



Making Sense of Utility Bills

27 February, 2012

BARR FOUNDATION

tBf The Boston
Foundation



Making Sense of Utility Bills

Agenda

- Program News & Updates
- The Bill
- Analyzing Data
- Communicating data to employees or occupants



Making Sense of Utility Bills

Program News & Updates

- [Challenge Awards](#)

Monday, March 12th, 5:30 – 7:30

Marliave



- Green Press contacts?



The Bill

This Supplier
page is for your
records. Please
use the stub on
page 1 to pay.



Making Sense of Utility Bills

The Bill

		Display Billing Period		Feb 1, 2012			
Utility Charges						Download	
Delivery Services (PRORATED)	Customer Charge						18.19
	Distribution Demand Charges						
			5.2	KW			0.00
	Transmission Demand Charges						
			5.2	KW			0.00
	Distribution	.02628	X	933	KWH		24.52
	Transition *	.00978	X	933	KWH		9.13
	Renewable Energy	.00050	X	933	KWH		0.47
	Energy Conservation	.00249	X	933	KWH		2.33
	Delivery Services Total						54.64
Supplier Charges						Download	
Supplier Account Number 1-836381042 Constellation Newenergy PO Box 25225 Lehigh Valley PA 18002-5225 (888)635-0827	Previous Bill						98.59
	Payment - Thank You						-98.59
	Current Supplier Charges						86.93
	Supplier Balance						\$86.93
	Supplier Activity Detail						
	Rate CNE 0000877 Dec 25, 2011 - Jan 25, 2012						
	Energy Charge	.087700	X	933	KWH		81.82
	Sales Tax						5.11
	Current Supplier Charges						\$86.93
Other Charges or Credits						Download	
Sales Tax							0.57

Effective 2/1 –
Rate
decreased to
.0697



Making Sense of Utility Bills

The Bill

- How are you billed – supplier, property manager or included in rent?
- If it comes from property management, do you have to ask or is it automatically supplied?
- Do you understand the bill or spreadsheet?
- Who is responsible for tracking usage or does someone just write a check?
- Would you like to have your own NSTAR meter?
- Do you have too many NSTAR meters?



Making Sense of Utility Bills

The Bill – Energy Link

Richard Boehler, NSTAR

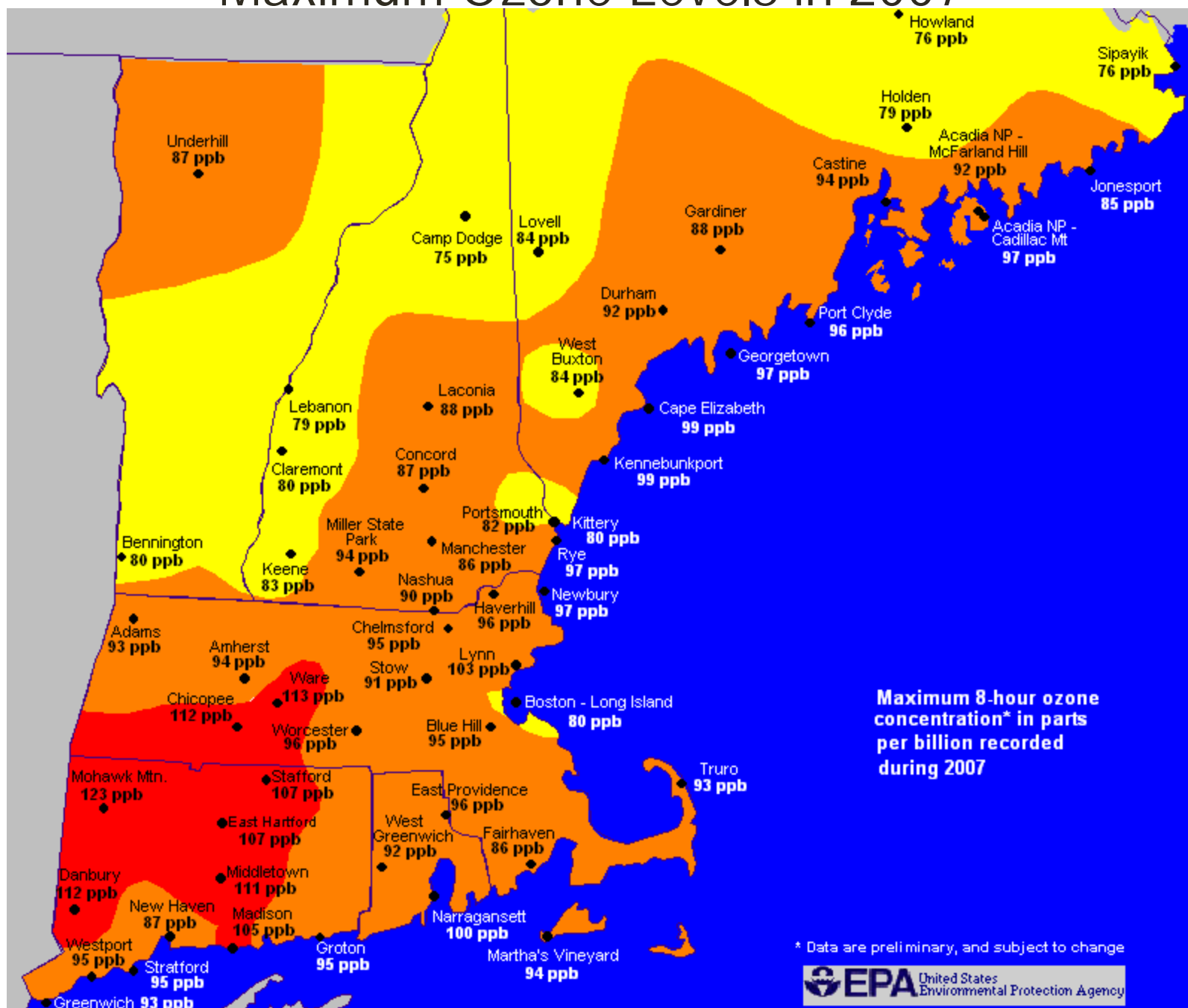
Richard.Boehler@nstar.com



ENERGY STAR®
Portfolio Manager
Energy Performance Rating System

*Jason Turgeon
US Environmental Protection Agency
02/28/2012*

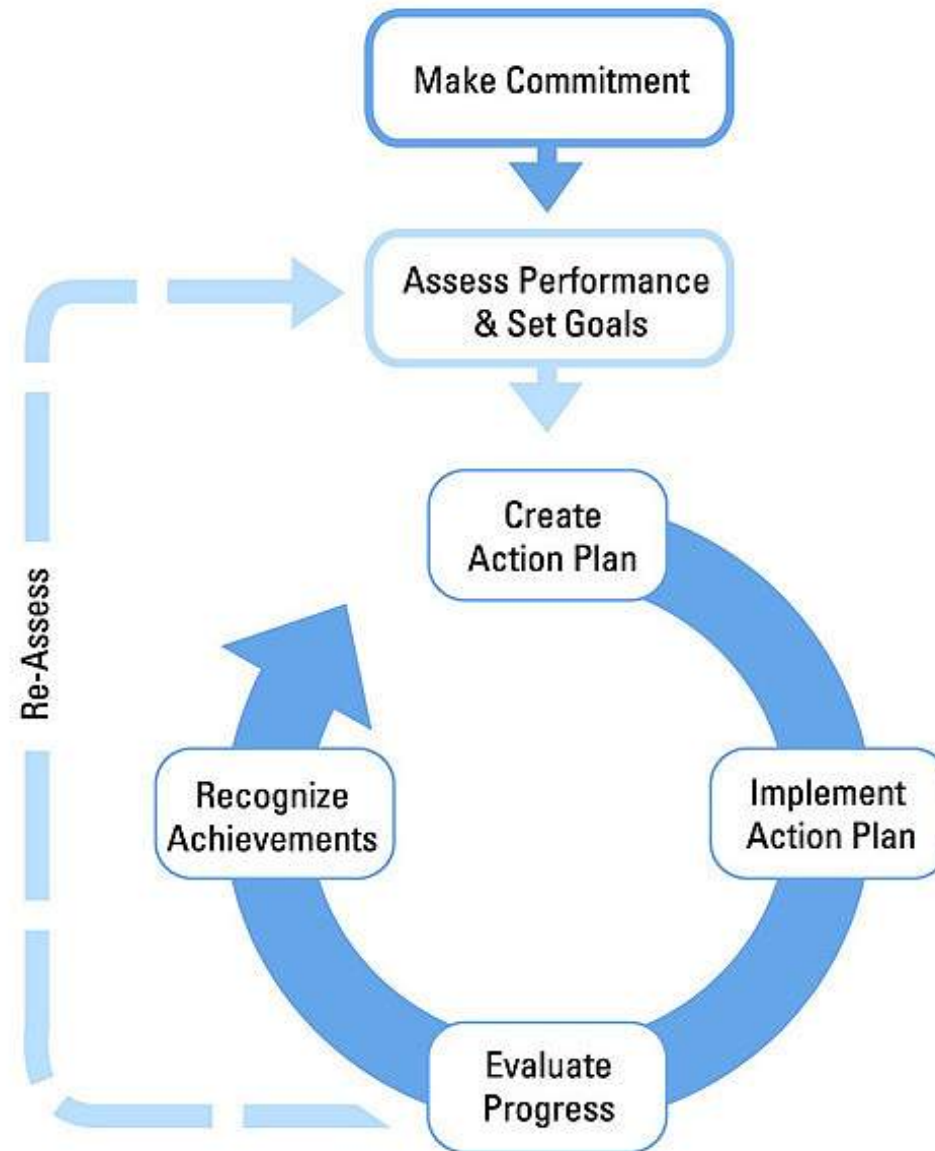
Maximum Ozone Levels in 2007







Successful Energy Management







Portfolio Manager



What Does it Do?



Slide 16

- JT3**
- Uses 1999 Commercial Building Energy Consumption Survey (CBECS) data
 - Compares subject building to similar buildings
 - Provides a statistically normalized score from 1 to 100
 - Calculates annual energy use intensity (kBtu/sq. ft)
 - Normalizes data for weather and climate
 - Securely hosts user's database of building data

Jason TURGEON, 8/7/2007

energystar.gov/
benchmark

Eligible Building Types



Hotels



Office Buildings



Courthouse



Schools



Medical Offices



Hospitals



Dormitories

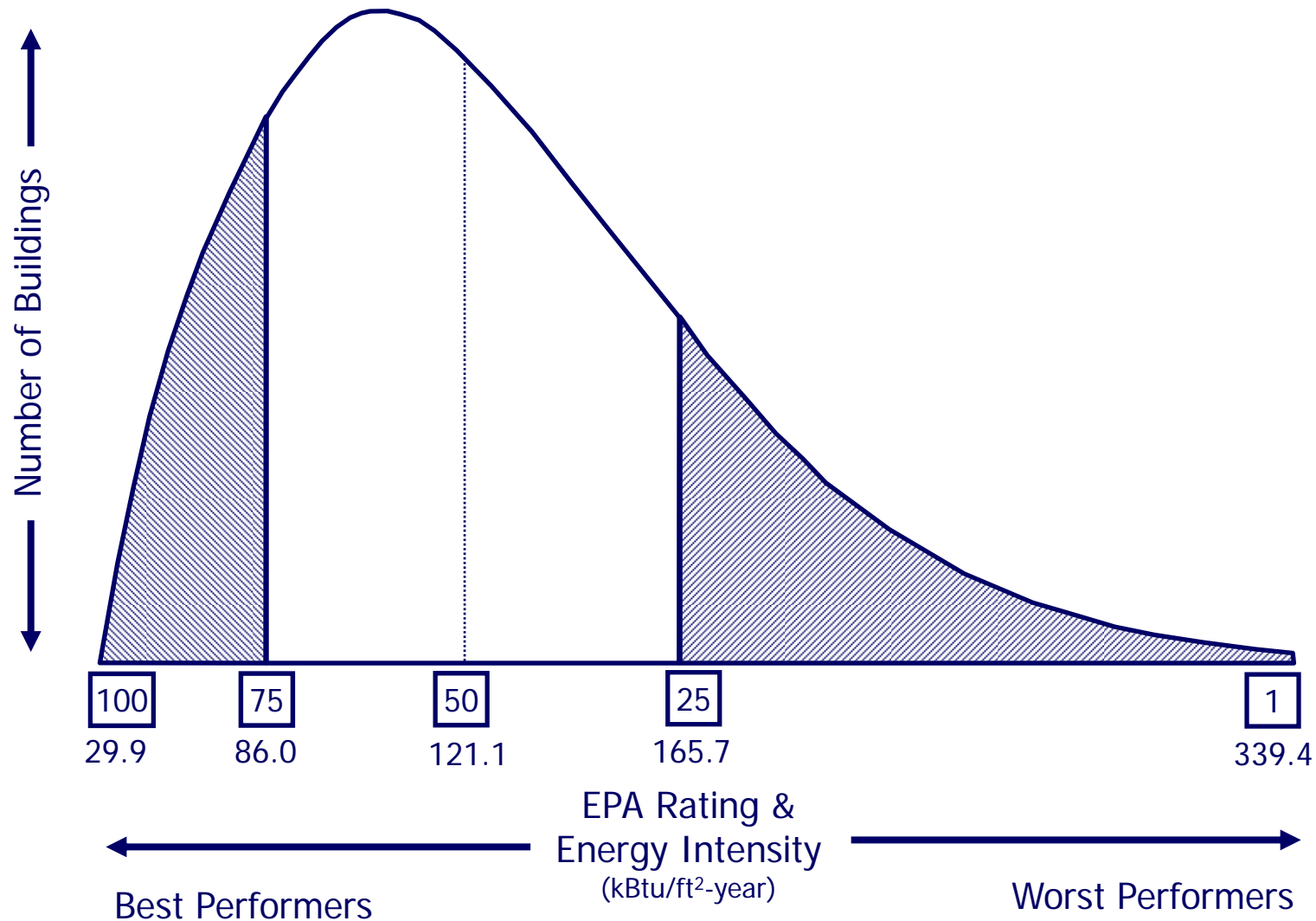


Grocery Stores



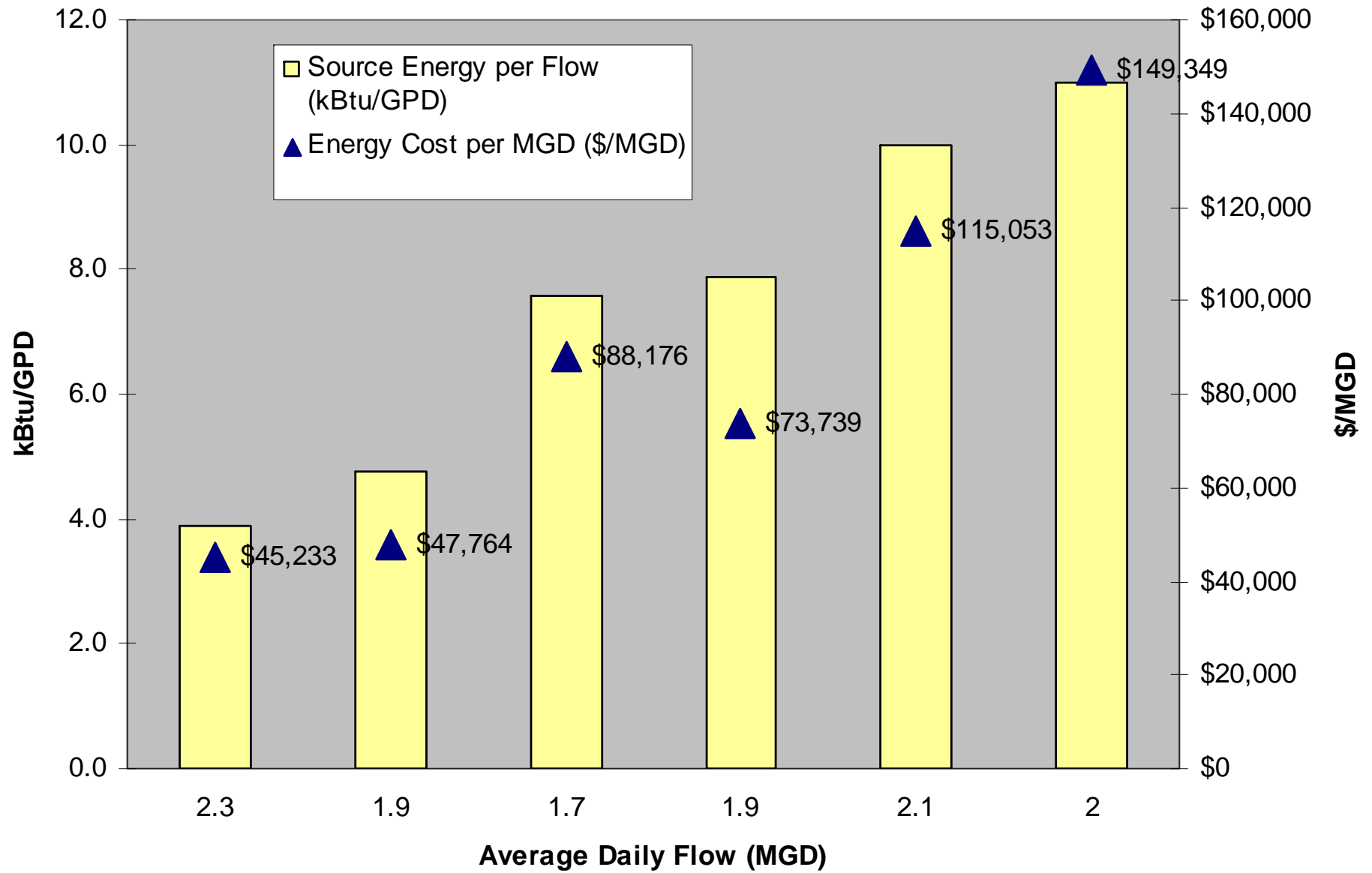
Warehouses

Non-Gaussian Distribution Curve For Energy Use



Energy Use and Cost vs Flow at similar sized plants

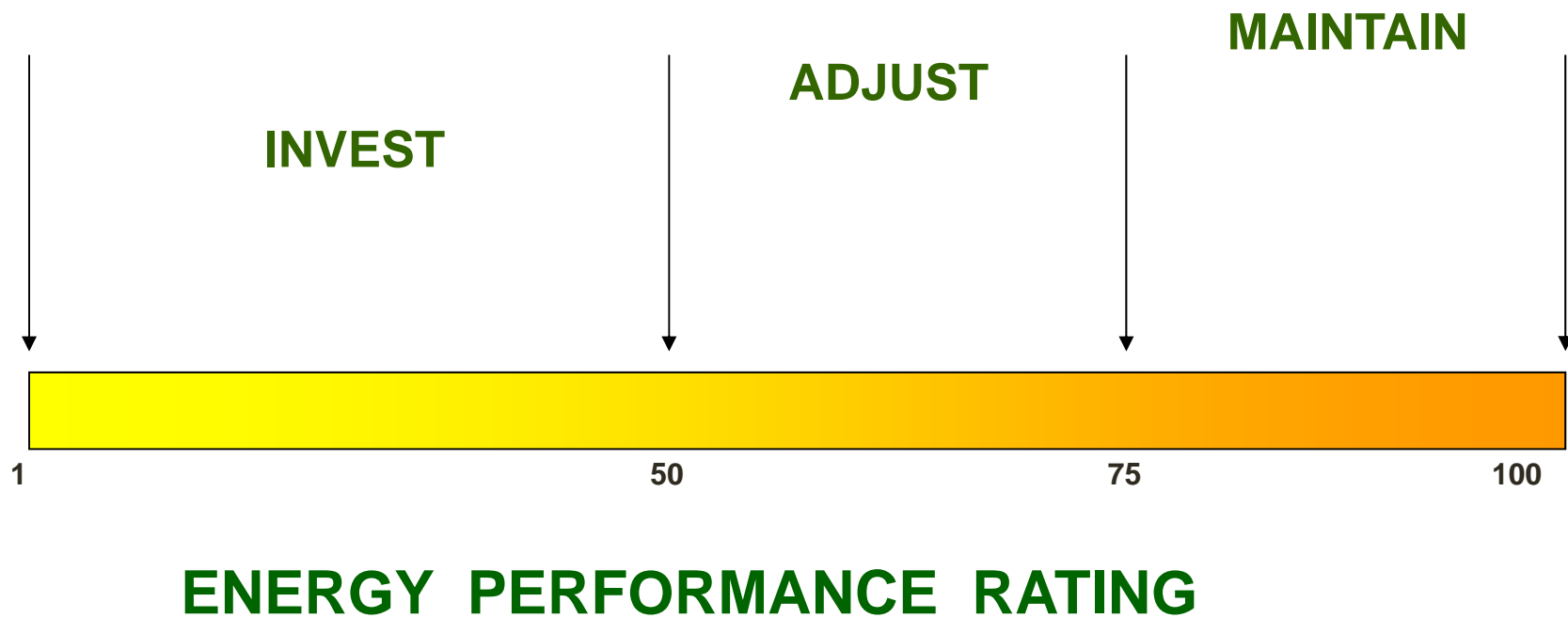
FY 2006 data



Plan



Now What?





Do



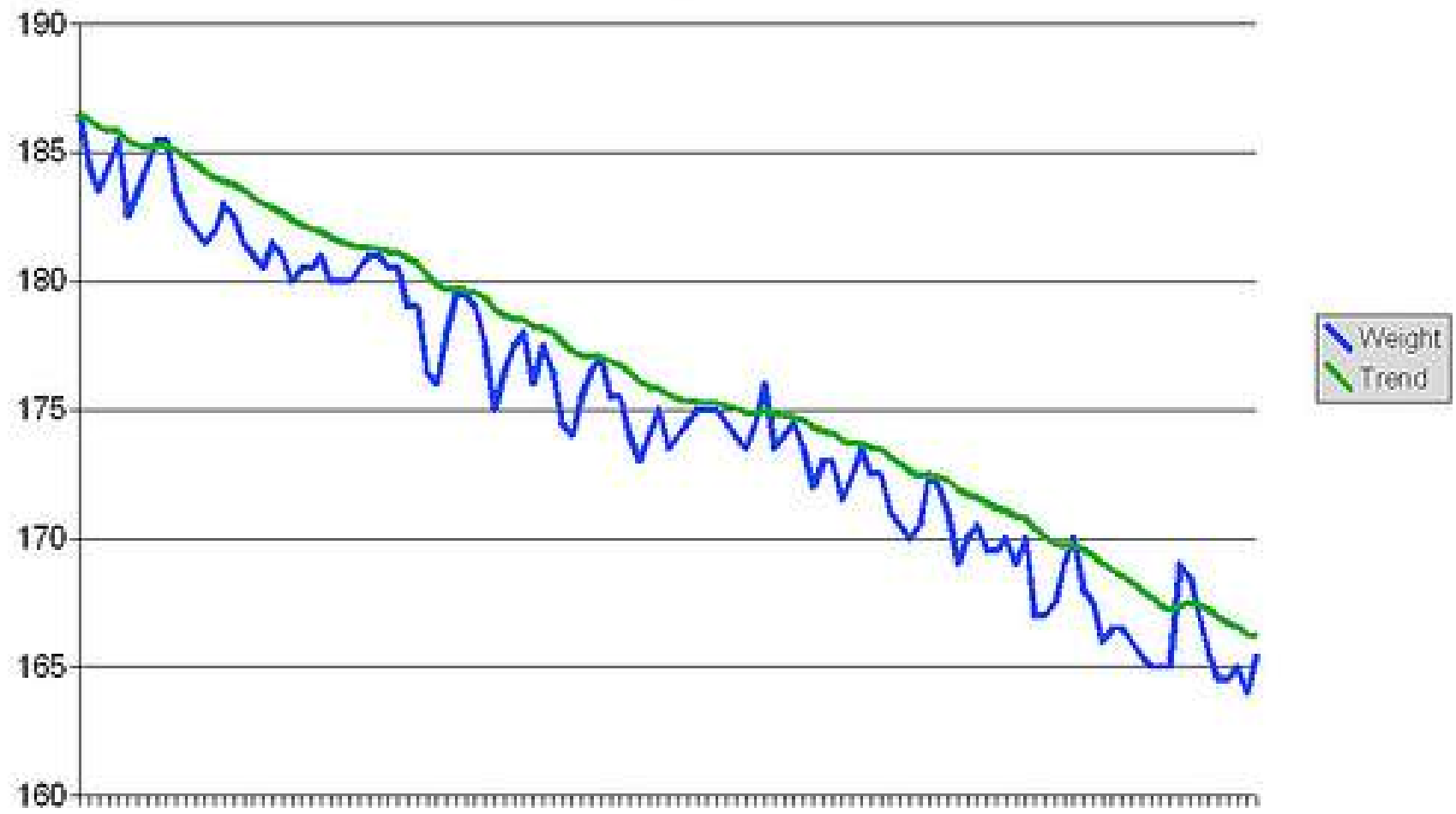
Do!





Check

Weight Loss



Act





Courtesy Port City Architects



Photo Credits

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- The End is Near: Delayed Gratification
- Pile of Money: noahwesley
- Fear of Commitment: Leslie Duss
- Inspection: kquedquest
- People Looking at Map: threelayercake
- Jumping Swimmers: Hidden side
- Plumber: NoMoTo
- Roller Coaster: Sven Werk
- Downward Trend: nogwater
- Target: Matthew McVickar
- Award: shannonmary
- Fine Current Adjustment Dial: thespacesuitcatalyst
- Apples and Oranges: rebel prince
- Bad Apple: atypically_me
- Basketball: sgoogle
- Building with Cactus: ralphTQ
- Building with Snow: Justin Russell
- Calculator: Tube Design
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- Padlock: Zebble
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- Books: Feuillu
- Librarian with head on books: cindiann
- Librarian with card catalog: valkyrieh116
- Firefighter: djarvinen

Contact Us

If it's not energy efficient ...



...it's not sustainable

EPA New England

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[www.epa.gov/region01/
eco/energy](http://www.epa.gov/region01/eco/energy)

Making Sense of Utility Bills

Analyzing Data

Accounting for Variances:

weather

number of employees or occupants

behavior campaign

technology



Making Sense of Utility Bills

Communicating Data

Message – understandable and relevant
[EPA carbon equivalents calculator](#)

Method

- Lobby
- Elevator
- LED display
- Signage
- Intranet
- Emails
- Meetings

