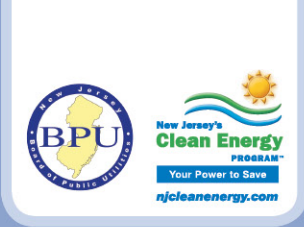




# **New Jersey's Clean Energy Program**

## **Opportunities for Commercial, Industrial and Institutional Buildings**

**Carl Teter & Travis Sleight**  
**3/20/2013**



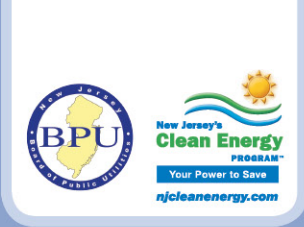
# NJ Clean Energy Program Background

- Introduced in 2001 as part of the 1999 EDECA
- Funded from “Societal Benefits Charge” on utility bill
- Administered by the New Jersey Board of Public Utilities
- Provides energy efficiency project opportunities for:
  - Residential
  - Renewables
  - Commercial & Industrial



# Program Goals

- **Save** energy and lower operating costs
- **Protect** environment and lower emissions
- **Change** the business mindset:
  - Think high efficiency first
  - Encourage early retirement of equipment
  - Increase effective operations and maintenance
  - Promote renewable energy alternatives



# Commercial & Industrial Portfolio

- NJ SmartStart Buildings
- Local Government Energy Audit
- Direct Install
- Pay for Performance
- Combined Heat & Power/Fuel Cells
- Large Energy Users Pilot
- Benchmarking



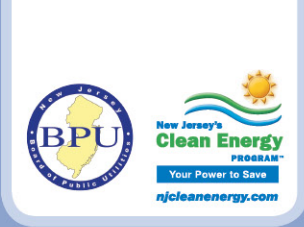
# Local Government Energy Audit

**The Audit is available for:**

- NJ Local Governments
- 501(c)(3) Non-profit Agencies
- NJ State Colleges and Universities
- K-12 Schools

**Covering a wide range of building types, including:**

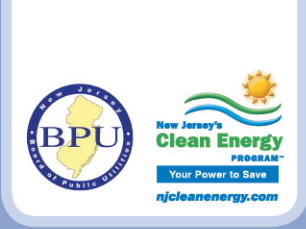
- Offices
- Town Halls
- Police and Fire Stations
- Courtrooms
- Community Centers
- School Buildings



# Free Benchmarking Report

Benchmarking assessments are designed to help:

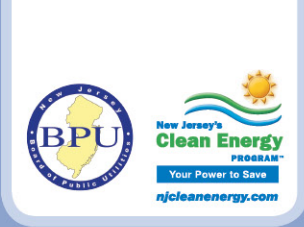
- Understand energy cost trends and consumption at each building
- With sufficient comparative data, see how building(s) compare to similar buildings using EPA Portfolio Manager
- Identify relevant incentives for energy efficiency projects
- The benchmarking report is valued at \$1,500



# Free Benchmarking Report

## Details on the process:

- Building types
- Normalization
- Averages
- Report Summaries for multiple building customers



# Free Benchmarking Report

## Includes:

- Data analysis graphs
- Explanation of how fuel is used
- For most buildings – a Portfolio Manager score
- Suggestions for improving operations and maintenance
- Guidance on NJ Clean Energy Program options
- Program application information





# To Request Free Benchmarking

- Visit [NJCleanEnergy.com/BENCHMARKING](http://NJCleanEnergy.com/BENCHMARKING)
- Submit the online data collection form
- Submit 12 consecutive months of energy data or a signed Fuel/Energy Release Authorization Form



# Free Benchmarking Report



## Energy Benchmarking Building Data Form



Fill out this form and follow the instructions at the bottom to receive a free energy performance benchmark

### General Info

Name of Building \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zip Code \_\_\_\_\_

Point of contact: Name/Title \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_ E-mail \_\_\_\_\_

Fax \_\_\_\_\_ Mobile \_\_\_\_\_

### Building Info

Year Built \_\_\_\_\_ No. of floors \_\_\_\_\_

Size of building (sq. ft.) \_\_\_\_\_ No. of employees during the main shift \_\_\_\_\_

(Do **not** include unheated spaces)

Building Type/Description \_\_\_\_\_

Heating System and Fuel \_\_\_\_\_ Percent of building heated \_\_\_\_\_

Cooling System \_\_\_\_\_ Percent of building cooled \_\_\_\_\_

No. of operating hours per week \_\_\_\_\_ No. of months operated per year \_\_\_\_\_

No. of production hours per week \_\_\_\_\_ (Times when the majority of the building is being used)

### Utility Info

Electric Utility \_\_\_\_\_ Electric Utility Account # \_\_\_\_\_

Gas Company \_\_\_\_\_ Gas Company Account # \_\_\_\_\_

Oil Supplier \_\_\_\_\_ Oil Supplier Account # \_\_\_\_\_

Does your building purchase any other energy (propane, chilled water, steam or other)  Yes  No

If so, please list the energy source(s) and account information \_\_\_\_\_

### Other Info

Does your facility use any electricity generated on site?  Yes  No

If so, please list the fuel source and amount of each: \_\_\_\_\_

What % of your total capacity are you currently running at: \_\_\_\_\_

**INSTRUCTIONS:** Please mail or email one completed Building Data Form for each building along with the most current 12 consecutive months or more of utility bills, or a completed and signed Utility Data Release Form to: Joe Carlamere, TRC Energy Services, 900 Rte. 9 North, Ste. 404, Woodbridge, NJ 07095 or benchmarking@trcsolutions.com



# Free Benchmarking Report



## Energy Benchmarking Addendum



### Additional Building Information

#### Operating Characteristics

Number of personal computers \_\_\_\_\_

Commercial food preparation area?  Yes  No      Number of walk-in refrigerators \_\_\_\_\_

Number of walk-in freezers \_\_\_\_\_

Commercial laundry on site?  Yes  No

Has in-unit (private) laundry?  Yes  No

Does the building have a pool? (check all that apply)  Yes  No       Indoor  Outdoor

Olympic 50X25     Recreational 20X15     Short Course 25X20

Building operated on weekends?  Yes  No

#### Barriers

What are your biggest challenges to implementing energy efficiency work? (check all that apply)

Funds: \_\_\_ Time: \_\_\_ Expertise: \_\_\_ Don't know how to get started: \_\_\_ Staff: \_\_\_ or Other (please explain): \_\_\_

#### CBECS Areas

Please enter the percentage of your gross area that can be characterized as one of the space types listed below. Do not count spaces twice; pick the most specific choice by using subtypes where applicable. For example, if you have a Medical Clinic, list that space in "Clinic/Other" not "Healthcare (Outpatient)." Total should equal 100%.

Space Type / Subtype	% of Gross Area	Space Type / Subtype	% of Gross Area
Food Sales	_____	Public Assembly	_____
Grocery Store / Food Market	_____	Entertainment / Culture	_____
Convenience Store	_____	Library	_____
Food Service	_____	Recreation	_____
Restaurant/Cafeteria	_____	Social / Meeting	_____
Fast Food	_____	Public Order and Safety	_____
Health Care (Inpatient)	_____	Fire/Police Station	_____
Specialty Hospital	_____	Courthouse	_____
Acute Care Hospital	_____	Service (Vehicle Repair, Postal Service)	_____
Children's Hospital	_____	Storage / Shipping / Warehouse	_____
Health Care (Long Term Care)	_____	Self Storage	_____
Health Care (Outpatient)	_____	Non-refrigerated Warehouse	_____
Medical Office	_____	Refrigerated Warehouse	_____
Clinic / Other	_____	Distribution/Shipping Center	_____
Lodging	_____	Retail (Non-mall Stores, Vehicle Dealership)	_____
Mall (Strip Mall or Enclosed)	_____	Other (please describe)	_____
Office Space	_____	Other (please describe)	_____

Sector Specific



5/09



# Free Benchmarking Report



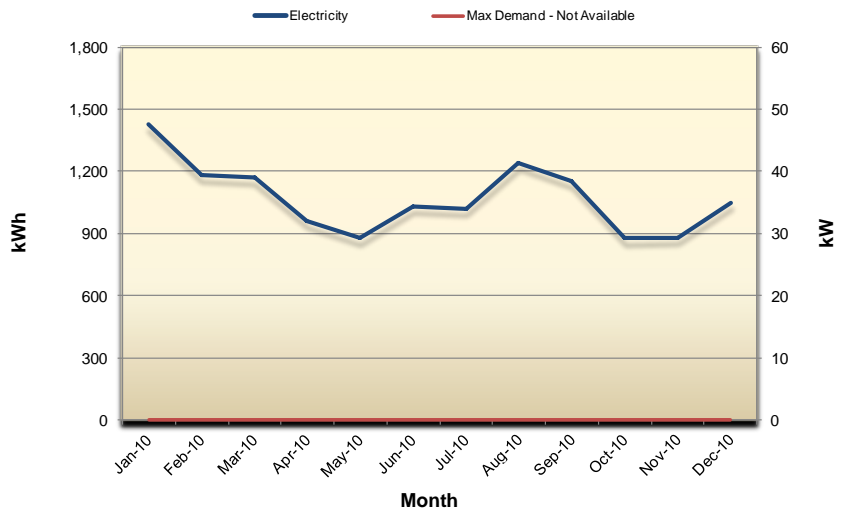
## FUEL RELEASE AUTHORIZATION FORM NEW JERSEY OFFICE OF CLEAN ENERGY

Property Information	Property Name _____			
	Property Address _____		City _____	State _____ Zip _____
	Contact Name _____		Contact Phone _____	Contact e-mail _____
Energy Provider Information	<b>ELECTRIC</b>	_____		
		Electric Utility Company _____	Account Number _____	
		Account Name _____	Account Mailing Address (if different from above) _____	City _____ State _____ Zip _____
		Other account numbers associated with this facility: _____		
	<b>NATURAL GAS</b>	_____		
		Natural Gas Utility Company _____	Account Number _____	
		Account Name _____	Account Mailing Address (if different from above) _____	City _____ State _____ Zip _____
		Other account numbers associated with this facility: _____		
	<b>OIL SUPPLIER</b>	_____		
		Oil Supplier Name _____	Account Number _____	
		Account Name _____	Account Mailing Address (if different from above) _____	City _____ State _____ Zip _____
	<b>OTHER</b>	_____		
	Propose, Steam, Chilled Water, etc. _____	Energy/Resource Provider _____	Account Number _____	
	Account Name _____	Account Mailing Address (if different from above) _____	City _____ State _____ Zip _____	
<p>By signing this form, I hereby authorize the New Jersey Office of Clean Energy (NJ OCE), or its designated representative, to obtain energy usage data, on my behalf, regarding my facility's past and present energy usage for the purpose of benchmarking my facility's energy usage efficiency. This data shall be kept confidential and shall NOT be shared with any third parties, other than those designated by NJ OCE for management of its energy efficiency programs. The data shall not be published or used for any other purposes without my expressed written consent.</p>				
Name of Authorized Representative (please print) _____		Title _____		
Signature _____		Date _____		
<i>Section Below is for Notary Public</i>				
Sworn and subscribed before me this _____ day of _____, 20____.				
		Signature of Official Administering Oath _____		
Place Notary Public Stamp Here _____		My commission expires _____		

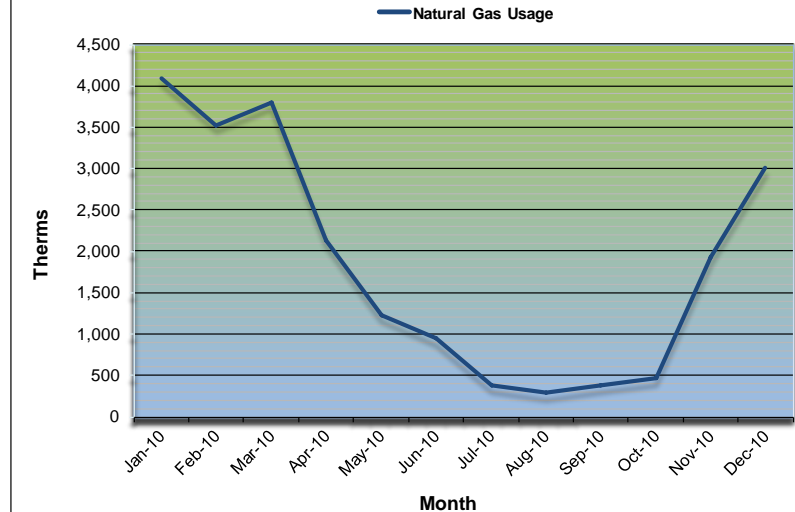


# Free Benchmarking Report

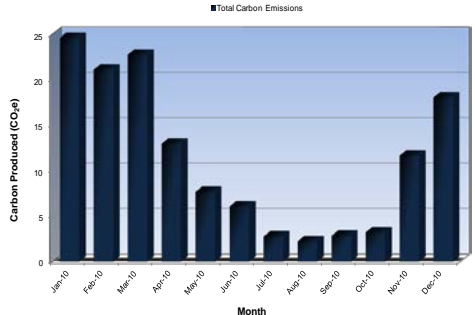
### Electricity Use & Max Demand Per Month



### Natural Gas Use Per Month



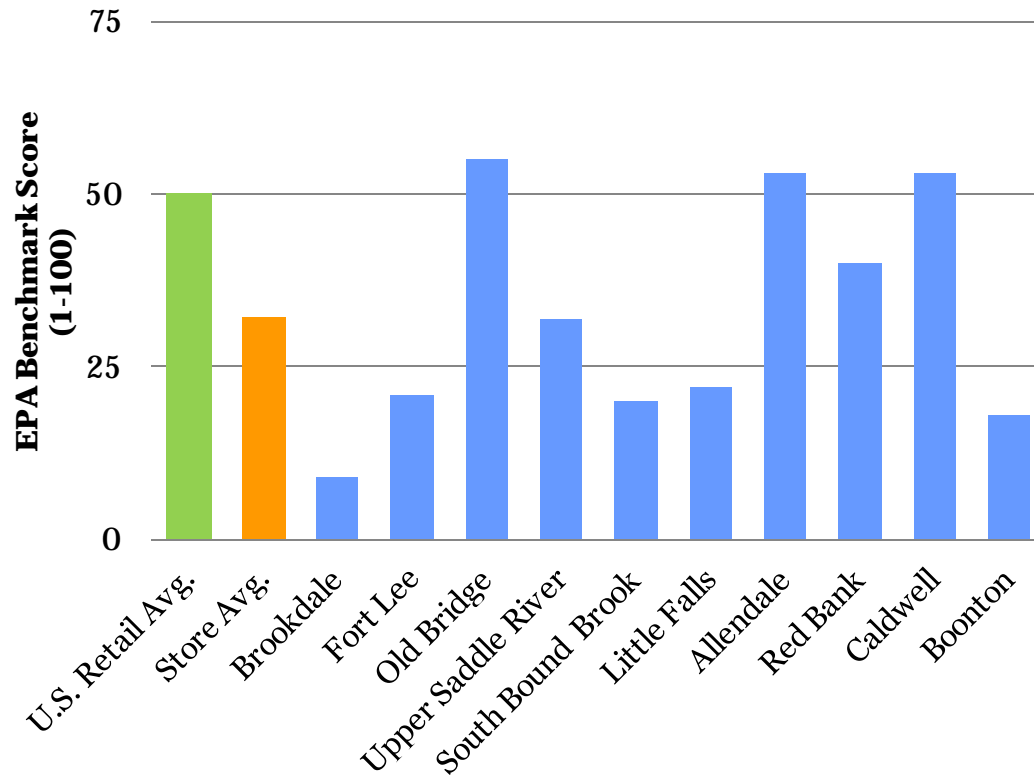
### Carbon Footprint (Emissions In Metric Tons)

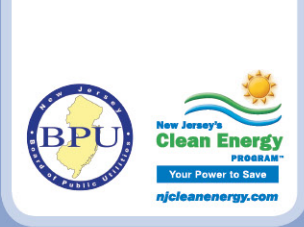




# Free Benchmarking Report

## EPA Benchmark Score





# Free Benchmarking Report

## Biggest Consumers, Most Potential for Savings

Electricity	Gas
1. Fort Lee	1. Brookdale
2. South Bound Brook	2. Upper Saddle River
3. Boonton	3. Allendale
4. Little Falls	4. Old Bridge
5. Brookdale	5. Fort Lee



# For More Information

Visit [NJCleanEnergy.com/SSB](http://NJCleanEnergy.com/SSB)

Call (866) NJSMART

For the latest updates on program announcements or new incentives, subscribe to the NJ Clean Energy E-Newsletter at [NJCleanEnergy.com](http://NJCleanEnergy.com)