

Monthly Critical Update – April 2015

Welcome to the second Critical Update. This month will focus on Energy Programs. There are so many to choose from that it can be extremely overwhelming. So, to start we want to take a look at your bill from your energy provider to...

- Make sure you are paying what you should be.
- Determine the best program for you.

Note: The bill below is a United Illuminating sample, but the same information is provided on a bill from Eversource.

Demand Charges

What Your Bill Is Telling You (u)

New Charges & Credits				
POD 1250026112020	(CYCLE 05)			
Current Supplier: THE UNITED ILLUMINATING COMPANY				
Generation Services Charge	1920 kWh X \$0.106135	\$	203.78	
Total Generation Services Charges		\$	203.78	2
Transmission per kw	5.8 kW X \$2.020000	\$	11.72	
Distribution Basic Service		\$	39.19	
Distribution per kw	5.8 kW X \$6.120000	\$	35.50	3
Distribution per kWh	1920 kWh X \$0.019048	\$	36.57	
Combined Public Benefits Charge	1920 kWh X \$0.007512	\$	14.42	4
Competitive Transition Assessment per kWh	1920 kWh X \$0.015222	\$	29.23	
Non-Bypassable FMCC per kWh	1920 kWh X \$0.006641	\$	12.75	
Decoupling Adjustment	1920 kWh X \$0.000291	\$	0.56	
Pension Tracker and Earnings Sharing	1920 kWh X \$0.000689-	\$	1.32	
Total Delivery Charges		\$	178.62	
CT Sales Tax on Electricity		\$	14.76	1
Total New Charges		\$	397.16	

Electricity Usage						
Meter	Service Period	Meter Reading	Multiplier		Kilowatt Hours	Demand kW
		Current Last				
000000000	30 days	04612 - 04606	X	80 =	480 kWh	5.1
Shoulder	30 days	02205 - 02199	X	80 =	480 kWh	5.1
Off Peak	30 days	03352 - 03340	X	80 =	960 kWh	5.8

1. The first thing you should be aware of is that as a manufacturer you should not be paying taxes on your energy bill. If you are, you are entitled to up to a 3 year refund.
2. This highlights the energy generation or how much energy you use – this is something to keep an eye on as far as rates.
3. This highlights the distribution costs or how fast you use the energy – this is an area that most programs focus on reducing.

4. Finally, the Combined Public Benefits Charge is the fee you pay each month to fund the following programs, so you might as well take advantage of them – after all, you’re already paying for them.

Program Highlight:

Energy Programs

If you are paying less than \$3,000 a month for your energy bill, there are several small programs available to you but the best place to start would be the Small Business Energy Advantage Program. This program will help you to identify energy cost reduction opportunities and determine what programs would work best for you.

Small Business Energy Advantage- Program

- Description:
 - o This program provides manufacturers with...
 1. Free energy opportunities assessment – focus on lighting, HVAC, refrigeration, air compressors, & motor drives
 2. Comprehensive proposal includes all eligible energy efficiency measures, complete with material and installation costs and estimated savings
 3. You decide what improvements make sense for you; there’s no obligation to install
 4. Incentives up to 50 percent of the installed cost. One-year warranty on contractors’ parts and labor
 - b. Cost:
 - i. There’s no initial fee. If you choose to upgrade any of your systems, there are incentive programs that pay 30% to 50% percent of the installed cost as well as zero-interest and low-cost financing * (payable on your monthly electric bill, so you only have one monthly payment)

Note: *Must qualify for financing

Once you’ve gone through this program, there are several other programs available through the federal government, as well as other organizations like DECD. Start by talking to your local utility (Eversource or United Illuminating).

Other questions that are relevant are...

1. Are you planning on purchasing a new piece of equipment?
2. Are you planning an expansion?
3. Do you have an older compressor, furnace or boiler?
4. Do you need an upgrade to your HVAC?
5. Do you use a lot of water?
6. Are you looking to convert from oil to natural gas?

If you can answer “yes” to any of these questions, you may qualify for a larger program. If so, contact CTmrg for a vendor referral.

Funding Highlight:

Small Business Energy Advantage is an Energize CT program, and is funded through the Combined Public Benefits Charge highlighted on the bill above.

Vendor Highlight:

In this case, the administrators for these programs are Eversource and United Illuminating, and they can provide you with both direct assistance and referrals to approved program contractors.

So what's next?

Step 1 – Contact CTmrg if you answered “yes” to any of the questions above. If you need a human resources consultant, please contact CTmrg, and we will provide you with a vetted resource.

Step 2 – Contact your energy provider for a Small Business Energy Assessment.

Step 3 – Work with your energy vendor to create a strategy-that works for you.

Step 4 – Implement the strategy-through the program and begin saving.

Step 5 – Stay in touch with CTmrg to let us know how it's going and provide feedback on the quality of the programs you've implemented.

Your Financial Benefit:

Your initial investment of time for participating in these programs will pay off with significant savings in energy, waste stream and production costs. While the near-term gains to be captured make these programs a great value, the real benefit is in the long-term improvements and cost reductions to be had by implementing the learned concepts and technologies throughout your operations.

It is not uncommon for companies adopting this continuous improvement approach towards energy management to realize bottom line improvements ranging from 10% to 30%.