES WWTP	RT 579 & COOKS CROSS RD, STEVENS LN & FINN RD UNION, NJ 08867	3/12/2008	The facility converted its automatic UV filtration unit to manual. The automatic unit required an actuated pneumatic compressor to drive the pistons. The compressor is no longer needed.
Union Twp	37376	VILLAGE SQUARE	STROTZ RD & MILLBROOK LN, UNION, NJ 088270000	3/12/2008	The facility has switched to utilizing air from a blower already in use instead of running an air compressor in addition to the blower. An energy savings has also been realized by not running the well as discussed under "Water Use Reduction."

Mercer County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Hopewell Boro	61847	RAMBLING PINES DAY CAMP	LAMBERTVILLE HOPEWELL TPKE, AKA RT 518 HOPEWELL, NJ 08525	2/28/2008	energy saving thermostats have been installed in the facility's buildings
Hopewell Twp	15824	BRISTOL MYERS SQUIBB CO	311 PENNINGTON ROCKY HILL RD, HOPEWELL TWP, NJ 08534	7/1/2009	Energy reduction opportunities are actively evaluated and pursued. The company's Information Technology team found that removing screen savers from all employees' computers in the U.S. saves about 1.9 million kilowatts of energy and \$266,000 annually. BMS Hopewell added a new research facility without a net increase in energy consumption.
Princeton Twp	15822	STONY BROOK RGNL SEWER AUTH RIVER ROAD STP	290 RIVER RD, PRINCETON TWP, NJ 08540	2/20/2008	Variable frequency drives VFD for return pumps and pump stations
Princeton Twp	15822	STONY BROOK RGNL SEWER AUTH RIVER ROAD STP	290 RIVER RD, PRINCETON TWP, NJ 08540	2/9/2010	Variable frequency drives VFD for return pumps and pump stations new energy efficient motors installed in the modified aeration system
West Windsor Twp	6192	WEST WINDSOR PLAINSBORO RGNL SD W WINDSOR HIGH SCHOOL	346 CLARKSVILLE RD, WEST WINDSOR TWP, NJ 08550	11/19/2009	The school has instituted the energy conservation measure of dimming hallway lights during after-school activities.

Middlesex County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Carteret Boro	93890	CLEAN EARTH OF CARTERET INC	24 MIDDLESEX AVE, CARTERET, NJ 07008	3/13/2008	Per The Facility Mgr. John Eshelman, a new roof was constructed in 2006 with clear panels installed so that on clear sunny days the lights inside the processing building do not have to be on. Mr. Eshelman also indicated that the processing building has approx. 60 lights each suing 1,000 watts that are not used on sunny days.
Edison Twp	59407	HESSTECH CORP @ HELLER IND PK	45 EXECUTIVE AVE, EDISON, NJ 08817	7/31/2009	Hesstech has reduced energy use by consolidating offices, keeping warehouse temperatures below 65 degrees during cooler months and using floor mats to reduce heat loss from dock plate doors.
Perth Amboy City	5502	MORTON SALT @ STOLT HAVEN	920 STATE ST, PERTH AMBOY, NJ 08816	4/17/2008	Morton Salt participates in the NJ Clean energy program. The lighting throughout the plant was replaced with energy efficient bulbs. Moisture analyzers were installed for their salt dryers to reduce energy use.
Perth Amboy City	5502	MORTON SALT @ STOLT HAVEN	920 STATE ST, PERTH AMBOY, NJ 08816	12/11/2008	Natural gas consumption has been reduced by more than 20% since the installation of a new moisture analyzer for drying salt. The analyzer allows facility to reduce natural gas consumption by drying salt properly to the correct endpoint. The analyzer signal is used to throttle back the natural gas use based on moisture level, rather than temperature.
Piscataway Twp	14853	EVONIK DEGUSSA CORP	2 TURNER PL, PISCATAWAY TWP, NJ 08855	9/24/2008	Energy reduction is practiced on a weekly basis (Fridays) where all lights, air conditioning units and boilers are shut down. This has significantly reduced energy consumption. The program has proven to be a good effort in energy cost reduction and effectiveness.
Plainsboro	5335	UNITED WATER CO PRINCETON MEADOWS	31 MAPLE AVE, PLAINSBORO, NJ 08536	4/7/2011	Influent sewage pumps, sludge transfer pumps and rotary drum thickener pumps have been retrofitted with variable frequency drives for optimal energy efficiency. Motors are replaced with energy efficient motors when replaced. Most outdoor lights have been retrofitted with motion sensors. Indoor lights are turned off when not in use; heat settings placed on low at night.
Sayreville Boro	5280	MIDDLESEX CNTY UTIL AUTH WATER RECLAIM CENTER	2571 MAIN ST EXT, SAYREVILLE, NJ 088720086	6/13/2008	MCUA has a cogeneration plant which uses landfill gas to generate electricity. The cogeneration plant provides enough electricity to supply the entire wastewater plant.
Sayreville Boro	18747	AES RED OAK POWER PLANT	832 RED OAK LN, SAYREVILLE, NJ 08872	7/22/2008	The Engineering Department at the facility has a Heat Rate Improvement Initiative in place which scans heat loss. This ensures heat efficiency (efficient megawatt generation) for more gas and in the past year 40 + points of heat rate improvement were found. Examples: 1.) Cycle Loss Audits - facility goes through all process loops in plant and detects leaks. 2.) Infrared scanning of switch yard and HRSG.
Woodbridge Twp	4930	MULTI PLASTICS EXTRUSIONS INC	30 PRODUCTION WAY, AVENEL, NJ 07001	1/5/2011	Manufacturing equipment has been upgraded to include several variable frequency drives. Also, participation in the Load Shedding Program with Energy Curtailment Services has allowed the facility to contribute in a program that balances supply and demand and ensures stability of the electric grid during specific periods of the day during peak months throughout the summer.

Middlesex County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Woodbridge Twp	14854	HESS CORP	750 CLIFF RD, WOODBRIDGE TWP, NJ 07095	2/22/2011	Vapor recovery gases captured during retail gasoline dispensing are recovered by gasoline delivery tanker trucks. The captured gas is brought back to the refinery by the tanker trucks and the recovered vapor is collected and condensed into gasoline. The vapor recovered condensed gas is delivered for retail gas dispensation along with the refined gasoline. Although minimal in comparison to the refined gasoline production the vapor recovery condensated gasoline does not need to be manufactured or discharged into the atmosphere.

Monmouth County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Manalapan Twp	12911	MONMOUTH CNTY RGNL WESTERN SEWER AUTH PINE BROOK WWTP	2 UTILITY RD, MANALAPAN TWP, NJ 07726	5/5/2011	Two solar powered aerators have been installed in the effluent lagoon that have resulted in the reduction of electricity used at the plant. Other solar projects and the construction of a co-generation facility are planned.

Morris County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Chatham Boro	58847	CHATHAM BORO DPW	VAN DOREN AVE, CHATHAM BORO, NJ 07928	11/13/2009	Well #1 and well #3 - well pumps replaced with high efficiency motors (95% efficiency versus old ones that were 88% efficient). Well #2 already had a high efficiency pump (91%) so wasn't upgraded. The proposed yearly electric savings per well is \$3,000 and \$5,000 respectively.
Chester Twp	15219	WELKIND NEUROLOGICAL HOSPITAL	201 PLEASANT HILL RD, CHESTER TWP, NJ 07930	3/13/2008	All electrical wiring and outlets have been updated for higher efficiency.
Hanover Twp	15211	HALO PHARMACEUTICALS	30 N JEFFERSON RD, HANOVER, NJ 079999998	8/28/2008	Chiller has a variable frequency drive to reduce output associated with demand.
Morristown Town	14785	MORRISTOWN MEDICAL CENTER	100 MADISON AVE, MORRISTOWN, NJ 07969	5/14/2008	They recently installed variable-speed boilers and cooling towers. Also have installed all new lower energy lighting for their new buildings.
Mount Olive Twp	3599	TRI STATE QUIKRETE	150 GOLD MINE RD, FLANDERS, NJ 07836	4/17/2008	Equipment is always replaced with something that is more energy efficient, including electric motors, starters etc.
Parsippany Troy-Hills	14783	LP THEBAULT DIV OF EARTHCOLOR	249 POMEROY RD, PARSIPPANY-TROY HILLS TWP, NJ 07981	8/12/2010	ETI has installed state of the art Heidelberg XL presses effectively reducing the energy required per impression by approx. 10-15%.
Parsippany Troy-Hills	406365	WYNDHAM WORLDWIDE CORPORATE HEADQUARTERS	22 SYLVAN WAY, PARSIPPANY, NJ 07054	2/18/2010	74% of equipment and appliances are Energy Star rated.
Washington Twp	125075	TRANSISTOR DEVICES INC PLANT #2 @ IND PK	36 NEWBURGH RD, WASHINGTON TWP, NJ 07869	8/27/2008	The site has implemented a plan to reduce electrical power consumption. From data collected so far for 2008, consumption is down 4.5% from where it was in 2007. Facility specifically has implemented changes to the buildings thermostats, which are set to automatically turn down at night, as well as on the weekends. In addition the lights in the production area are set on a timer.

Ocean County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Jackson Twp	14573	SIX FLAGS GREAT ADVENTURE PARK & SAFARI	575 MONMOUTH RD, AKA RT 537 JACKSON TWP, NJ 08527	11/19/2009	Replacement of lights on historic ferris wheel with LED high efficiency bulbs, as well as other replacements throughout the site which has resulted in savings of 53,000 KWH annually
Lacey Twp	15856	EXELON GENERATING CO @ OYSTER CREEK NUCLEAR GENERATING STATION	741 RT 9 , FORKED RIVER, NJ 08731	4/28/2008	Oyster Creek implements a program of voluntary onsite energy use reduction during periods of peak electricity consumption. An Energy Conservation Measures audit was recently conducted to identify energy efficiency items.
Stafford Twp	15650	OCEAN CNTY UTIL AUTH SWPCF	150 CEDAR RUN DOCK RD, CEDAR RUN, NJ 08050	2/9/2011	There was a piping modification made that now allows the plant's final effluent to flow by gravity through the ocean outfall pipe and to its final discharge point in the Atlantic Ocean. Prior to this modification the effluent had to be pumped through the ocean outfall pipe. The most recent financial data available indicates that there has been a 30% reduction in the plant's electricity use as the ocean outfall pump usage went from 100% to 5% . The projected annual savings in dollars at the current cost of electricity is approximately \$231,000.00.

Passaic County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Bloomington Boro	58948	BLOOMINGDALE BORO DPW	101 PATERSON HAMBURG TPKE, BLOOMINGDALE BORO, NJ 074031236	6/10/2010	Most municipal departments operate 4 days per week so that less energy is used in the municipal building.
Clifton City	14748	SANDY ALEXANDER INC	200 ENTIN RD, CLIFTON, NJ 070141423	7/30/2008	A new energy efficient, state of the art, regenerative thermal oxidizer with the capacity to handle all three web presses was purchased and installed in 2006, replacing two existing oxidizers. Significant reduction in gas and electric usage has been achieved. Energy efficiency contractor was hired to determine areas where changes would result in energy savings. Requests for capital expenditures were submitted and suggestions for selected improvements are being implemented.
Clifton City	14748	SANDY ALEXANDER INC	200 ENTIN RD, CLIFTON, NJ 070141423	12/17/2010	Purchased a new Sheetfed press which uses fewer resources. When renovating the warehouse to include their new company Sandy Wide, the SA company set up the compressed air system with a closed loop to save on energy used to get air throughout the facility.
Paterson City	15681	ST JOSEPHS HOSPITAL & MEDICAL CENTER	703 MAIN ST, PATERSON, NJ 075030000	7/27/2010	NEW - 1) St. Joseph's replaced their 182 existing 10 amp photo copiers with new 8 amp photo copiers to reduce energy use. 2) St. Joseph's participates in PSE&G's energy curtailment program where upon request by PSE&G they cut back on power usage at the site. They have been tested twice and demonstrated the ability to reduce power usage by 500 kW per hour. They started participating in the program in 2009 and have been asked to reduce power for the program on at least one occasion.
Totowa Boro	15094	HOFFMANN LAROCHE INC KILO LAB	50 MADISON RD, TOTOWA BORO, NJ 075121129	9/12/2011	All pumps and motors are variable speed drive. Free cooling system (computer air quality controls for massive computerization operations) allows outdoor cold air to cool inside desired rooms rather than the use of standard air conditioning. Considering the number of large rooms within the huge building, energy savings is massive. New Lighting controls system includes motion detection. Building completely revamped in 2010 to accommodate this new company.
Totowa Boro	15145	SANDVIK PROCESS SYSTEMS INC	21 CAMPUS RD, TOTOWA BORO, NJ 075120000	5/28/2009	As part of the Environmental objectives for 2009, Sandvik has installed programmable thermostats to decrease Natural Gas usage. Sandvik expects 3% reduction. Sandvik also has improved efficiency in production processes. For instance, in the past a single layer of metal belt was hot-pressed. Now, two (2) metal belts are hot pressed at a time.
Wayne Twp	2120	BAYER HEALTHCARE PHARMACEUTICALS INC	300 FAIRFIELD RD, WAYNE TWP, NJ 07470	1/30/2008	Lighting is all "green". Also installed automatic lighting where lights go out after areas are abandoned for periods of time and turn back on when someone returns. Currently redoing their heating system. One boiler eliminated and a second to be replaced by an as of yet unknown substitute, likely to be significantly more efficient.
Woodland Park Boro	15757	KEARFOTT GUIDANCE & NAVIGATION CORP PLANT #1	1150 1225 MCBRIDE AVE, WEST PATERSON, NJ 07474	8/26/2008	The facility has an ongoing program of installing programmable thermostats. The program, which started December 2005, modifies temperatures by 6 degrees F during non-working hours of 6 PM to 6 AM weekdays and 6 PM Friday to 6 AM Monday, culminating in the saving of electricity. Also the facility is replacing all incandescent light bulbs with compact fluorescent lamps to save additional energy.

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Bedminster Twp	118758	THE WILLOW SCHOOL	1150 POTTERSVILLE RD, BEDMINSTER TWP, NJ 07921	5/6/2008	All artificial lighting is controlled by sensors & the HVAC system is computer-controlled.
Branchburg Twp	15924	VISION AGFA	50 MEISTER AVE, BRANCHBURG TWP, NJ 08876	7/9/2009	Facility now turns off equipment and gas when not in use for manufacturing. Lighting has been changed to LED lights in packaging areas.
Branchburg Twp	15924	VISION AGFA	50 MEISTER AVE, BRANCHBURG TWP, NJ 08876	9/13/2011	Yes. 2009 average electric/gas usage 3.51 kwh/m2. 2010 average electric/gas usage 3.09 kwh/m2. 2011 average electric/gas usage 3 kwh/m2. Lighting replacement with LEDs, turning off equipment, thermal oxidizers, etc when not in use. Making process improvements. In process of installing dry chiller; savings of 640,000 kwh/yr.
Bridgewater Twp	15703	SANOFI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	1/25/2008	Utilize cleaner energy sources. Site operation with cogeneration reduces CO2 by about 13.2 %.
Bridgewater Twp	15703	SANOFI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	3/20/2009	See entry dated 1/25/2008
Bridgewater Twp	15703	SANOFI AVENTIS USA INC	1041 RT 202/206, BRIDGEWATER TWP, NJ 088070800	3/19/2010	See entry dated 3/20/09
Franklin Twp	43437	FRANKLIN TWP MUNICIPAL BUILDING	475 DEMOTT LN, SOMERSET, NJ 08873	6/10/2008	The Township has converted all traffic lights to LED
Franklin Twp	43437	FRANKLIN TWP MUNICIPAL BUILDING	475 DEMOTT LN, SOMERSET, NJ 08873	1/5/2011	The Township has converted all traffic lights to LED
Franklin Twp	344307	METLIFE INSURANCE CO	300 DAVIDSON AVE, SOMERSET, NJ 08873	3/27/2008	The site produces an energy consumption report and has implemented changes on lighting in order to lower energy consumption.
Raritan Boro	14466	ORTHO CLINICAL DIAGNOSTICS	1001 RT 202, RARITAN, NJ 08869	3/24/2008	In 2007, the Ortho Diagnostics Systems Inc. completed a significant combined heat and power (CHP) project that included a 1.5 MW gas-fired turbine and heat recovery steam generator. Combined heat and power, or "Cogeneration". Their Cogeneration equipment supplies forty percent (40%) of the facility's electricity and seventy-five percent (75%) of its steam demand. The project was endorsed by the New Jersey Board of Public Utilities' Clean Energy Program, and supports New Jersey's goals of enhancing energy efficiency and reducing existing and new demands to the electric power grid. The project was also designed to satisfy the criteria for the US Environmental Protection Agency's ENERGY STAR CHP Award.

Somerset County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Raritan Boro	14466	ORTHO CLINICAL DIAGNOSTICS	1001 RT 202, RARITAN, NJ 08869	12/23/2010	In 2007, the Ortho Diagnostics Systems Inc. completed a significant combined heat and power (CHP) project that included a 1.5 MW gas-fired turbine and heat recovery steam generator. Combined heat and power, or "Cogeneration". Their Cogeneration equipment supplies forty percent (40%) of the facility's electricity and seventy-five percent (75%) of its steam demand. The project was endorsed by the New Jersey Board of Public Utilities' Clean Energy Program, and supports New Jersey's goals of enhancing energy efficiency and reducing existing and new demands to the electric power grid. The project was also designed to satisfy the criteria for the US Environmental Protection Agency's ENERGY STAR CHP Award.
Warren Twp	40321	ANADIGICS CO	141 MT BETHEL RD, BLDG 141 WARREN TWP, NJ 07059	11/9/2010	HVAC upgraded to Variable Frequency Drive system for Fabrication area resulting in an 8% overall decrease in total electricity usage for the facility.

Union County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Elizabeth City	1238	PHELPS DODGE SPECIALTY COPPER PRODUCTS	48 94 BAYWAY AVE, & S FRONT ST ELIZABETH, NJ 07207	3/24/2009	Energy conservation measures are as follows: 1 - plant lighting has been replaced from 150 kw 75 kw, reducing energy used to light up the facility 2 - replaced/removed obsolete equipment (i.e. CRO Systems, old valves, piping replaced), which has reduced the energy required to run them. 3 - energy cost has significantly reduced because they converted from 200 HP usage to a 40 HP usage. They also eliminated their old boiler, which reduced their energy usage. More details can be obtained by the facility representatives.
Elizabeth City	14441	CRODA SYNTHETIC CHEMICALS INC	534 S FRONT ST, ELIZABETH, NJ 07202	3/24/2010	There is a switch on the Company's 8.369 MMBTU High Pressure Cleaver Brooks Boiler that when switched to "ON" will change the Boiler from a High Pressure Boiler to a Low Pressure Boiler and thus conserve the amount of natural gas consumed in the Boiler. The switch was installed on the Cleaver Brooks Boiler within the last year. For 2008, the Boiler operated 2600 hours and consumed 7,809,100 ft ³ of natural gas. For 2009, the Boiler operated 2600 hours and consumed 7,170,000 ft ³ of natural gas. Company may have saved up to 639,000 ft ³ of natural gas in 2009 by installing the switch that lowers the pressure of the boiler so that the Boiler consumes less gas.
Kenilworth Boro	14432	SCHERING CORP	2000 GALLOPING HILL RD, KENILWORTH, NJ 07033	8/4/2010	Yes, site has executed 10-20 projects each year for the past several years to improve energy efficiency. Since 2005, site has reduced annual power consumption by ~10%. In 2009, Schering implemented the Demand Response Program. Schering reduces energy use during peak demand hours when requested by the energy provider.
Kenilworth Boro	20547	KENILWORTH ANODIZING CO	201 S 31ST ST, KENILWORTH, NJ 07033	4/28/2009	Timers are set up on rectifiers to shut off when the oxidation process is complete. Saving on electrical consumption.
Summit City	14453	SUMMIT PROPERTY CO	556 MORRIS AVE, SUMMIT, NJ 07901	5/21/2009	The Site Energy Team at the facility has implemented the following energy efficiency measures: 1) Laboratory hood face velocity reduction 2) Laboratory hood sash program (educating the scientists about the importance of keeping hood sashes closed).
Summit City	14453	SUMMIT PROPERTY CO	556 MORRIS AVE, SUMMIT, NJ 07901	3/16/2011	The Site Energy Team at Summit Property/Merck has implemented the following energy efficiency measures: 1) Laboratory hood face velocity reduction 2) Laboratory hood sash program (educating the scientists about the importance of keeping hood sashes closed).

Warren County

Municipality	Site ID	Site Name	Address	Date Acknowledged	Comments
Belvidere Town	15798	DSM NUTRITIONAL PRODUCTS INC	205 MACKS ISLAND DR , AKA ROCHE DR BELVIDERE, NJ 07823	2/8/2011	The site routinely tracks its Energy Performance in an Index and has set reduction goals of 2% per year for the next 10 years. Prior goals have been met.
Washington Boro	15839	BASF CORP	2 PLEASANTVIEW AVE, & PERSHING ST WASHINGTON, NJ 07882	3/3/2008	Installed boiler control upgrades, controls on agitators, and energy efficient motors