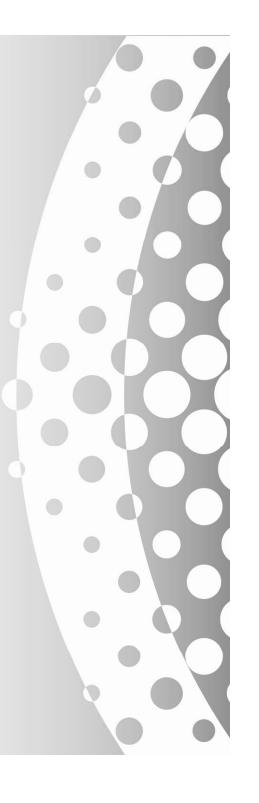


# The New IEC Natural Gas Program

for

North Boone County CUSD #200



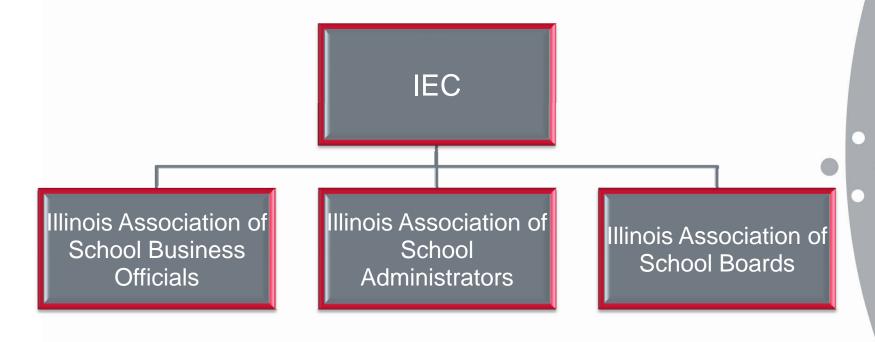
## Illinois Energy Consortium (IEC) Overview

- •The Illinois Energy Consortium (IEC) was formed in 1999 as an Illinois not-for-profit corporation and is a state-wide energy purchasing consortium.
- •The IEC is a joint program sponsored by the Illinois Association of School Boards (IASB), Illinois Association of School Administrators (IASA), and Illinois Association of School Business Officials (IASBO).
- •The combined membership of IASB, IASA, and IASBO includes about 900 public school districts.
- •The IEC board has nine Directors with three directors from each of these associations.





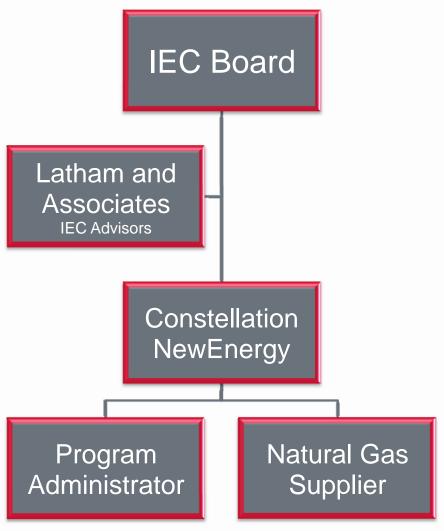
# IEC Board – 9 Board Members, 3 from each Association







# **IEC Natural Gas Program Management**







# IEC Natural Gas Program - At A Glance

- 1. 300 Members with over 1,300 utility account numbers with 42 million therms (4.2 bcf) of annual usage
- 2. 115 Members joined the program in last 18-months.
- 3. Open to all public schools district, private schools, junior colleges, colleges, universities, and intergovernmental agencies in Illinois.
- 4. Our Natural Gas Program Administrator and Supplier (NewEnergy Gas) has 15+ years experience serving Illinois based accounts
- 5. Open to perspective members behind the following utilities:
  - Ameren (IP, Cilco, CIPS)
  - MidAmerican
  - Nicor Gas
  - North Shore Gas
  - Peoples Gas





# IEC Natural Gas Program Goal & Purpose

- The IEC team will help you control natural gas costs & aid in achieving your energy budget goals.
- A great side benefit for our members is that our programs have outperformed the utility's energy costs in the past but that is not the purpose of our programs.
- Our main purpose is to help our members with energy budget accuracy and help them avoid the volatile energy price spikes that the U.S. energy market has endured over the past ten years.





#### **Member Focused Model**

The IEC shall function as your full-service natural gas provider – an extension of your staff

- Unparalleled Service, Information, & Education
  - Dedicated Account Manager
  - Web-based customer information system (EnerPro®)
  - Annual Energy Conferences and Regional Workshops



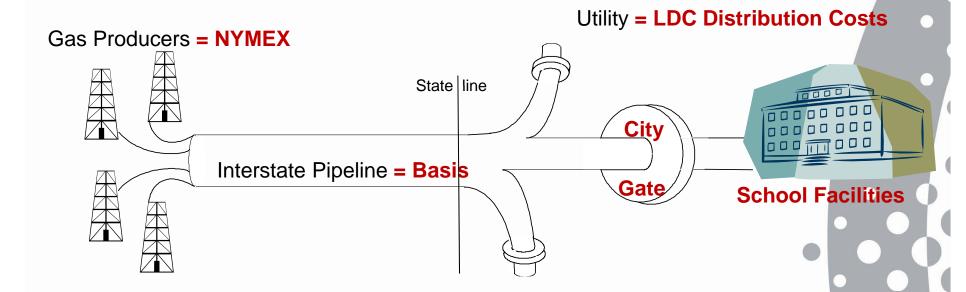


# Natural Gas Cost Components and Energy Market Volatility





# Gas 101 - Natural Gas Delivery System



#### Production

#### **Transportation**

#### Distribution

#### Consumption

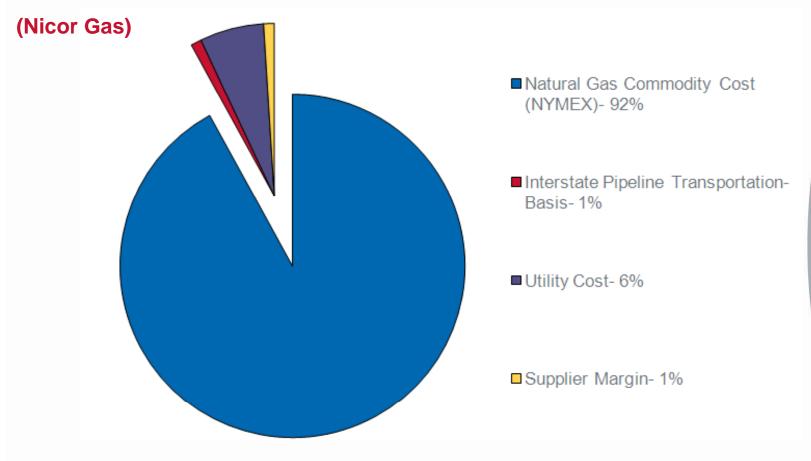
Natural gas exploration & production companies Interstate gas pipelines moving gas to utilities

Local gas utilities delivering gas to end-users Burning gas for heat and process applications





# **Natural Gas Cost Components**



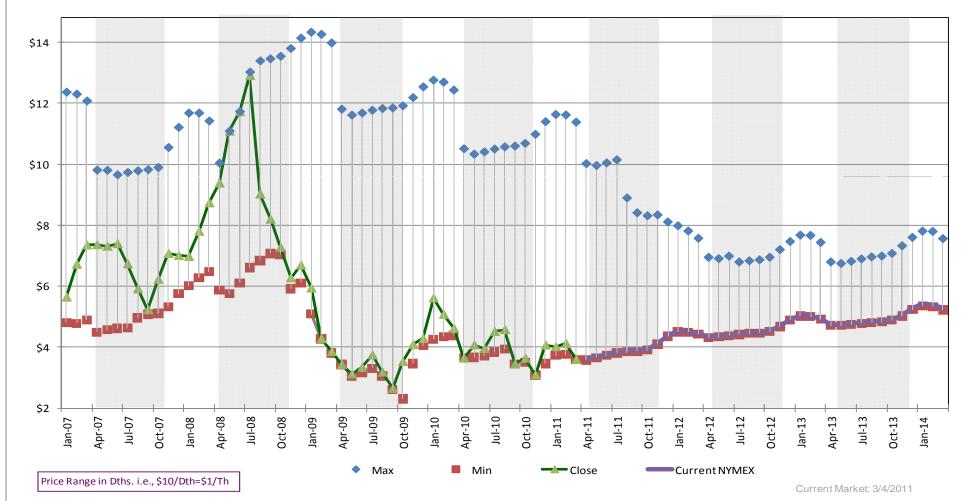
The NYMEX Commodity Cost is your largest expense. We have the tools to help you manage NYMEX price volatility.





# NYMEX Futures – Historical Settles and Forward Analysis









11

Source: NYMEX

# **Natural Gas Load Profile Analysis**

#### North Boone CUSD #200 Natural Gas Load Profile Analysis Summary

#### Summary Load Profile (based on 2 Yr. Avg. of each account)

Account #	2742832000	7689333323	4385732000	8975732000	1156991000	6391601670	TOTALS
Rate	94	74	94	94	94	4	
MDCQ	244	762	461	390	519	-	2,376
Storage Capacity	7,564	23,622	14,291	12,090	16,089	-	73,656
Facility Name Meter	Capron Elementray	North Boone H.S.	North Boone Middle	Poplar Grove School	North Boone Upper Elementary	Administration Building	
Address	200 N Wooster St Poplar Grove, IL	17823 Poplar Grove Rd Poplar Grove, IL	17641 Poplar Grove Rd Poplar Grove, IL	208 N State St Poplar Grove, IL	6200 N Boone School Rd Poplar Grove, IL	6248 N Boone School Rd Poplar Grove, IL	
Month	(therms)	(therms)	(therms)	(therms)	(therms)	(therms)	2-Yr Avg.
January February March April May June July August September October November December	5,119 3,791 3,010 1,675 340 10 7 8 102 1,856 2,942 4,759	15,672 12,686 9,164 6,140 4,773 1,079 255 425 2,314 5,192 8,827 13,969	8,453 6,119 4,713 3,393 1,204 150 130 85 444 3,629 4,770 8,069	7,726 5,905 4,296 2,265 813 110 47 79 443 2,155 4,131 7,147	9,008 5,861 4,348 2,533 1,223 422 306 303 743 2,252 3,811 7,677	1,097 891 458 60 62 69 11 21 85 278 583 939	47,074 35,252 25,989 16,065 8,414 1,839 755 919 4,129 15,361 25,064 42,559
	23,616	80,492	41,156	35,115	38,484	4,553	223,415

Winter Usage	175,936	79%
Summer Usage	47,480	21%





# The New IEC Natural Gas Program Details





## Why district's have joined the IEC Natural Gas Program:

- The Power of "POOLING"
- Account Management Dedicated resources to serve your needs
- Choices You choose the program that best fits your needs and requirements
- Payment Terms 45-day payment terms with an optional early pay discount program
- EnerPro® Web-based customer reporting system





# The Power of "Pooling"

 Receive the benefits of combining your natural gas needs with all the other IEC members behind your utility

 Pool members can benefit directly by increased purchasing leverage and efficiency

 Critical Day protection with "superpooling"





# **Account Management**

You will have your own dedicated account manager

#### Liz Peronto:

- assigned to your accounts
- available by a toll-free number (888-579-6600)
- responsible for managing your accounts
- monitoring the program option you implement
- available for all questions
- for special reporting requests

# The IEC is an extension of your staff





# **IEC Natural Gas Program Options**

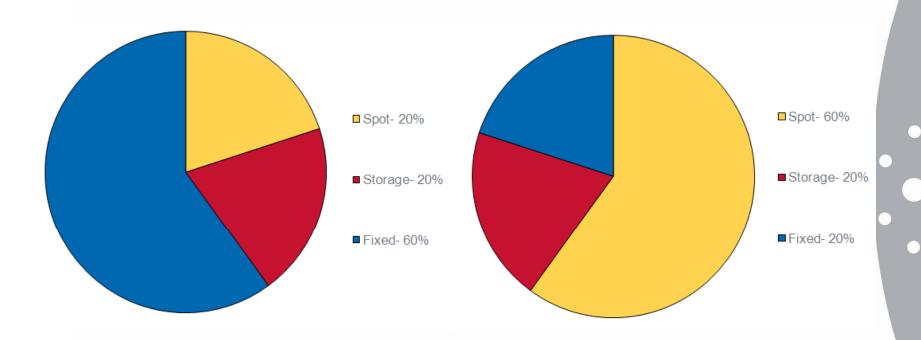
The new IEC natural gas program has three options:

- A. The "Managed Program", a hands-off minimal involvement program.
- B. The "Customized Portfolio" a hands-on you make the decisions program
- C. The "Spot Pool Program" where all your needs float with the IEC Spot Pool Price





# Choose a program option based on your price risk tolerance (Nicor Gas)









# Program Choice should be based on your specific purchasing strategy and goals

#### **BUDGET ACCURACY**

Knowing in advance how much you will pay for a defined volume in a future month.

#### **SPIKE AVOIDANCE**

Knowing in advance that your exposure to high-end volatility (price spikes) will be limited.

#### **BEATING THE UTILITY**

Paying a lower price than the prevailing utility natural gas cost.





# The IEC "Managed Program"

(Only for accounts behind Nicor Gas)

- IEC Advisors, Board, and Constellation NewEnergy develop and execute a diversified portfolio to mitigate natural gas price risk
- 2. Fully automated program Minimal input required
- 3. Storage Release "Shared Savings" Program for all members.

Turn-key solution – just select the option and your involvement is done!





# The IEC "Managed Program" – Budget Forecast



#### North Boone County CUSD 200

OPTION A "IEC MANAGED PROGRAM" with Storage Release Shared Savings Program BUDGET FORECAST for July 2011 through June 2012

Constellation Energy

7711.	NICOR											Last Updated:	3/7/2011
	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Tota
Net Usage	755	919	4,129	15,361	25,064	42,559	47,074	35,252	25,989	16,065	8,414	1,839	223,415
C D.1! 1 Th	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	220 721
Gross Delivered Therms:	<b>772</b> 756	<b>940</b> 920	<b>4,227</b> 4,134	<b>15,726</b> 15,383	<b>25,659</b> 25,099	<b>43,569</b> 42,619	<b>48,192</b> 47,141	<b>36,089</b> 35,302	<b>26,606</b> 26,026	<b>16,446</b> 16,088	<b>8,613</b> 8,426	<b>1,883</b> 1,842	228,721 223,735
Net Delivered Therms (less utility loss factor)	750	920	4,134	13,363	23,099	42,019	47,141	33,302	20,020	10,000	0,420	1,042	223,733
Deliveries:													
IEC SPOT POOL GAS for usage	772	940	4,227	15,726	19,393	32,930	36,423	27,276	20,109	16,446	8,613	1,883	184,737
Estimated NYMEX price per therm	\$0.3961	\$0.4000	\$0.4040	\$0.4058	\$0.4300	\$0.4540	\$0.4687	\$0.4700	\$0.4620	\$0.4529	\$0.4562	\$0.4597	\$0.4519
IEC Option A Gas Hedged as of today	. 0	0	0	0	6,266	10,640	11,768	8,813	6,497	0	0	0	43,984
WACOG NYMEX price per therm	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.5670	\$0.5670	\$0.5670	\$0.5670	\$0.5670	\$0.0000	\$0.0000	\$0.0000	\$0.5670
Estimated Basis Volume	755	919	4,129	15,361	25,064	42,559	47,074	35,252	25,989	16,065	8,414	1,839	223,415
Estimated Basis Volume Price per ther		\$ 0.0238											\$0.033
Commodity & Utility Consumption Charge													
Commodity Charge *	\$324	\$399	\$1,808	\$6,787	\$12,238	\$21,827	\$24,851	\$18,657	\$13,542	\$7,805	\$4,116	\$906	\$113,26
Wgt Avg Cost/Therm	\$0.4299	\$0.4339	\$0.4380	\$0.4419	\$0.4883	\$0.5129	\$0.5279	\$0.5292	\$0.5211	\$0.4859	\$0.4893	\$0.4928	\$0.5070
EST Utility Distribution Charges without taxes	\$ 484	\$ 491	\$ 632	\$ 1.027	\$ 1,366	\$ 1,981	\$ 2.219	\$ 1,785	\$ 1.461	\$ 1.077	\$ 796	\$ 534	\$13,85
E31 Offinty Distribution Charges without taxes	\$0.6412	\$0.5346	\$0.1530	\$0.0668	\$0.0545	\$0.0465	\$0.0471	\$0.0506	\$0.0562	\$0.0670	\$0.0946	\$0.2903	\$0.0620
IEC Per Account Member Fee	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$1,440
6													
Est. "Shared Savings" Storage Discount	\$0	\$0	\$0	\$0	(\$242)	(\$412)	(\$455)	(\$341)	(\$251)	\$0	\$0	\$0	(\$1,702)
TOTAL NATURAL GAS	\$933	\$1,015	\$2,584	\$8,026	\$13,632	\$23,771	\$27,017	\$20,433	\$15,027	\$9,099	\$5,083	\$1,571	\$128,191
COSTS	, i										. ,		
00313	\$1.2362	\$1.1051	\$0.6260	\$0.5225	\$0.5439	\$0.5586	\$0.5739	\$0.5796	\$0.5782	\$0.5664	\$0.6041	\$0.8544	\$0.5738
* IEC Consumption Charge includes NICOR utility loss factor.													
Spot Market Price	¢ 0.2061	\$ 0.4000	\$ 0.4040	\$ 0.4058	\$ 0.4300	\$ 0.4540	\$ 0.4687	\$ 0.4700	\$ 0.4620	\$ 0.4529	\$ 0.4562	\$ 0.4597	
Spot Market Frice	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	





## The "Customized Portfolio"

(Only for accounts behind Nicor Gas)

- 1. You help design the Portfolio, a more handson approach
- 2. You decide the volumes and you choose the hedging program method (traditional or M.V.P.)
- 3. You have the additional choice of the Managed Storage Program option in lieu of the Storage Release Program.
- Hands-on, you tell the IEC how much and when to buy!

  Typically members that have an experienced energy buyer on staff select this option.





# The IEC "Spot Pool Price" Program –

**Best Performing Program since 2008 Financial Bubble Broke!** 

- 1. All your gas needs are priced monthly on the IEC Spot Pool Price your gas price changes every month.
- 2. Flexibility to switch to the other two IEC program options\*\*
- 3. Storage Release "Shared Savings" Program for all members.

First started as a program for members that have a mandate or resolution against "hedging" energy prices select this option.





<sup>\*\*</sup>one time per school year

# IEC "Spot Pool Price" – Budget Forecast



"OPTION C" IEC Spot Pool Program with Storage Release Shared Savings Program

BUDGET FORECAST for July 2011 through June 2012



WW.	NICOR				, ,	, ,		3,				Last Updated:	3/7/2011
	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Total
Net Usage	755	919	4,129	15,361	25,064	42,559	47,074	35,252	25,989	16,065	8,414	1,839	223,415
	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	-,
Gross Delivered Therms:	772	940	4,227	15,726	25,659	43,569	48,192	36,089	26,606	16,446	8,613	1,883	228,721
Net Delivered Therms (less utility loss factor)	756	920	4,134	15,383	25,099	42,619	47,141	35,302	26,026	16,088	8,426	1,842	223,735
Deliveries:													
IEC SPOT POOL GAS for usage	772	940	4,227	15,726	25,659	43,569	48,192	36,089	26,606	16,446	8,613	1,883	228,721
Estimated NYMEX price per therm	\$0.3961	\$0.4000	\$0.4040	\$0.4058	\$0.4300	\$0.4540	\$0.4687	\$0.4700	\$0.4620	\$0.4529	\$0.4562	\$0.4597	\$0.4533
Estimated Basis Volume	755	919	4,129	15,361	25,064	42,559	47,074	35,252	25,989	16,065	8,414	1,839	223,415
Estimated Basis Volume Price per ther	\$ 0.0238	\$ 0.0238	\$ 0.0238	\$ 0.0258	\$ 0.0355	\$ 0.0355	\$ 0.0355	\$ 0.0355	\$ 0.0355	\$ 0.0217	\$ 0.0217	\$ 0.0217	\$0.0337
Commodity & Utility Consumption Charge													
Commodity Charge *	\$324	\$399	\$1,808	\$6,787	\$11,944	\$21,327	\$24,298	\$18,243	\$13,236	\$7,805	\$4,116	\$906	\$111,195
Wgt Avg Cost/Therm	\$0.4299	\$0.4339	\$0.4380	\$0.4419	\$0.4766	\$0.5011	\$0.5162	\$0.5175	\$0.5093	\$0.4859	\$0.4893	\$0.4928	\$0.4977
EST Utility Distribution Charges	\$ 484	\$ 491	\$ 632	\$ 1,027	\$ 1,366	\$ 1,981	\$ 2,219	\$ 1,785	\$ 1,461	\$ 1,077	\$ 796	\$ 534	\$13,851
	\$0.6412	\$0.5346	\$0.1530	\$0.0668	\$0.0545	\$0.0465	\$0.0471	\$0.0506	\$0.0562	\$0.0670	\$0.0946	\$0.2903	\$0.0620
IEC Per Account Member Fee	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$120	\$1,440
6													
Est. "Shared Savings" Storage Discount	\$0	\$0	\$0	\$0	(\$334)	(\$566)	(\$626)	(\$469)	(\$346)	\$0	\$0	\$0	(\$2,341)
	4000		da =0.4	40.0 <b>2</b> (	440.045	******* <b>*</b>	40.000	440.000	<b>***</b> ***	40.000	<b>4=</b> 00 <b>0</b>	h. ==.	<b>4405</b> 405
TOTAL NATURAL GAS	\$933	\$1,015	\$2,584	\$8,026	\$13,247	\$23,117	\$26,293	\$19,890	\$14,627	\$9,099	\$5,083	\$1,571	\$125,485
COSTS	\$1.2362	\$1.1051	\$0.6260	\$0.5225	\$0.5285	\$0.5432	\$0.5586	\$0.5642	\$0.5628	\$0.5664	\$0.6041	\$0.8544	\$0.5617



 Spot Market Price
 \$ 0.3961
 \$ 0.4000
 \$ 0.4040
 \$ 0.4058
 \$ 0.4300
 \$ 0.4540
 \$ 0.4687
 \$ 0.4700
 \$ 0.4620
 \$ 0.4529
 \$ 0.4562
 \$ 0.4597

 Forecast
 Forecast</t

Disclaimer: The preceding information is based upon market price estimates, estimated usage, and therefore, cannot be construed as a formal offer or as a guaranteed delivered price.





# **Managed Storage Program Details**

(For Nicor Gas "Hands-on" members)

The Managed Storage Program, is an actively managed, pay-as-delivered program that:

- Historically, provided natural gas cost avoidance opportunities averaging \$0.09 per therm
- Offers enhanced reliability and Critical Day protection
- Offers a flexible, cost efficient & key component of a diversified purchasing plan
- Smoothes out Cash Flow by building an inventory of natural gas during the summer months and withdrawing gas during the winter months
- Has no incremental charges for using a Member's storage capacity





## **Storage Release "Shared Savings" Program Details**

(Only for accounts behind Nicor Gas)

- Pay-for-consumption based program managed without the Member investing in storage gas with the primary objective of achieving discounted winter pricing:
  - Open to all IEC members behind the Nicor Gas utility
  - Has IEC members opting for the IEC to actively manage their storage capacity throughout the year (versus picking one point-in-time to value storage)
  - Passes shared storage savings on to IEC members, through discounted winter pricing averaging \$0.013 per therm





#### **Payment Terms:**

- Net 45-Day Terms with an Optional Discount Program for Early Payment of minus (-)\$.0015 per billed therm discount will be credited in the succeeding monthly invoice statement.
- We bill on or about the 10<sup>th</sup> of the month, if you can pay by the 25<sup>th</sup> of the month, you get the discount, if not you have the balance of the 45-day terms.

#### **Payment Methods:**

- Check
- ACH Payment
- Wire Transfer





# **EnerPro**® Web-based customer reporting tool





EnerPro® provides you with facility specific reports, such as:

Monthly invoices

Daily gas consumption reports

Historical gas consumption reports

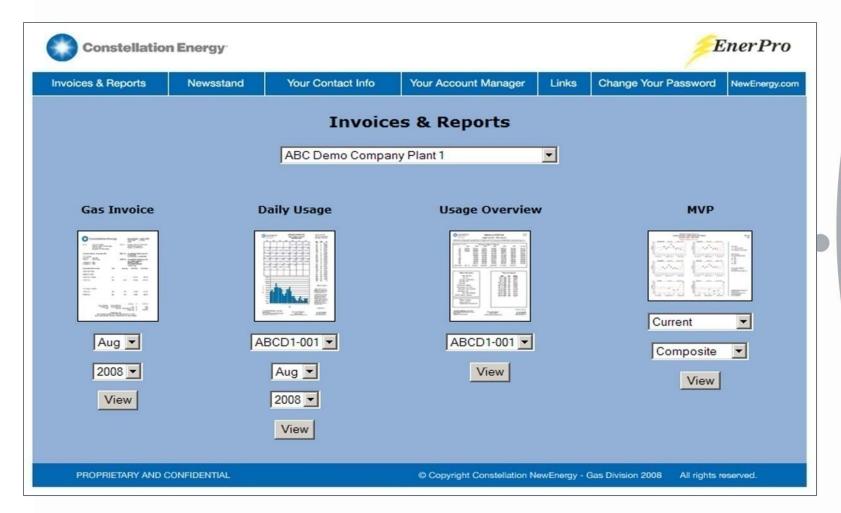
Storage injection and withdrawal reports

Hedging and risk management program reports





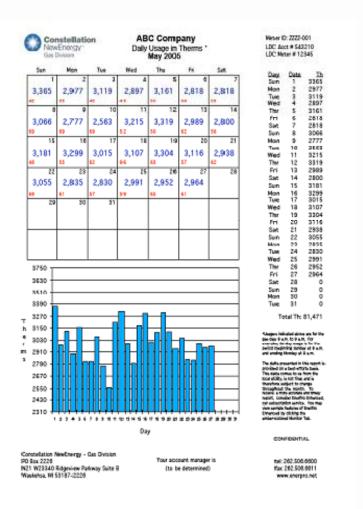
### **EnerPro**® – Welcome Screen







# **EnerPro**® – Sample Daily and Historical Usage Data



Constellation NewEnergy	ABC COMPANY	89/31/03 8840-001
Dan Division	Jsage Overview / Peak Analysis	
	institutions hads. The data commants on from the lost addity, is not final, and is therefore as Challes Smallest, or autocoption works. The may she wrige features of Challes Smalles	

Usage through: 05/25	1/2805	Hist	crical Usag	e (in The	rms)		
	2005	2004	2003	5005	2001	2000	1-Yr Avg
Jan	116,082	91,669	109,331	90,853	106,433	145,487	103,374
Teo	104,630	87.565	100,422	20,272	21,050	124,460	36,130
Mar	176,998	95,538	106,688	107,168	95,771	105,352	106,268
Apr	25,941	92,225	102,669	24,565	90,034	108,492	94,003
May	81,472	89,354	112,919	111,783	95,857	113,177	101,137
Jun		85,767	91,994	10-,270	96,092	105,845	88,874
Jul		81,560	90,823	59,265	93,009	100,746	86,192
Aug		83,156	89,489	90,720	97,441	96,743	96,323
Sep		82,833	90,085	91,814	91,465	94,766	86,450
Out		95,182	95,611	10',178	87,958	93,963	95,397
Nov		101,778	85,979	99,807	95,907	95,035	93,875
Den		115,405	88,375	100,417	100,295	112,141	101,890
Total Ther	514,323	1,102,002	1,164,374	1,200,913	1,131,297	1,257,047	

Meter Information
Code: NBA2-001
LDC: YSL
LDC Acct: 5500013477035
LDC Class: .ST
Class Type:
Albertate Fuel: 1016
Meter Number: 42401
Meter Name:
Pool Election:
Cute: Sast Juliet
Weather Location: Chicago

Meter	Location
SD01 W R CHICAGO,	

Constellation NewSnerg - Gas Civision N21 W28840 Ridgeview Farkway, Suite B PO Box 2228 Washelsa, WI S3187-2298

Date	Day	Thems
Apr 6, 2000	Sen	6,902
an 51, 2000	Mon	4/504
lan 30, 2000	560	4,694
Am 29, 2000	Set	4,694
Jan 28, 2000	Eri	4,694
Jan 27, 2000	Thr	4,693
Jan 26, 2000	Wed	4,693
Jan 25, 2000	Tue	4,693
Jan 24, 2000		4,699
Jan 23, 2000	Sen	4,693
Jan 22, 2000	Sat	4,693
Jan 21, 2000	Eri	4,693
Jan 20, 2000		4,693
Jan 19, 2000		4,693
Jan 18, 2000		4,693

Your account manager is: Liz Peonto Ez peront ethocostellation com tel: 26: 506:0000





# EnerPro® expedites your analyses needs with:

The availability of accurate information that lets facility and operations teams make informed energy decisions.

The ability to compare, monitor, and benchmark multiple facilities at the same time to optimize operational efficiency.

The capability to monitor loads to identify opportunities for improving efficiency and cost related savings.

The capacity to compare historical data for trend analysis.

The power to view daily updated usage information on-line.





#### **IEC Natural Gas Program Membership has its Privileges:**

- A natural gas purchasing program that is tailored to your needs and will help your control natural gas costs & aid in achieving energy budget goals
- An experienced account manager, who is responsible for managing your accounts and available by a toll-free number for all questions
- IEC's program administrator's **regulatory expertise** to analyze strategies for proposed utility rate changes and utility tax increases.
- 45-day payment terms with an **optional early-pay discount program**.
- Locally Based Annual Energy Conferences and Regional Workshops that keep you & your team informed and educated.
- A Web-based customer information system named **EnerPro**® that provides access to account specific reports, historical data, invoices, weekly market updates and market intelligence reports.
- A financially strong program administrator and supplier with 16-Years of proven experience in the Illinois deregulated market, a 95%





#### **NEXT STEPS WE NEED TAKE TOGETHER:**

Terminate your current suppliers agreement in writing and copy the utility (we have a form letter that we can send you if needed)

Meet again with me your IEC new business development representative to review and agree upon the IEC natural gas program options that best fit your needs and goals.

You shall receive an IEC Natural Gas Member agreement to complete and return.

The IEC shall switch your accounts over to the chosen natural gas program





# **IEC Natural Gas Program Day to Day Contacts**

**Glen Grimm** – New Business Development

Office: 630-264-6600

Cell: 630-205-6454

E-mail: glen.grimm@constellation.com

Fax: 630-264-6611

# **Day-to-day contact:**

Liz Peronto – IEC Account Manager

Office: 262-506-6614

E-mail: <u>liz.peronto@constellation.com</u>

Fax: 262-506-6611





#### IEC Contacts on the Illinois ASBO Team

#### **IEC Natural Gas Program Contacts:**

#### Ronald C. Steigerwald - IEC

Statewide Marketing Director

Cell: 847-567-3051

E-mail: rsteigerwald@hotmail.com

Fax 847-634-8254

#### **Holly Wallace**

Secretary for Special Services

Illinois ASBO

815.753.9083 tel

815.753.9367 fax

hwallace@niu.edu

www.iasbo.org





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