BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

PEOPLE OF THE STATE OF ILLINOIS	)	
	)	
Complainant,	)	
	)	PCB 04-16
	)	(Enforcement – Air)
v.	)	
	)	
PACKAGING PERSONIFIED, INC., an Illinois Corporation	)	
	)	
Respondent.	)	

NOTICE OF ELECTRONIC FILING

John Therriault
State of Illinois
Illinois Pollution Control Board
100 W. Randolph Street – Suite 11-500
Chicago, Illinois 60601

L. Nichole Sangha
Assistant Attorney General
Environmental Bureau
69 West Washington Street, 18th Floor
Chicago, Illinois 60602

Christopher Grant
Assistant Attorney General
Environmental Bureau
69 West Washington Street, 18th Floor
Chicago, Illinois 60602

Brad Halloran
Hearing Officer
State of Illinois
Pollution Control Board
100 W. Randolph Street, Ste. 11-500
Chicago, IL 60601

PLEASE TAKE NOTICE that on **Monday, May 13, 2013,** we filed the attached **Respondent's Pre-Hearing Memorandum.** A copy of the document so filed is attached hereto.

Respectfully submitted,

PACKAGING PERSONIFIED, INC.

BY: Roy M Harsch

One of Its Attorneys

Roy M. Harsch, Esq.
John A. Simon, Esq.
Drinker Biddle & Reath LLP
191 N. Wacker Drive - Suite 3700
Chicago, Illinois 60606-1698
(312) 569-1000

THIS FILING IS SUBMITTED ON RECYCLED PAPER

CERTIFICATE OF SERVICE

I, Roy M. Harsch, an attorney, do certify that I caused to be served this 13th day of May, 2013, the foregoing **Respondent's Pre-Hearing Memorandum** upon the persons listed below, by electronic transmission and by placing same in an envelope bearing sufficient postage with the U.S. First Class Mail on **Monday, May 13, 2013.**

John Therriault
State of Illinois
Illinois Pollution Control Board
100 W. Randolph Street – Suite 11-500
Chicago, Illinois 60601
(electronically)

L. Nichole Sangha
Assistant Attorney General
Environmental Bureau
69 West Washington Street, 18th Floor
Chicago, Illinois 60602
(by e-mail and first class mail)

Christopher Grant
Assistant Attorney General
Environmental Bureau
69 West Washington Street, 18th Floor
Chicago, Illinois 60602
(by e-mail and first class mail)

Brad Halloran
Hearing Officer
State of Illinois
Pollution Control Board
100 W. Randolph Street, Ste. 11-500
Chicago, IL 60601
(by e-mail and first class mail)

Roy M. Harsch

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

PEOPLE OF THE STATE OF ILLINOIS, Complainant,	)	
	)	PCB 04-16
	)	(Enforcement – Air)
v.	)	
PACKAGING PERSONIFIED, INC., an Illinois Corporation Respondent.	)	

RESPONDENT'S PRE-HEARING MEMORANDUM

Packaging Personified, Inc. ("Respondent") by and through its attorneys, Drinker Biddle & Reath LLP, and files its Prehearing Memorandum as required by the Hearing Officer Order dated April 10, 2013.

1. Packaging will repond to the four questions presented by the Illinois Pollution Control Board ("PCB") in its March 1, 2012 Order at pages 17 to 18 granting Packaging's Motion to Reconsider. Packaging will present its rationale to show that it did not have a large economic benefit from the operation of Press 4 . Packaging will present testimony and exhibits that will establish that it could have shutdown Press 4 as of March 15, 1995, the effective date of the rules in question, and transferred all of its production to Press 5 which had substantial capacity to accommodate this production in same manner as it did in 2003 following the shutdown of Press 4. Packaging will present testimony and exhibits that will show that operating in this manner using only Press 5 would in fact have resulted in no additional costs and possible economic savings to Packaging and the reasons for this. Packaging will present testimony and exhibits to show that therefore the lowest cost alternative for achieving compliance. or economic savings that should be assessed for Press 4 is zero dollars.

2. Packaging will present testimony to explain how Press 5 was designed and operated as a recirculating press. Packaging will present its rationale to show that it could have shown that Press 5 could have complied with the rules in question by having a formal stack test preformed on Press 5. Packaging will present testimony and exhibits that will show that Press 5 would have complied based upon the engineering stack test performed by Mr. Richard Trzupek. Packaging will present what would have been necessary to conduct a formal stack test and the cost of such improvements including the cost of a formal stack test in terms of the construction of a temporary total enclosure ("TTE") or permanent total enclosure ("PTE").

3. Packaging will present its rationale to show that the lowest cost alternative for achieving compliance that should be assessed for Press 5 based upon the foregoing would be approximately $3,662 based upon the cost of a formal stack test including necessary capture improvements and that the interest on such a sum would be minimal.

4. Packaging will present an alternative that in the event that the Pollution Control Board does not accept that Press 5 could have been shown to comply by conducting a formal stack test, that the proper low cost economic savings should be the previously presented economic savings associated with the purchase and installation of a used control device and cost of a stack test.

5. Packaging will present three witnesses.

6. Mr. Joseph Imburgia will testify regarding the general business of Packaging and how the printing operations relate to this as a part of the business. He will testify as to the shutdown of Press 4 at the end of 2002 and the transfer of all of the production from Press 4 to Press 5. He will explain what was required to transfer this production, the ability of Press 5 to accommodate this production and the impacts upon Packaging from such transfer. He will

testify as to the production efficiencies and savings that occurred with such transfer in 2003. He will testify as to Packaging's historical annual production starting in March of 1995. He will testify concerning the historical production and ink purchased records maintained by Packaging. He will testify about Packaging's ability to have shut down Press 4 as of March 15, 1995, the effective date of the regulations, and to have transferred all of the production from Press 4 to Press 5. He will testify as to the lack of costs to Packaging to accomplish such transfer. He will testify as to the production efficiencies and savings that would have occurred with such transfer. He will testify that Packaging would have been able to have accomplished such transfer based upon the excess production capacity that existed in Press 5 due to its greater line speed and other factors as compared to Press 4. He will testify as to the reasons for and motivation that lead to the decision by Packaging to order new Press 6 and the decision to duct Press 5 to the control system sized to for Press 6 and two additional presses. He will testify as to the general energy cost to operate Presses 4, 5 and 6. He will testify as to the recirculating dryer on Press 5 as to its energy savings in general due to the combustion of solvent from drying the ink and that the press was always operated in this mode. He will testify as to Packaging's understanding of the results of the engineering stack test performed by Mr. Trzupek on Press 5 and the reasons why a formal stack test was never performed on Press 5 until it was tested after it was modified and ducted to the new control device installed with Press 6. He will testify to the costs associated with conducting the stack test on Press 5 and 6 and the costs associated with constructing a PTE for Press 5 and Press 6.

The following Exhibits will be introduced with Mr. Imburgia' s testimony:

EPA Capacity Estimate
Gas Electric Invoices
Gas Usage
VOM vs Production 1995-2003

Average Monthly Gas Purchase Records-June-August
Cost of 2004 ARI Stack Test

7. Mr. Richard Trzupek will testify regarding his preparation of his Supplemental-Expert Report dated August 8, 2012 and the facts, conclusions and opinions set forth therein along with his original Expert Report. He will testify regarding his experience as a stack tester and air pollution control consultant including overseeing stack testing. He will testify as to his conducting of an engineering stack test on Press 5, how this test was preformed, the results of the this engineering stack test and how this test was relied upon by Packaging and the Illinois Environmental Protection Agency. Mr. Trzupek will testify as to the similarities and differences between his engineering stack test and a formal stack test necessary to formally demonstrate compliance. He will explain the manner in which Press 5 with its recirculating oven operated and that because its inherent design it in effect functioned as its own control device. He will explain his opinion on what TTE or PTE would be necessary to install to provide the required capture so that a formal stack test could be conducted. He will present his opinion as to the ability of the recirculating oven on Press 5 and the existing ducting on such to combust sufficient solvents so that Press 5 when formally stack tested using either a TTE or PTE it would have passed such as test and the reasons for such opinion. He will also present his opinion regarding the ability of Press 5 to accommodate the production from Press 4 based upon what was done in 2003 and the historical production and ink purchase records maintained by Packaging.

The following Exhibits will be introduced with Mr. Trzupek' s testimony:

Supplemental-Expert Report dated August 9, 2012

8. Mr. Christopher McClure will testify regarding his preparation of his Expert Report dated August 9, 2012 and the facts, conclusions and opinions set forth therein along with

his original Expert Report and the October 19, 2011 letter and attachments to Mr. Simon which was submitted as Exhibit A to Packaging's Motion to Reconsider filed on November 15, 2011. He will testify regarding his experience providing financial advice and opinion including economic impact and economic benefit analysis. He will testify as to his previous opinions presented in this case and to his preparation of his Expert Report dated August 9, 2012 including the facts upon which it is based and his conclusions and opinion as to the lowest cost alternative for achieving compliance for Press 4 and Press 5. He will also summarize his previous testimony concerning the economic benefit for Press 5 based upon the installation of a used control device as an alternative to that imposed by the Board.

The following Exhibits will be introduced with Mr. McClure' s testimony:

Supplemental-Expert Report dated August 9, 2012

9. Packaging reserves the ability to supplement this testimony and exhibit lists.

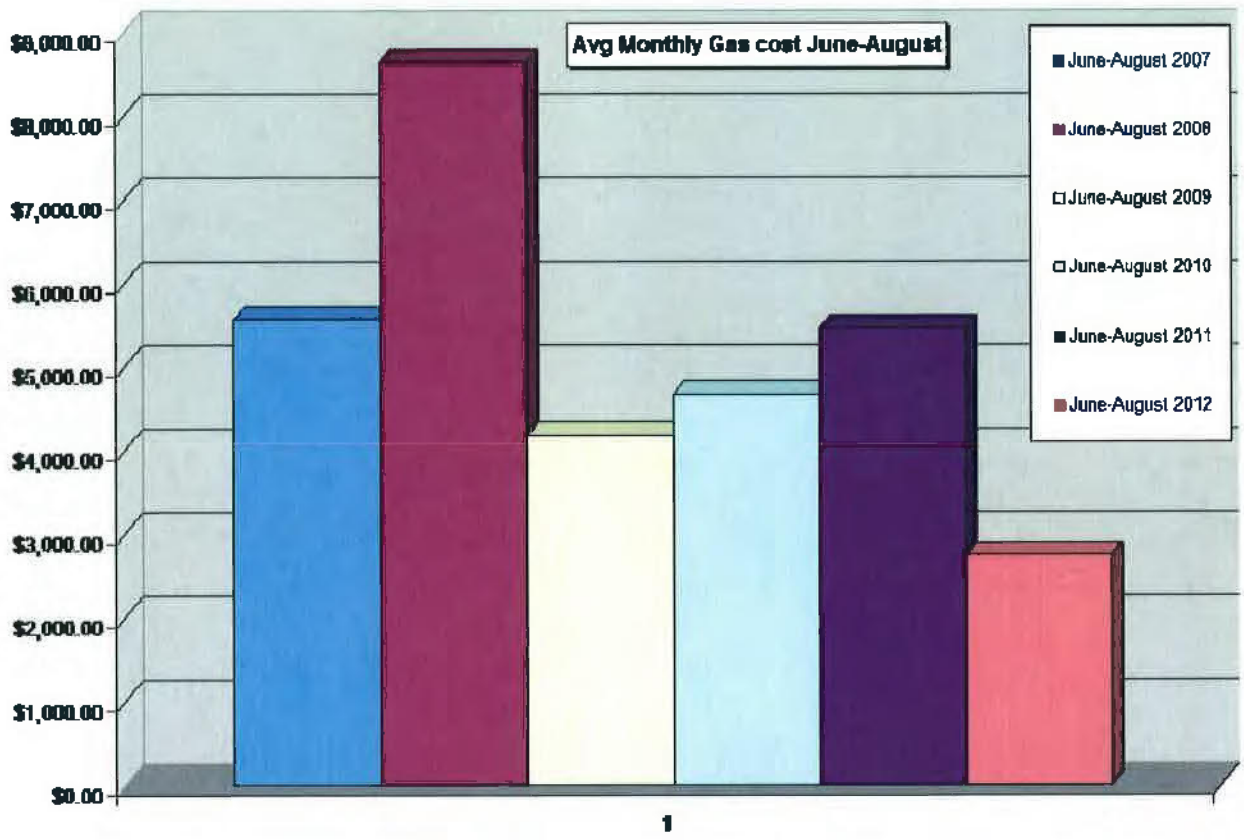
Respectfully submitted,

PACKAGING PERSONIFIED, INC.

BY: Roy M Harsch

One of Its Attorneys

Roy M. Harsch
Drinker Biddle & Reath LLP
191 North Wacker Drive, Suite 3700
Chicago, Illinois 60606-1698
(312) 569-1441


Avg Monthly Gas cost June-August
$8,000.00
$7,000.00
$6,000.00
$5,000.00
$4,000.00
$3,000.00
$2,000.00
$1,000.00
$0.00
1
June-August 2007
June-August 2008
June-August 2009
June-August 2010
June-August 2011
June-August 2012

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

PEOPLE OF THE STATE OF ILLINOIS,	)	
	)	
Complainant,	)	
	)	PCB 04-16
v.	)	(Enforcement – Air)
	)	
PACKAGING PERSONIFIED, INC., an Illinois Corporation,	)	
	)	
	)	
Respondent.	)	

NOTICE OF FILING

TO: L. Nichole Cunningham
Assistant Attorney General
Environmental Bureau
69 West Washington Street, 18th Floor
Chicago, Illinois 60602

Christopher Grant
Assistant Attorney General
Environmental Bureau
69 West Washington Street, 18th Floor
Chicago, Illinois 60602

PLEASE TAKE NOTICE that on August 9, 2012, we filed the attached **RESPONDENT'S EXPERT WITNESS DISCLOSURE** with the Illinois Pollution Control Board, a copy of which is herewith served upon you.

Respectfully submitted,

PACKAGING PERSONIFIED, INC.

By: _____
One of Its Attorneys

Roy M. Harsch, Esq.
John A. Simon, Esq.
Drinker Biddle & Reath LLP
191 N. Wacker Drive, Suite 3700
Chicago, Illinois 60606-1698
(312) 569-1000

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

PEOPLE OF THE STATE OF ILLINOIS,	)	
	)	
Complainant,	)	
	)	PCB 04-16
v.	)	(Enforcement – Air)
	)	
PACKAGING PERSONIFIED, INC., an Illinois Corporation,	)	
	)	
Respondent.	)	

RESPONDENT'S EXPERT WITNESS DISCLOSURE

Packaging Personified, Inc. ("Respondent") by and through its attorneys, Drinker Biddle & Reath LLP, submits the following expert witness disclosure in accordance with the Hearing Officer Order entered July 3, 2012.

Respondent's Expert Witness List

1. Christopher McClure, Midwest Practice Leader – Forensics, Crowe Horwath LLP, will testify in accordance with his attached Supplement dated August 9, 2012, his October 19, 2011 Supplement, and his original Report dated February 3, 2009.

2. Richard Trzupek, Principal Consultant of Trinity Consultants, will testify in accordance with his attached Supplemental Expert Report dated August 9, 2012 and his original Expert Report dated February 3, 2009.

Dated: August 9, 2012

Respectfully submitted,

PACKAGING PERSONIFIED, INC.

By: _____
One of Its Attorneys

Roy M. Harsch, Esq.
John A. Simon, Esq.
Drinker Biddle & Reath LLP
191 N. Wacker Drive, Suite 3700
Chicago, Illinois 60606-1698
(312) 569-1000

THIS FILING IS SUBMITTED ON RECYCLED PAPER

Christopher T. McClure CPA, CFE

August 9, 2012

John A. Simon
Drinker Biddle & Reath LLP
191 N. Wacker Dr. Suite 3700
Chicago IL 60606-1698

Re: PEOPLE OF THE STATE OF ILLINOIS V. PACKAGING PERSONIFIED, INC. PCB 04-16

Dear John:
Pursuant to your request, I have enclosed a supplemental calculation of the economic benefit of $3,662 enjoyed by Packaging Personified under the following assumptions you provided:

1. There was no cost to Packaging as a result of shutting down press 4 and shifting production to press 5 in December 2002, and there would have been no cost to Packaging had it shut down press 4 and shifted production to press 5 in March of 1995.

2. The cost of constructing a permanent total enclosure around press 5 in order to perform a stack test along the lines of what is frequently required by IEPA construction permits would have been less than $5,000 in 2004 dollars. I have used $5,000 for a conservative calculation. This represents both the lowest cost of compliance as well as the course of action that Packaging actually performed in February 2004.

3. That there were no monthly costs to maintain the permanent total enclosure and, therefore, no permanently avoided costs to be considered in this analysis.

4. That the relevant regulation became effective on March 15, 1995--and thus the date of noncompliance-- and that actual demonstration of compliance to IEPA for press 5 was February 2004 at which time ARI performed a formal stack test at a cost of $6,180.[1]

5. That the economic benefit calculation be prepared in accordance with the US EPA guidance on calculating economic benefit and the Illinois Statute's lowest cost alternative requirement.

In addition to your assumptions, I have assumed that the total cost of compliance of $11,180 is an expense and not a capital asset, therefore no depreciation expense is included.

This calculation is limited to analyzing the potential economic benefit penalty component only to possibly be imposed by the Board pursuant to Section 42 (h)(3) of the Illinois Environmental Protection Act and does not address any potential gravity component.

[1] ARI invoice attached to this letter

Electronic Filing - Recived, Clerk's Office : 05/13/2013

This analysis is based on currently available documents and information and is subject to change based on the review of additional information that may be provided. I reserve the right to revise this report.

Very truly yours,

Christopher T. McClure

Packaging Personified, Inc.
Economic Benefit Calculation

Scenario Description **Delay of cost of constructing a permanent total enclosure around press 5**

		A	B	C	D	E	F	G	H
Month - Year	Period	Delayed Annual Costs	Total Annual Delayed Costs	Tax Adjustment @ 37.0%	After Tax Annual Cost/ (Benefit)	Actual Spending	Cumulative Deferred Spending	Applicable Interest Rate	Time Value of Deferred Spending
15-Mar-95	1	10,594	10,594	(3,920)	6,674	0	6,674	5.94%	$314
1996	2	0	0	0	0	0	6,988	5.52%	$386
1997	3	0	0	0	0	0	7,374	5.63%	$415
1998	4	0	0	0	0	0	7,789	5.05%	$393
1999	5	0	0	0	0	0	8,182	5.08%	$416
2000	6	0	0	0	0	0	8,598	6.11%	$525
2001	7	0	0	0	0	0	9,123	3.49%	$318
2002	8	0	0	0	0	0	9,441	2.00%	$189
2003	9	0	0	0	0	0	9,630	1.24%	$119
2004	10	0	0	0	0	11,180	3,076	1.89%	$58
2005	11	0	0	0	0	0	3,134	3.62%	$113
2006	12	0	0	0	0	0	3,247	4.94%	$160
2007	13	0	0	0	0	0	3,408	4.53%	$154
2008	14	0	0	0	0	0	3,562	1.83%	$65
2009	15	0	0	0	0	0	3,627	0.47%	$17
2010	16	0	0	0	0	0	3,644	0.32%	$12
2011	17	0	0	0	0	0	3,656	0.18%	$7
2012	18	0	0	0	0	0	3,662	0.18%	$7
		10,594	10,594	(3,920)	6,674	11,180			3,662
							Total Economic Benefit / (Detriment)		$3,662 I

KEY

A Annual delayed costs deflated to 1995 using PCI
B Total Annual delayed costs
C Tax benefit at 37%
D After-tax annual delayed cost
E Actual expenditures
F Annual deferred spending + time value
G Risk-free T-Bill rate to inflate dollars to the date of compliance
H Amount earned on the cumulative deferred spending
I Total economic benefit of delayed costs

Electronic Filing - Received, Clerk's Office : 05/13/2013

ARI ENVIRONMENTAL, INC.
951 OLD RAND RD. #106
WAUCONDA, IL 60084
PHONE # 847-487-1580

65101

SALESPERSON	DATE OF INVOICE
	4/29/04

SHIP TO

ATTN: MATTHEW WHALIN

TO:

PACKAGING PERSONIFIED, INC.
ATTN: ACCT PAYABLE
246 KEHOE BLVD
CAROL STREAM, IL 60188

ACCOUNT NO.	DATE SHIPPED	SHIPPED VIA	COL	P.P.	F.O.B. POINT	TERMS	YOUR ORDER NUMBER
						NET 30	2002

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	FOR SERVICES RENDERED IN CONNECTION WITH CONDUCTING THE VOC EMISSION TEST PROGRAM ON THE REGENERATIVE THERMAL OXIDIZER DESTRUCTION EFFICIENCY AT THE PACKAGING PERSONFIED FACILITY 2/26/04 ARI PROJECT # 425-01	6180.00	6180.00
	TOTAL		6180.00

MAY 1 2004

PAID
JUN 0 6 2004
BY: 4435

Thank You

Electronic Filing - Recived, Clerk's Office : 05/13/2013

Electronic Filing - Recived, Clerk's Office : 05/13/2013

EXPERT REPORT - SUPPLEMENTAL

Packaging Personified, Inc.

Submitted to: Drinker Biddle & Reath LLP

Prepared By:

Richard Trzupek – Principal Consultant

TRINITY CONSULTANTS
1S660 Midwest Road
Suite 250
Oakbrook Terrace, IL 60181
(630)495-1570

August 9, 2012

Project 121401.0087

Trinity Consultants

Environmental solutions delivered uncommonly well

Expert Report - Supplemental

Flexographic Presses VOM Emissions

1. Introduction

Trinity Consultants, Inc. ("Trinity") was retained to evaluate compliance options related to VOM control from flexographic presses operated by Packaging Personified, Inc. ("PPI") at the company's Carol Stream, Illinois plant.

My qualifications for performing this type of review and evaluation are described in the curriculum vitae attached to this report. My hourly billing rate for this project is $210 per hour. This supplemental report presents additional information and opinions in order to augment my previously submitted Expert Report dated June 23, 2009, which I have reviewed and which continues to reflect my opinions.

2. VOM Control Efficiency

As noted in my original Expert Report, Press #5, prior to its ducting to the new control system, was equipped with a recirculating drying oven that acted as a control device by oxidizing VOM contained in the inks. It is my understanding that Press #5 was originally installed in 1995 with this recirculating drying oven and operated with said oven. I am familiar with both flexographic presses in general, and presses that are equipped with recirculating ovens in particular, and have been at several printing facilities equipped with one or the other or both. When a press is equipped with a recirculating oven, the amount of natural gas used in the oven is significantly reduced as recirculation rates increase. Thus, there is an economic incentive to operate a recirculating oven at high recirculation rates and, in my experience, this is how these ovens are operated in practice. High recirculation rates will also provide for efficient destruction of the VOM contained in the inks.

A formal compliance test to determine capture and destruction efficiency of the Press #5 control system was not conducted. Had a formal compliance test been conducted after Press #5 was installed, the Illinois Environmental Protection Agency would likely have required PPI to test the system using USEPA Methods 1 - 4 (to determine gas flow rate, molecular weight and moisture content) and one of the following: USEPA Method 18, 25, or 25A (to determine VOM concentration in the gas stream). Method 25A is and was most commonly used to test VOM control devices and, for purposes of this report, it assumed that is the Method that would have been used to determine VOM concentrations. The Methods referenced may be found at 40 CFR, Part 60, Appendix A. Three one hour tests, conducted at the inlet and outlet of the oven, would have been conducted and would have demonstrated compliance with applicable destruction efficiency requirements.

Capture efficiency compliance would have been demonstrated following USEPA Method 204, using the Temporary Total Enclosure (TTE) option. This Method consists of three eight hour tests, following initial, brief "baseline" and "balancing" runs.

Nothing precluded PPI from doing a formal compliance test in 1995. Had PPI chosen to do so, the company could have constructed a Permanent Total Enclosure (PTE) and demonstrated compliance by certifying the construction of the PTE and performing a formal destruction test on the Press #5 recirculating oven.

I have participated in numerous tests involving: the determination of VOM destruction efficiency using Methods 18, 2S and 25A, the determination of capture efficiency using TTEs, and the certification of PTEs, both as a stack tester and a consultant overseeing stack tests. These tests have routinely been accepted by state and federal authorities, including the Illinois Environmental Protection Agency.

3. Emissions Test Costs

I have been involved in emissions testing programs since 1985, both directly as a stack tester (1985 – 1994) and indirectly in developing stack test programs, overseeing stack test programs and writing proposals for stack test programs (1994 – present). Based on my experience, a test program involving the determination of VOM destruction efficiency using Methods 1 – 4 and 25A, and the determination of VOM capture efficiency using a TTE, as described above, would have cost $15,000 to $30,000 in 1995, depending on the vendor chosen.

Based on my experience, a test program involving the determination of VOM destruction efficiency using Methods 1 – 4 and 25A, and the certification of a PTE to establish VOM capture efficiency would have cost approximately $6,000 in 1995. This is the type of test program that was in fact performed in 2004 at PPI and my understanding is that the cost of the test program was slightly more than $6,000.

4. Press #5 Utilization

The following table details annual VOM usage and annual gross sales at PPI from 1995 through 2004. VOM usage data is based on historical ink and solvent use records maintained by PPI that were used to retroactively create historical Annual Emissions Reports when the failure to submit these reports was identified in 2002. Gross sales data was based on financial records maintained by PPI.

Historical material use data and surrogate parameters such as sales data is commonly used in situations like this when attempting to recreate an emissions history after the fact. I have used this method to recreate an emissions history on several occasions during my career as a consultant and these analyses have

routinely been accepted by state and federal authorities, including the Illinois Environmental Protection Agency.

Year	VOM Usage (lbs)	Gross Sales (millions)	Press(es) in Operation
1995	133,000	$8.98	4,5
1996	98,500	$9.75	4,5
1997	109,000	$12.0	4,5
1998	120,000	$13.0	4,5
1999	187,000	$14.4	4,5
2000	200,000	$15.4	4,5
2001	261,000	$16.2	4,5
2002	285,000	$15.8	4,5
2003	373,000	$18.1	5
2004	375,000	$17.4	5,6

It can be seen that PPI used more VOM and generated more sales in 2003 than in any of the previous eight years, even though Press #5 was the only press in operation in 2003. This demonstrates that Press #5 could have accommodated all of the production during the period 1995 through 2002 if PPI had shut down Press #4 in early 1995 and permanently removed it from production.

The above report represents my professional opinions to a reasonable degree of scientific certainty, based on the facts known to me, my training and my experience.

Richard Trzupek, Principal Consultant
Trinity Consultants, Inc.

8/9/12
Date

Appendix A

Richard Trzupek Curriculum Vitae

Rich Trzupek

***Principal Consultant* — Chicago Office**

Trinity Consultants

1. AREAS OF SPECIALIZATION

Nonattainment NSR, PSD, and Title V
Expert Testimony and Legal Deposition
Emissions Testing
Technical Communications
Innovative Permitting Strategy Development
Regulatory Applicability Analysis
Environmental Training
Risk Analysis

2. EDUCATION

B.S., Chemistry, Loyola University of Chicago, 1989

3. AFFILIATIONS

Air & Waste Management Society
Graphic Arts Technical Foundation
Phillips Foundation (Fellow)

4. TECHNICAL EXPERTISE

SUMMARY OF EXPERIENCE

Mr. Trzupek has twenty-eight (28) years of experience in the field of air pollution measurement, consulting, and permitting. He has designed and managed a variety of air pollution measurement projects at facilities across the United States. He has lectured on behalf of the USEPA Emission Measurement Technical Information Center (EMTIC) on measurement-related issues and has also developed several new measurement techniques. Mr. Trzupek has served as lead consultant representing a variety of industries in litigation-based programs and frequently serves as the facilitator for effective action between the facility and regulators.

His permitting experience has involved not only the preparation of the permit document, but includes the collection of data, management, and organization of data, development of compliance strategies, negotiation with regulatory and enforcement personnel and effective implementation of emissions management programs designed to maintain facility compliance with permit terms. As a published author, Mr. Trzupek's communication skills and ability to simplify complex technical issues in terms that the general public can easily understand has also been the focus of many successful projects.

Mr. Trzupek's experience includes exposure and familiarity with a wide variety of industries including the petrochemical, cement, steel, utility, non-ferrous metals, graphic arts, synthetic organic chemical, general manufacturing and food processing industries.

Regulatory Development - Participated in development of new state and federal rulemakings designed to limit emissions of nitrogen oxides (NOx) in order to reduce ozone ("smog") in the ambient air. Participation involved interaction with regulatory, public interest and industrial groups. Successfully developed and demonstrated the effectiveness of strategies which would reduce NOx emissions from large coal burning sources, but would allow for continued economic growth using cleaner, gas fired power generation.

Successfully argued for a rules change that allowed coating operation to claim credit for a process emissions enclosure even though the enclosure did not meet the applicable federal definition. Technical arguments and demonstrations were utilized to show that the rule in question could not be fairly applied to this process. Effective compliance that both protected the environment and allowed the company to continue operations was achieved.

Expert Witness Testimony – Submitted written and oral testimony on behalf of a petrochemical company that had acquired a facility that was not meeting performance guarantees and that contained a number of unpermitted sources of air pollution. Testimony involved analysis of control device performance, emission tests and permitting and compliance review.

Litigation Support – Provided regulatory and technical assistance to a metal products manufacturing company operating out of compliance with permitted emissions limits and that was not adhering to an applicable National Emissions Standards for Hazardous Air Pollutants regulation. Successfully returned the facility to compliance and avoided the imposition of any penalties.

Environmental Communications - Developed communications strategy for a new biomass-powered power plant to be located in a Environmental Justice area. Designed and authored brochures and other supporting documents; participated in meetings with environmental groups, community groups and elected officials; participated in production of a video that explained the project. As a result of these communications efforts, the project received wide support and was successfully permitted.

Emissions Measurement - Developed a technique to determine the emissions of Hazardous Air Pollutants (HAPs) from coke oven emissions as part of a research project for a major steel manufacturer. This project required specially developed techniques due to the broad spectrum of compounds present in this type of emission stream; ranging from very light fixed gases to heavy, tar-like hydrocarbons.

Project manager for research program of new measurement technique for the determination of Volatile Organic Compounds (VOCs). The two-week project involved comparison of USEPA's Temporary Total Enclosure protocol for VOC capture vs. the less costly industry liquid/gas balance method. Refinements to the liquid/gas technique demonstrated the required level of accuracy and have been adopted by USEPA Method 204F.

Designed and managed a testing project for a thermal soil desorption site. This project involved measurement of total Volatile Organic Compounds (VOCs) as well as the determination of individual organic compounds using SW-846 methods.

Designed and validated a technique to utilize chemiluminescence nitrogen oxide (NOx) analyzers for the measurement of ammonia and cyanide. This project involved the experimentation with several types of conditioning packages and converter types. Previously undocumented conversion ratios of chemically bound nitrogen compounds were documented.

Designed a test program to characterize particulate, carbon monoxide and volatile organic compound emissions from an electric arc furnace melt shop and led the project team in execution of the program. This program involved measurement of emissions at a number of different points within the emissions control system exhibiting severe sampling conditions.

Compliance Assistance - Manager of a compliance program for a manufacturer which had been out of compliance with air pollution standards for over fifteen (15) years. The program resulted in changes to the control system and strategy at the plant that resulted in the necessary improvement in emissions. Technical research and models were used to determine the degree of environmental harm and toxic risk as a result of the non-compliant status.

Participated in compliance program at a secondary aluminum smelter that was in violation of state and local ordinances. Researched the technical issues involved in the alleged violation, expert testimony, and comparison to similar facilities in the country. The project also focused on a comparison of actual particulate emissions rates, the opacity of emissions, and the effect of particle size distribution on opacity.

Consulted with major oil refinery to demonstrate compliance with particulate limits. Research proved that the measurement methods used were inappropriate to the source and non-biased methods were developed that demonstrated compliance with applicable rules. USEPA and the local

air quality district accepted these research efforts and adopted process specific rules that more accurately characterize particulate emissions from these types of sources.

Project Management - Managed project to complete permitting for a 1,000,000 square-foot manufacturing facility. This project involved inventorying over 50 previously unpermitted sources at the facility and developing emission factors for several sources for which no data in the USEPA database existed.

Project manager for consulting project involving a foundry that was subject to odor complaints from the state agency and the local community. The project successfully determined the causes of the nuisance odors, evaluated the risk from the odor-causing compounds, and developed solutions that satisfied regulatory and community concerns.
Developed and managed a Title V permit program for a major Midwestern utility. The project involved the inventorying of over one hundred separate sources, many of which could not be effectively addressed by emissions factors. Extensive research into operational modes was undertaken in order to determine what restrictions were practical for each facility and to develop ways of packaging emissions to create artificial minor sources and avoid Title V restrictions whenever possible. Monitoring and recordkeeping strategies were also being developed as part of this program.

Developed permitting program for waste gasification facility in south suburban Chicago, successfully implementing a strategy to site the facility while avoiding waste transfer/disposal facility regulations that would have significantly delayed the project. Developed emission factors for the process and successfully created a new classification for waste gasification that avoided pyrolisis rules that could have inhibited development.

Modified the permit of a large printing facility in the southeastern United States. Permit restrictions and assumptions that were built into the original permit put the facility in apparent non-compliance and would have resulted in the facility becoming a Title V source in 1995. A combination of technical development, regulatory research, more representative measurements, and a more realistic appraisal of the facility's operation were utilized to develop a basis for changing the permit conditions. The modified permit allows the plant to operate in compliance and to avoid Title V emissions levels.

Managed environmental permitting for a large coal gasification facility located in southern Illinois. This project involved consideration of new, previously unpermitted, processes, dispersion modeling, Best Available Control Technology (BACT) review and management of public relations related to environmental issues.

Project manager for initial performance demonstration of a large cogeneration project. Project involved quantification of all criteria pollutants and sensitive measurement of trace quantities of state regulated pollutants. Project activities involved coordination of measurement crews, facility personnel and regulators for round-the-clock activity over a six-week period.

5. PUBLICATIONS AND PRESENTATIONS

Author, "Air Quality Compliance and Permitting Manual," McGraw-Hill, 2002.

Editorial contributor, Chicago Tribune, 1996 – 20012 (various environmental topics)

Columnist, Examiner Publications, 2000 – Present

Lecturer, "Air Quality Regulation," Loyola University of Chicago Law School, 1998 – Present

Lecturer, "Dispersion Modeling and Environmental Regulation," Furman University, 2002- Present

Contributing author to "Odor and VOC Control," McGraw Hill, 1998, Harold J. Rafson Editor in Chief. "Emissions Estimations Methods," presented for Executive Enterprises conference on Clean Air Act Basics (June 1997), Chicago, IL.

"Developments in Capture Test Methods," presented at the Graphic Arts Technical Foundation environmental conference, (April 1997), St. Louis, MO.

"Preparing Smart Operating and Construction Permits Applications: Avoiding the 7 Basic Mistakes," published in Air & Waste Management Association's EM Magazine (September 1996), Pittsburgh, PA.

"New Ozone Regulations on the Horizon," published in ABA Section of Natural Resources, Energy, and Environmental Law Newsletter (May/June 1996), Chicago, IL.

"Determination of VOC Capture Efficiency by Carbon Mass Balance," co-author: Cheryl A. Smith, presented at the A&WMA Annual Meeting, June, 1995.

"Permitting Issues Under the Clean Air Act Amendments of 1990," conference co-chair for the Lake Michigan chapter of the A&WMA, September, 1994.

"Enhanced Monitoring, A New World of Demonstrating Compliance," presented at the Midwest Cogeneration Association conference, August 1994.

"Illinois Directors Meeting – New EPA Air Regulations. Impacting Camus Physical Plants," Wheaton College, Illinois. March 10, 2011

"The Title V Permit Program under the Clean Air Act Amendments of 1990", seminar co-chaired with Nancy Rich of Katten, Muchin and Zavis, April 1994.

"Emissions Inventories and the Clean Air Act Amendments of 1990", presented at Executive Enterprises Seminar, January 1994.

"Understanding Air Permitting and Environmental Regulation", presented at Purdue Fuel Conference Seminar, September 1993.

"Developments in VOC Capture Technology", co-author: David A. Ozawa, presented to the Gravure Arts Association, May 1993.

"Measurement of Volatile Organic Compounds in Air", presented to the Emissions Measurement Technical Information Center, October 1992.

"Achieving Compliance Under MACT", co-author: Cheryl A. Smith, presented to the A&WMA, January 1992.

6. EMPLOYMENT HISTORY

2012 - Present	Trinity Consultants
2006 - 2012	Mostardi Platt
2000 - 2006	Huff & Huff, Inc.
1994 - 2000	Air Solutions, Inc.
1992 - 1994	Mostardi Platt
1985 - 1992	Almega, Inc.

CERTIFICATE OF SERVICE

The undersigned certifies that a copy of the foregoing **RESPONDENT'S EXPERT WITNESS DISCLOSURE** was filed with the Illinois Pollution Control Board and served upon the parties below by U.S. First Class Mail and Electronic Mail on August 9, 2012:

Christopher J. Grant
L. Nichole Cunningham
Assistant Attorneys General
Environmental Bureau
69 West Washington Street, 18th Floor
Chicago, Illinois 60602

John A. Simon

VOC Reportingto Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	0.00
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	59.84
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07

Produced on Press 5 only

Production Pounds for Carol Stream Press Dept Offline presses only

2000	2001	2002	2003	
297,224	224,200	500,856	549,190	
272,002	279,999	400,054	551,534	
329,448	371,488	506,322	636,383	
393,663	463,077	438,780	548,821	
341,927	454,040	600,566	457,928	
302,430	470,136	425,326	401,362	
323,143	464,074	490,796	423,349	
284,432	397,472	569,986	616,558	
378,747	329,620	334,589	538,688	
411,493	388,883	314,275	470,097	
293,974	296,024	279,970	432,764	
219,297	361,312	478,546	398,009	
3,847,780	4,500,325	5,340,066	6,024,683	
61.82	55.42	75.64	50.34	60.81

Electronic Filing - Received, Clerk's Office : 05/13/2013

Electronic Filing - Recived, Clerk's Office : 05/13/2013

Production Pounds for Carol Stream Press Dept Offline presses only

1995 estimated pounds of substrate produced
209,963
209,963
209,963
209,963
209,963
209,963
209,963
209,963
209,963
209,963
209,963
209,963
2,519,552

Pounds above are calculated based upon the VOM data for the years with known pounds produced and known VOM volumes

Calender Year 1995						
All Presses	Press 4			Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
10,498,133	3,674,347	136	1,037	6,823,787	152	2,417
125,977,600	44,092,160	1,633	12,440.00	81,885,440	1,820	29,000.00

Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions
60.80

The assumptions that were made to recreate this data are as follows

1 : Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions is 60.8

2 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

3 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calciated based upon that

5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calciated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79

Production Pounds for Carol Stream Press Dept Offline presses only

1996 estimated pounds of substrate produced
155,141
155,141
155,141
155,141
155,141
155,141
155,141
155,141
155,141
155,141
155,141
155,141
1,861,696

Pounds above are calculated based upon the VOM data for the years with known pounds produced and known VOM volumes

Calender Year 1996

All Presses	Press 4			Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,083	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
7,757,067	2,714,973	101	765	5,042,093	112	1,787
93,084,800	32,579,680	1,207	9,180.00	60,505,120	1,345	21,440.00

Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions
60.80

The assumptions that were made to recreate this data are as follows

1 : Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions is 60.8

2 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

3 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calculated based upon that

5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calculated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.48	0.58	2.70	1.67	3.37	0.48	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	0.00
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	59.84
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07

Production Pounds for Carol Stream Press Dept Offline presses only

1997 estimated pounds of substrate produced
172,064
172,064
172,064
172,064
172,064
172,064
172,064
172,064
172,064
172,064
172,064
172,064
2,064,768

Pounds above are calculated based upon the VOM data for the years with known pounds produced and known VOM volumes

Calender Year 1997

All Presses	Press 4			Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
8,603,200	3,011,120	112	848	5,592,080	124	1,982
103,238,400	36,133,440	1,338	10,180.00	67,104,960	1,491	23,780.00

Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions
60.80

The assumptions that were made to recreate this data are as follows

1 : Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions is 60.8

2 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

3 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calciated based upon that

5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calciated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	0.00
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	59.84
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07

Production Pounds for Carol Stream Press Dept Offline presses only

1998 estimated pounds of substrate produced
188,277
188,277
188,277
188,277
188,277
188,277
188,277
188,277
188,277
188,277
188,277
188,277
2,259,328

Pounds above are calculated based upon the VOM data for the years with known pounds produced and known VOM volumes

Calender Year 1998							
All Presses	Press 4				Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
9,413,867	3,294,853	122	928	6,119,013	136	2,168
112,966,400	39,538,240	1,464	11,140.00	73,428,160	1,632	26,020.00

Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions
60.80

The assumptions that were made to recreate this data are as follows

1 : Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions is 60.8

2 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

3 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calclated based upon that

5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calclated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	1.23
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	0.00
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07

Production Pounds for Carol Stream Press Dept Offline presses only

1999 estimated pounds of substrate produced
294,373
294,373
294,373
294,373
294,373
294,373
294,373
294,373
294,373
294,373
294,373
294,373
3,532,480

Pounds above are calculated based upon the VOM data for the years with known pounds produced and known VOM volumes

Calender Year 1999

All Presses	Press 4			Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data	Estimated footage	Estimated hours	Total VOM in Pounds as originally calculated from previously available data
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
14,718,667	5,151,533	191	1,452	9,567,133	213	3,390
176,624,000	61,818,400	2,290	17,420.00	114,805,600	2,551	40,680.00

Average pounds of substrate per pound of VOM based upon comparison of known pounds producad from 2000-2003 compared to previously calculated VOM emissions
60.80

The assumptions that were made to recreate this data are as follows

1 : Average pounds of substrate per pound of VOM based upon comparison of known pounds produced from 2000-2003 compared to previously calculated VOM emissions is 60.8

2 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

3 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calclated based upon that

5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calclated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	0.00
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	59.84
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07

Production Pounds for Carol Stream Press Dept Offline presses only

2000, pounds of substrate produced
297,224
272,002
329,448
393,663
341,927
302,430
323,143
284,432
378,747
411,493
293,974
219,297
3,847,780

Pounds above are based upon summary data still available in our data history and accepted as accurate

Calender Year 2000						
All Presses	Press 4			Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Estimated Total VOM In Pounds	Estimated footage	Estimated hours	Estimated Total VOM In Pounds
14,861,200	5,201,420	192.65	1,443	9,659,780	214.66	3,365
13,600,100	4,760,035	176.30	1,321	8,840,065	196.45	3,079
16,472,400	5,765,340	213.53	1,599	10,707,060	237.93	3,730
19,683,150	6,889,103	255.15	1,911	12,794,048	284.31	4,457
17,096,350	5,983,723	221.62	1,660	11,112,628	246.95	3,871
15,121,500	5,292,525	196.02	1,468	9,828,975	218.42	3,424
16,157,150	5,655,003	209.44	1,569	10,502,148	233.38	3,658
14,221,600	4,977,560	184.35	1,381	9,244,040	205.42	3,220
18,937,350	6,628,073	245.48	1,839	12,309,278	273.54	4,288
20,574,650	7,201,128	266.71	1,998	13,373,523	297.19	4,658
14,698,700	5,144,545	190.54	1,427	9,554,155	212.31	3,328
10,964,850	3,837,698	142.14	1,065	7,127,153	158.38	2,483
192,389,000	67,336,150	2,494	18,680	125,052,850	2,779	43,560

The assumptions that were made to recreate this data are as follows

1 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

2 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calclated based upon that

5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calclated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	0.00
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	59.84
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07

Production Pounds for Carol Stream Press Dept Offline presses only

2001, pounds of substrate produced
224,200
279,999
371,488
463,077
454,040
470,136
464,074
397,472
329,620
388,883
296,024
361,312
4,500,325

Pounds above are based upon summary data still available in our data history and accepted as accurate

Calender Year 2001						
All Presses	Press 4			Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Estimated Total VOM In Pounds	Estimated footage	Estimated hours	Estimated Total VOM In Pounds
11,210,000	3,923,500	145.31	1,214	7,286,500	161.92	2,832
13,999,950	4,899,983	181.48	1,516	9,099,968	202.22	3,536
18,574,400	6,501,040	240.78	2,011	12,073,360	268.30	4,692
23,153,850	8,103,848	300.14	2,507	15,050,003	334.44	5,849
22,702,000	7,945,700	294.29	2,458	14,756,300	327.92	5,735
23,506,800	8,227,380	304.72	2,545	15,279,420	339.54	5,938
23,203,700	8,121,295	300.79	2,512	15,082,405	335.16	5,861
19,873,600	6,955,760	257.62	2,151	12,917,840	287.06	5,020
16,481,000	5,768,350	213.64	1,784	10,712,650	238.06	4,163
19,444,150	6,805,453	252.05	2,105	12,638,698	280.86	4,912
14,801,200	5,180,420	191.87	1,602	9,620,780	213.80	3,739
18,065,600	6,322,960	234.18	1,956	11,742,640	260.95	4,563
225,016,250	78,755,688	2,917	24,360.00	146,260,563	3,250	56,840

The assumptions that were made to recreate this data are as follows

1 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

2 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calclated based upon that

5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calclated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	0.00
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	59.84
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07

Production Pounds for Carol Stream Press Dept Offline presses only

2002, pounds of substrate produced
500,856
400,054
506,322
438,780
600,566
425,326
490,796
569,986
334,589
314,275
279,970
478,546
5,340,066

Pounds above are based upon summary data still available in our data history and accepted as accurate

Calender Year 2002						
All Presses	Press 4			Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Estimated Total VOM In Pounds	Estimated footage	Estimated hours	Estimated Total VOM In Pounds
25,042,800	8,764,980	292.17	1,448.15	16,277,820	361.73	4,935
20,002,700	7,000,945	233.36	1,156.70	13,001,755	288.93	3,942
25,316,100	8,860,635	295.35	1,463.95	16,455,465	365.68	4,989
21,939,000	7,678,650	255.96	1,268.67	14,260,350	316.90	4,324
30,028,300	10,509,905	350.33	1,736.45	19,518,395	433.74	5,918
21,266,300	7,443,205	248.11	1,229.77	13,823,095	307.18	4,191
24,539,800	8,588,930	286.30	1,419.06	15,950,870	354.46	4,836
28,499,300	9,974,755	332.49	1,648.03	18,524,545	411.66	5,617
16,729,450	5,855,308	195.18	967.41	10,874,143	241.65	3,297
15,713,750	5,499,813	183.33	908.68	10,213,938	226.98	3,097
13,998,500	4,899,475	163.32	809.49	9,099,025	202.20	2,759
23,927,300	0	0.00	0.00	23,927,300	531.72	7,255
267,003,300	93,451,155	2,836	15,440.00	181,926,700	4,043	55,160.00

The assumptions that were made to recreate this data are as follows

1 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

2 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calclated based upon that

5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calclated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	0.00
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	59.84
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07

Production Pounds for Carol Stream Press Dept Offline presses only

2003, pounds of substrate produced
549,190
551,534
636,383
548,821
457,928
401,362
423,349
616,558
538,688
470,097
432,764
398,009
6,024,683

Pounds above are based upon summary data still available in our data history and accepted as accurate

Calender Year 2003						
All Presses	Press 4 Shut Down and moved out of building			Press 5		
Total Estimated Footage	Estimated footage	Estimated hours	Estimated Total VOM In Pounds	Estimated footage	Estimated hours	Estimated Total VOM In Pounds
27,459,500	0	0.00	0.00	27,459,500	610.21	10,910
27,576,700	0	0.00	0.00	27,576,700	612.82	10,956
31,819,150	0	0.00	0.00	31,819,150	707.09	12,642
27,441,050	0	0.00	0.00	27,441,050	609.80	10,902
22,896,400	0	0.00	0.00	22,896,400	508.81	9,097
20,068,100	0	0.00	0.00	20,068,100	445.96	7,973
21,167,450	0	0.00	0.00	21,167,450	470.39	8,410
30,827,900	0	0.00	0.00	30,827,900	685.06	12,248
26,934,400	0	0.00	0.00	26,934,400	598.54	10,701
23,504,850	0	0.00	0.00	23,504,850	522.33	9,338
21,638,200	0	0.00	0.00	21,638,200	480.85	8,597
19,900,450	0	0.00	0.00	19,900,450	442.23	7,906
301,234,150	0	0	0.00	301,234,150	6,694	119,680.00

The assumptions that were made to recreate this data are as follows

1 : Footage produced was converted based upon an average value of 20# per 1000 feet of material (this value was compared to years where both footage and pound information was available

2 : Press 4 produced approximately 35% of the produced footage at an average of 3 colors run per job consuming 40% less ink per 1000 feet produced

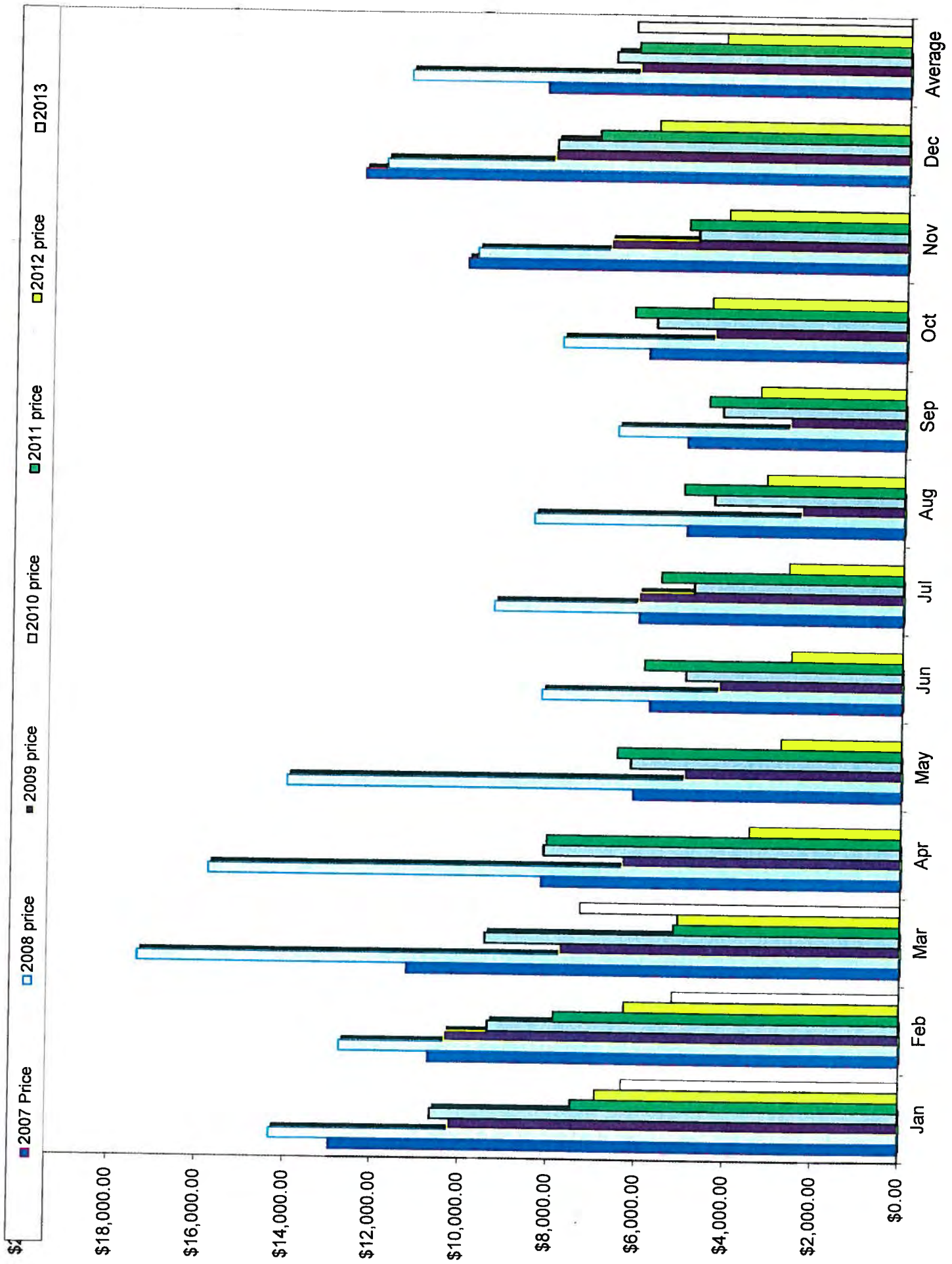
4 : Press 4 produced at a run rate of approximately 450 FPM and estimated hours are calclated based upon that

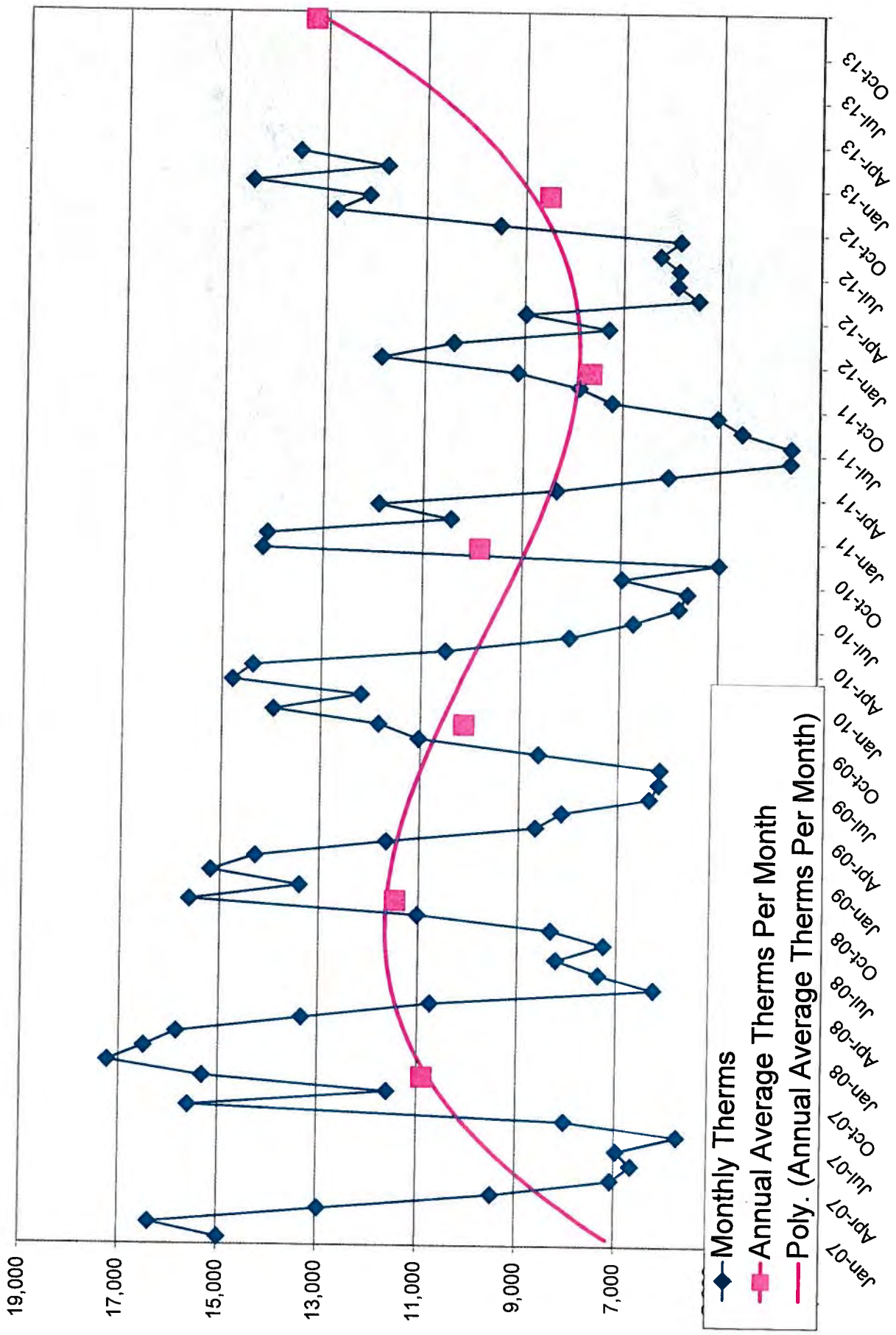
5 : Press 5 produced approximately 65% of the produced footage at an average of 5 colors run per job consuming 60% more ink per 1000 feet produced

6 : Press 5 produced at a run rate of approximately 750 FPM and estimated hours are calclated based upon that

VOC Reporting to Edwin C. Bakowski IEPA provided through Mostardi Platt May 13th 2009
FESOP Application request for additional information ID No:043020ACJ

Press #	1995	1996	1997	1998	1999	2000	2001	2002	2003
Press 1&2	3.98	4.06	3.49	0.58	2.70	1.67	3.37	0.49	1.23
Press 4	6.22	4.59	5.09	5.57	8.71	9.34	12.18	7.72	0.00
Press 5	14.50	10.72	11.89	13.01	20.34	21.78	28.42	27.58	59.84
Total without 1&2	20.72	15.31	16.98	18.58	29.05	31.12	40.60	35.30	59.84
Grand Total	24.70	19.37	20.47	19.16	31.75	32.79	43.97	35.79	61.07


gas chart total
2007 Price
2008 price
2009 price
2010 price
2011 price
2012 price
2013
$18,000.00
$16,000.00
$14,000.00
$12,000.00
$10,000.00
$8,000.00
$6,000.00
$4,000.00
$2,000.00
$0.00
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Average

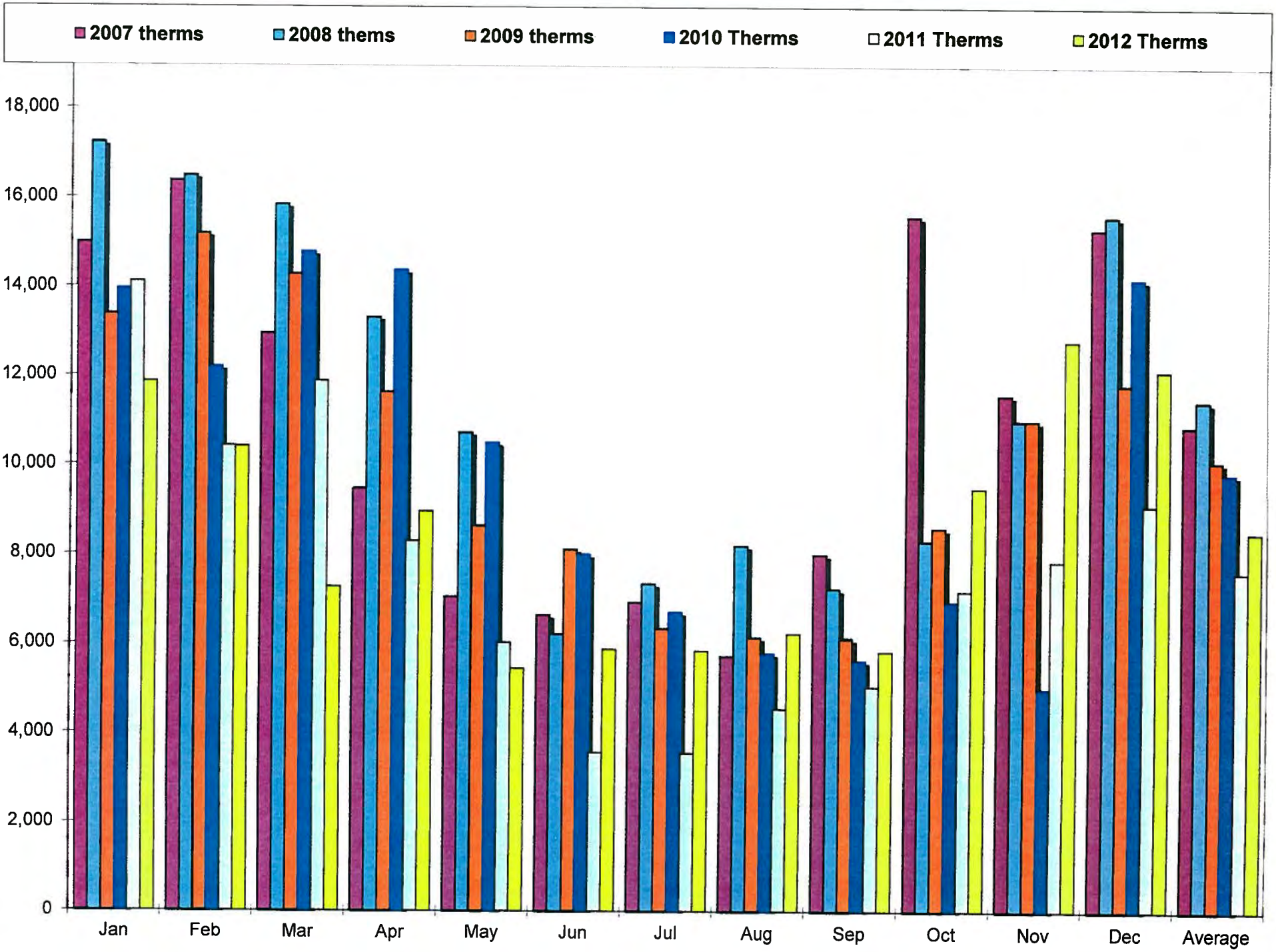

19,000
17,000
15,000
13,000
11,000
9,000
7,000
Monthly Therms
Annual Average Therms Per Month
Poly. (Annual Average Therms Per Month)
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10
Jan-11
Apr-11
Jul-11
Oct-11
Jan-12
Apr-12
Jul-12
Oct-12
Jan-13
Apr-13
Jul-13
Oct-13

		2007			
	Supplier	Therms		Total Invoice	Effective cost per therm
Jan-07	Direct Energy	14,983		$12,960.51	$0.86
Feb-07	Direct Energy	16,372		$10,704.98	$0.65
Mar-07	Direct Energy	12,962		$11,212.48	$0.87
Apr-07	Direct Energy	9,476		$8,196.44	$0.86
May-07	Direct Energy	7,068		$6,113.96	$0.87
Jun-07	Direct Energy	6,662		$5,762.42	$0.86
Jul-07	Direct Energy	6,960		$6,020.22	$0.87
Aug-07	Direct Energy	5,736		$4,961.92	$0.87
Sep-07	Direct Energy	8,025		$4,975.20	$0.62
Oct-07	Direct Energy	15,600		$5,866.94	$0.38
Nov-07	Integrys	11,600		$10,028.87	$0.86
Dec-07	Integrys	15,320	10,897	$12,383.64	$0.81
Average 07				$8,265.63	$0.78
Jan-08	Integrys	17,230		$14,325.63	$0.83
Feb-08	Integrys	16,500		$12,732.53	$0.77
Mar-08	Integrys	15,848		$17,346.04	$1.09
Apr-08	Integrys	13,332		$15,756.76	$1.18
May-08	Integrys	10,743		$13,990.78	$1.30
Jun-08	Integrys	6,240		$8,212.47	$1.32
Jul-08	Integrys	7,368		$9,324.16	$1.27
Aug-08	Integrys	8,221		$8,428.97	$1.03
Sep-08	Integrys	7,260		$6,531.30	$0.90
Oct-08	Nicor	8,332		$7,827.57	$0.94
Nov-08	Nicor	11,022		$9,796.89	$0.89
Dec-08	Nicor	15,612	11,476	$11,882.23	$0.76
Average 08				$11,346.28	$1.02
Jan-09	Nicor	13,392		$10,229.17	$0.76
Feb-09	Nicor	15,193		$10,339.22	$0.68
Mar-09	Nicor	14,292		$7,750.38	$0.54
Apr-09	Nicor	11,658		$6,331.26	$0.54
May-09	Nicor	8,656		$4,946.05	$0.57
Jun-09	Const NE	8,137		$4,194.89	$0.52
Jul-09	Const NE	6,358		$6,032.70	$0.95
Aug-09	Const NE	6,169		$2,336.53	$0.38
Sep-09	Const NE	6,150		$2,624.95	$0.43
Oct-09	Const NE	8,615		$4,377.35	$0.51
Nov-09	Const NE	11,030		$6,761.95	$0.61
Dec-09	Const NE	11,840	10,124	$8,076.49	$0.68
Average 09				$6,166.75	$0.60
Jan-10	Const NE	13,960		$10,641.07	$0.76
Feb-10	Const NE	12,200		$9,367.32	$0.77
Mar-10	Const NE	14,790		$9,455.45	$0.64
Apr-10	Const NE	14,380		$8,133.77	$0.57
May-10	Const NE	10,510		$6,166.53	$0.59
Jun-10	Const NE	8,020		$ 4,936.50	$0.62
Jul-10	Const NE	6,728		$ 4,773.38	$0.71
Aug-10	Const NE	5,799		$ 4,337.57	$0.75
Sep-10	Const NE	5,630		4,163.64	$0.74
Oct-10	Const NE	6,963		5,695.86	$0.82
Nov-10	Const NE	5,000		4,765.04	$0.95
Dec-10	Const NE	14,213	9,849	8,031.07	$0.57
Average 10				6,705.60	$0.68
Jan-11	Const NE	14,120		$7,452.42	$0.53
Feb-11	Const NE	10,429		$7,863.77	$0.75
Mar-11	Const NE	11,885		$5,153.62	$0.43
Apr-11	Const NE	8,310		$8,057.91	$0.97
May-11	Const NE	6,043		$6,470.81	$1.07
Jun-11	Const NE	3,570		$ 5,872.29	$1.64
Jul-11	Const NE	3,557		$ 5,508.72	$1.55
Aug-11	Const NE	4,552		$ 5,021.98	$1.10
Sep-11	Const NE	5,050		4,473.89	$0.89
Oct-11	Const NE	7,207		6,199.04	$0.86
Nov-11	Const NE	7,877		4,976.50	$0.63
Dec-11	Const NE	9,120	7,643	7,048.00	$0.77
Average 11				6,174.91	$0.93
Jan-12	Const NE	11,869		$6,895.16	$0.58
Feb-12	Const NE	10,413		$6,259.37	$0.60
Mar-12	Const NE	7,288		$5,059.28	$0.69
Apr-12	Const NE	8,965		$3,447.24	$0.38
May-12	Const NE	5,460		$2,741.91	$0.50
Jun-12	Const NE	5,889		$ 2,525.94	$0.43
Jul-12	Const NE	5,860		$ 2,599.61	$0.44
Aug-12	Const NE	6,248		$ 3,139.81	$0.50
Sep-12	Const NE	5,845		3,299.07	$0.56
Oct-12	Const NE	9,502		4,432.50	$0.47
Nov-12	Const NE	12,809		4,066.94	$0.32
Dec-12	Const NE	12,142	8,524	5,690.63	$0.47
Average 12				4,179.79	$0.50
Jan-13	Const NE	14,484		$6,290.49	$0.43
Feb-13	Const NE	11,786		$5,162.26	$0.44
Mar-13	Const NE	13,535		$7,279.77	$0.54
Apr-13	Const NE				
May-13	Const NE				
Jun-13	Const NE				
Jul-13	Const NE				
Aug-13	Const NE				
Sep-13	Const NE				
Oct-13	Const NE				
Nov-13	Const NE				
Dec-13	Const NE		13,268		
Average 13				6,244.17	$0.13

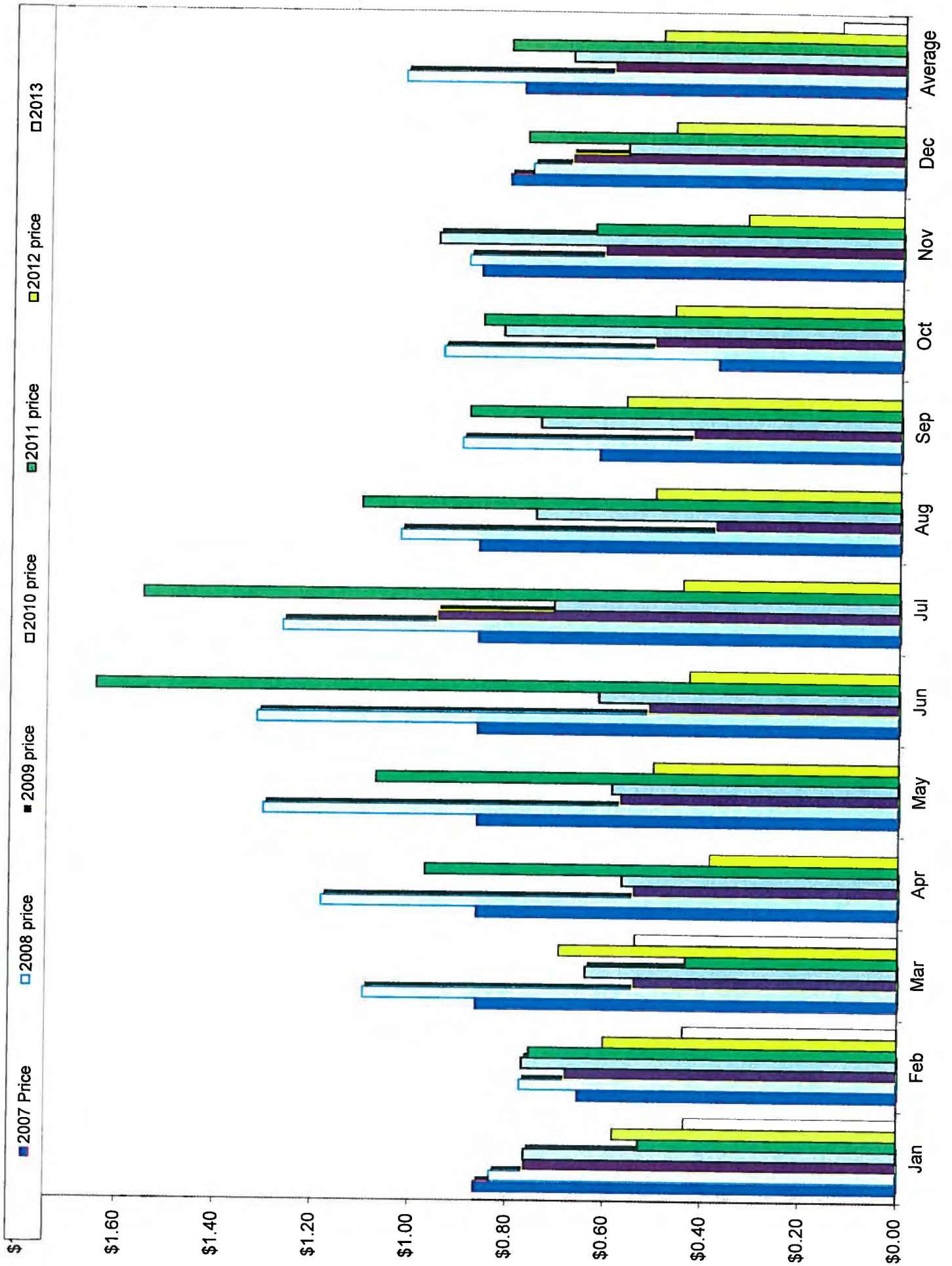
130,764	$99,187.58	$0.76	Average
137,708	$136,155.33	$0.99	
121,490	$74,000.94	$0.61	
118,193	$80,467.20	$0.68	
91,719	$74,098.95	$0.81	
102,290	$50,157.46	$0.49	
39,804	$18,732.52	$0.47	

Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec

gas chart therms

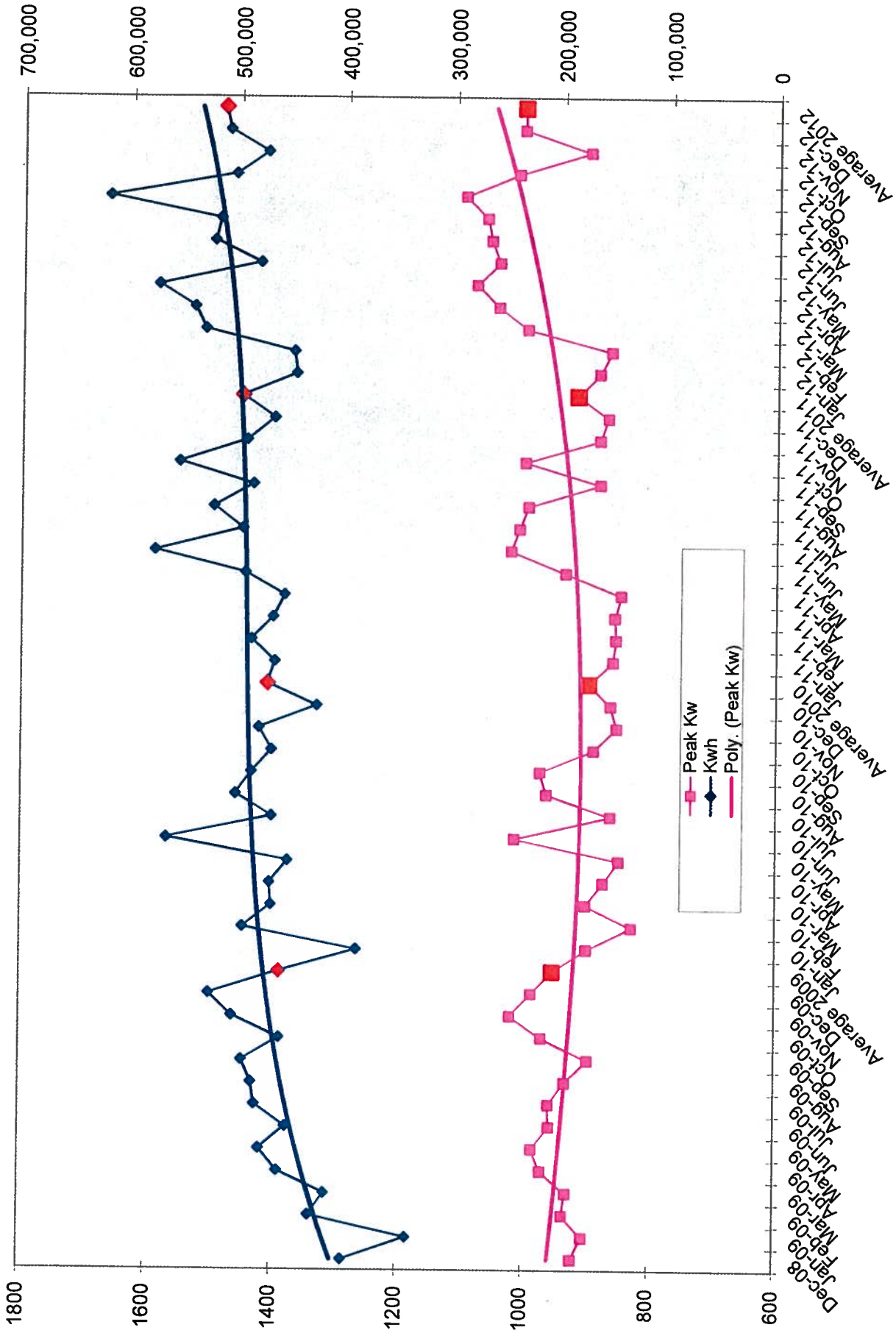


Electronic Filing - Recived, Clerk's Office : 05/13/2013

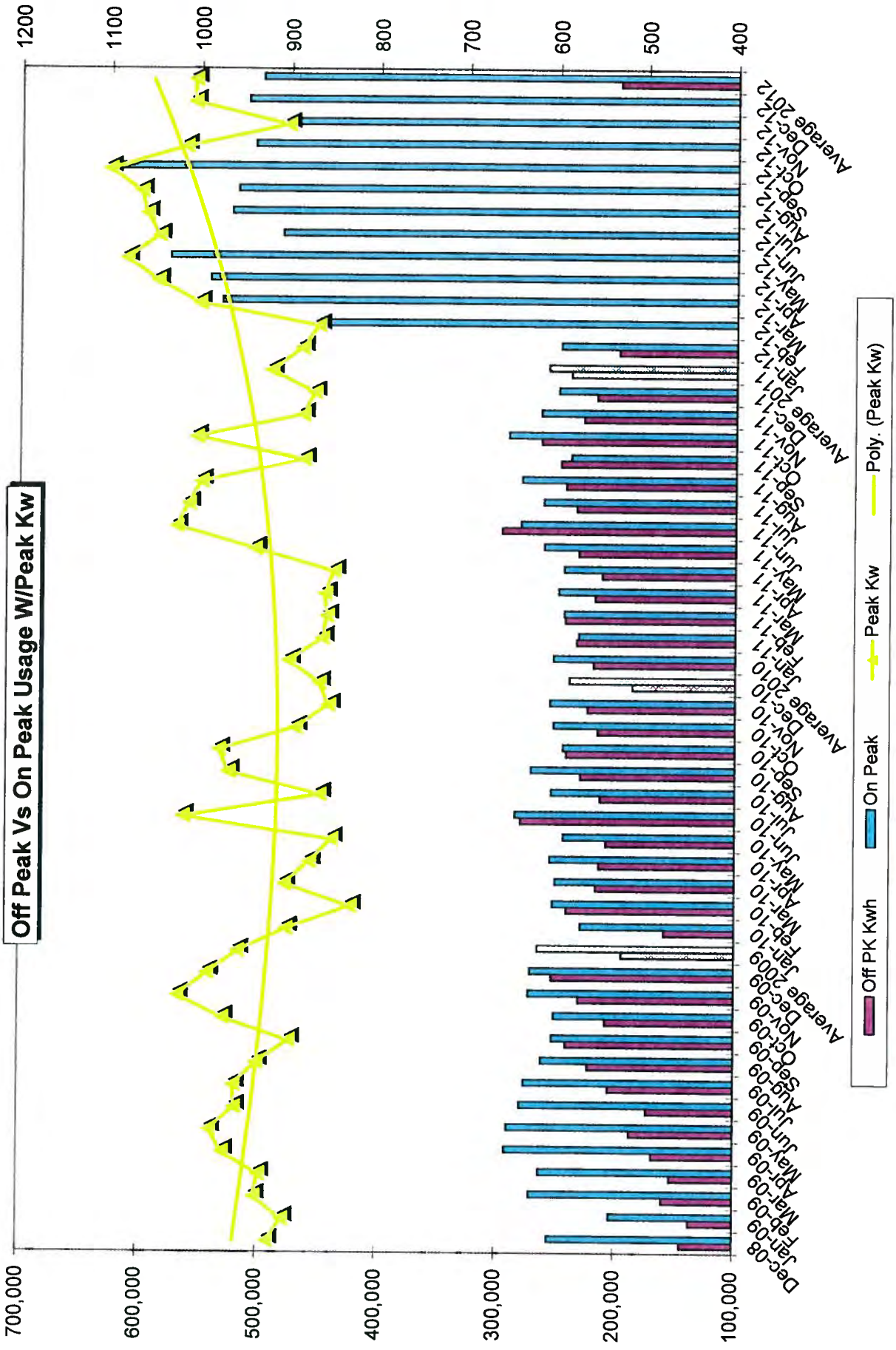

gas chart price
2007 Price
2008 price
2009 price
2010 price
2011 price
2012 price
2013
$
$1.60
$1.40
$1.20
$1.00
$0.80
$0.60
$0.40
$0.20
$0.00
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Average

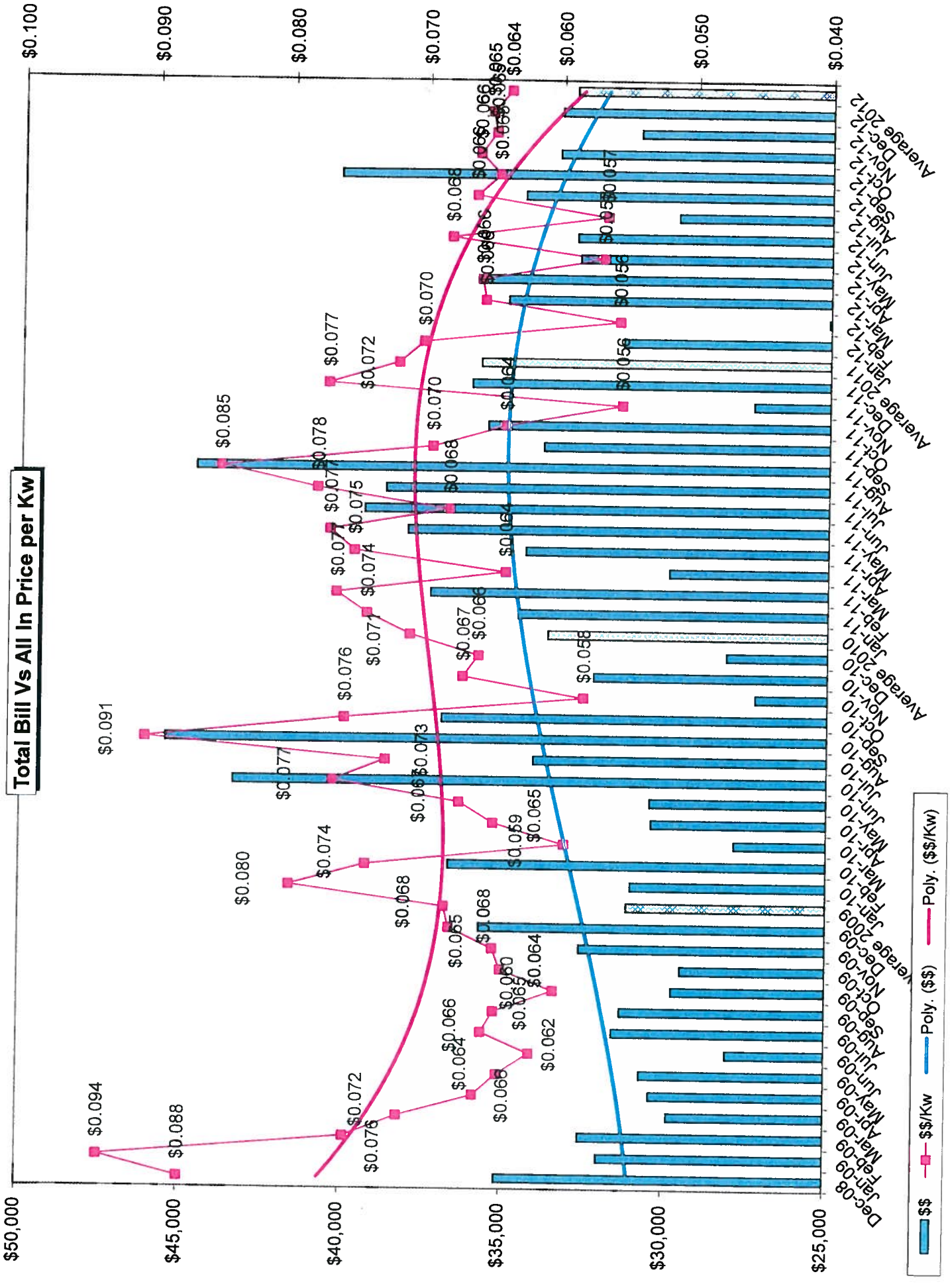
Billing Month	Start Date	End Day	Days	Kwh	Off PK Kwh	On Peak	Kwh per day	% Off peak	Peak Kw	$$	$$/day	$$/Kw	61.6	61.6 * 12
Dec-08	11/17/2008	12/18/2008	32	399,715	144,020	255,695	12,491	36%	921.67	$35,144.38	$1,098.26	$0.088	$5.41	$64.89
Jan-09	12/19/2008	1/22/2009	34	340,535	136,758	203,777	10,016	40%	904.79	$31,983.58	$940.69	$0.094	$5.78	$69.31
Feb-09	1/22/2009	2/20/2009	29	430,348	159,329	271,019	14,840	37%	936.07	$32,563.06	$1,122.86	$0.076	$4.65	$55.84
Mar-09	2/20/2009	3/23/2009	31	416,108	152,795	263,313	13,423	37%	931	$29,839.12	$962.55	$0.072	$4.41	$52.92
Apr-09	3/23/2009	4/21/2009	29	460,199	168,349	291,850	15,869	37%	971.39	$30,409.01	$1,048.59	$0.066	$4.08	$48.77
May-09	4/21/2009	5/20/2009	29	477,278	187,226	290,052	16,458	39%	985.82	$30,700.22	$1,058.63	$0.064	$3.98	$47.47
Jun-09	5/20/2009	6/19/2009	30	452,837	173,110	279,727	15,095	38%	958.36	$28,040.31	$934.68	$0.062	$3.81	$45.70
Jul-09	6/19/2009	7/21/2009	32	481,722	205,508	276,214	15,054	43%	959.54	$31,569.79	$986.56	$0.066	$4.03	$48.37
Aug-09	7/21/2009	8/19/2009	29	484,925	223,008	261,917	16,722	46%	934.06	$31,327.52	$1,080.26	$0.065	$3.97	$47.68
Sep-09	8/19/2009	9/21/2009	33	494,130	241,230	252,900	14,974	49%	898.27	$29,740.78	$901.24	$0.060	$3.70	$44.42
Oct-09	9/21/2009	10/19/2009	28	459,470	208,147	251,323	16,410	45%	971.93	$29,471.03	$1,052.54	$0.064	$3.94	$47.34
Nov-09	10/19/2009	11/17/2009	29	503,684	230,814	272,870	17,368	46%	1,022.00	$32,804.50	$1,124.29	$0.065	$3.98	$47.77
Dec-09	11/17/2009	12/21/2009	34	525,177	253,493	271,684	15,446	48%	988.99	$35,724.42	$1,050.72	$0.068	$4.18	$50.20
Average 2009			31	460,534	194,981	265,554	15,139	$0.421	955	31,164	$1,021.97	$0.068	$4.207	$50.482
Jan-10	12/21/2009	1/22/2010	32	388,444	159,023	229,421	12,139	41%	901.58	$31,047.19	$970.22	$0.080	$4.92	$58.99
Feb-10	1/22/2010	2/22/2010	31	494,274	241,398	252,876	15,944	49%	830.66	$36,700.74	$1,183.89	$0.074	$4.57	$54.80
Mar-10	2/22/2010	3/23/2010	29	467,842	216,868	250,974	16,132	46%	903.96	$27,834.60	$959.81	$0.059	$3.68	$43.91
Apr-10	3/23/2010	4/21/2010	29	469,534	214,105	255,429	16,191	46%	878.1	$30,423.26	1,049	$0.065	$3.98	$47.82
May-10	4/21/2010	5/19/2010	28	452,509	208,400	244,109	16,161	46%	851.26	$30,474.06	1,088	$0.067	$4.14	$49.70
Jun-10	5/19/2010	6/21/2010	33	565,340	280,427	284,913	17,132	50%	1018.86	$43,387.65	1,315	$0.077	$4.72	$56.64
Jul-10	6/21/2010	7/21/2010	30	467,922	213,431	254,491	15,597	46%	884.72	$34,079.82	1,136	$0.073	$4.48	$53.75
Aug-10	7/21/2010	8/19/2010	29	501,552	229,897	271,655	17,295	46%	966.53	$45,471.22	1,568	$0.091	$5.58	$66.81
Sep-10	8/19/2010	9/20/2010	32	486,758	242,039	244,719	15,211	50%	976.97	$36,943.16	1,154	$0.076	$4.67	$56.01
Oct-10	9/20/2010	10/19/2010	29	468,135	215,667	252,468	16,143	46%	892.15	$27,223.63	939	$0.058	$3.58	$42.92
Nov-10	10/19/2010	11/17/2010	29	480,041	224,313	255,728	16,553	47%	855.36	$32,234.77	1,112	$0.067	$4.13	$49.56
Dec-10	11/17/2010	12/17/2010	30	426,086	186,435	239,651	14,203	44%	865.51	$28,117.86	937	$0.066	$4.06	$48.70
Average 2010			30	472,370	219,334	253,036	15,725	$0.463	900	33,661	$1,117.68	$0.071	$4.373	$52.475
Jan-11	12/18/2010	1/21/2011	34	485,538	233,649	231,889	13,692	50%	862.06	$34,591.23	1,017	$0.074	$4.57	$54.84
Feb-11	1/21/2011	2/22/2011	32	497,482	243,286	244,195	15,234	50%	857.52	$37,329.42	1,167	$0.077	$4.71	$56.51
Mar-11	2/22/2011	3/23/2011	29	467,237	218,177	249,060	16,112	47%	859.54	$29,924.27	1,032	$0.064	$3.94	$47.27
Apr-11	3/23/2011	4/21/2011	29	456,856	212,343	244,313	15,747	46%	849.74	$34,376.19	1,185	$0.075	$4.63	$55.56
May-11	4/21/2011	5/20/2011	29	493,474	232,125	261,349	17,016	47%	938.23	$38,050.88	1,312	$0.077	$4.74	$56.91
Jun-11	5/20/2011	6/21/2011	32	577,282	296,526	280,756	18,040	51%	1025.35	$39,389.90	1,231	$0.068	$4.20	$50.38
Jul-11	6/21/2011	7/21/2011	30	496,047	234,122	261,925	16,535	47%	1012.25	$38,735.55	1,291	$0.078	$4.80	$57.63
Aug-11	7/21/2011	8/19/2011	29	523,100	242,970	280,130	18,038	46%	998.28	$44,591.75	1,538	$0.085	$5.24	$62.91
Sep-11	8/19/2011	9/20/2011	32	486,610	247,488	239,122	15,207	51%	884.23	$33,854.95	1,058	$0.070	$4.28	$51.34
Oct-11	9/20/2011	10/19/2011	29	555,265	263,864	291,401	19,147	48%	1003.9	$35,592.73	1,227	$0.064	$3.94	$47.31
Nov-11	10/19/2011	11/17/2011	29	492,851	228,366	264,284	16,988	46%	885.24	$27,359.00	943	$0.056	$3.42	$40.98
Dec-11	11/17/2011	12/20/2011	33	467,049	217,374	249,675	14,153	47%	872.42	$38,106.19	1,094	$0.077	$4.75	$57.05
Average 2011			31	497,366	239,191	258,175	16,326	48.05%	921	35,825	$1,174.66	$0.072	$4.435	$53.222
Jan-12	12/20/2011	1/24/2012	35	447,014	199,006	248,008	12,772	45%	886.25	$31,423.01	898	$0.070	$4.32	$51.88
Feb-12	1/24/2012	2/22/2012	29	449,309		449,309	15,493	0%	867.82	$25,056.58	864	$0.056	$3.43	$41.16
Mar-12	2/22/2012	3/22/2012	29	532,222		532,222	18,352	0%	1001.45	$34,999.56	1,207	$0.066	$4.04	$48.53
Apr-12	3/22/2012	4/20/2012	29	542,175		542,175	18,696	0%	1047.96	$35,792.78	1,234	$0.066	$4.08	$48.72
May-12	4/20/2012	5/21/2012	31	575,507		575,507	18,565	0%	1062.66	$32,785.89	1,058	$0.057	$3.50	$42.04
Jun-12	5/21/2012	6/20/2012	30	481,581		481,581	16,053	0%	1046.81	$32,891.83	1,096	$0.068	$4.20	$50.41
Jul-12	6/20/2012	7/20/2012	30	524,249		524,249	17,475	0%	1060.34	$29,756.26	992	$0.057	$3.49	$41.89
Aug-12	7/20/2012	8/17/2012	28	519,034		519,034	18,537	0%	1067.04	$34,504.56	1,232	$0.066	$4.09	$49.08
Sep-12	8/17/2012	9/19/2012	33	621,180		621,180	18,824	0%	1101.67	$40,216.18	1,219	$0.065	$3.96	$47.78
Oct-12	9/19/2012	10/17/2012	28	504,875		504,875	18,031	0%	1017.36	$33,440.47	1,194	$0.066	$4.07	$48.88
Nov-12	10/17/2012	11/15/2012	29	475,527		475,527	16,397	0%	903.38	$30,944.84	1,067	$0.065	$4.00	$48.03
Dec-12	11/15/2012	12/18/2012	33	510,923		510,923	15,483	0%	1008.22	$33,384.11	1,012	$0.065	$4.02	$48.22
Average 2012			30	515,300	199,006	498,716	17,056	3.71%	1,008	32,933	$1,089.40	$0.064	$3.935	$47.216
Jan-13	12/18/2012	1/22/2013	35	454,267		454,267	12,979	0%	948.6	$30,651.51	876	$0.067	$4.15	$49.80
Feb-13	1/22/2013	2/21/2013	30	506,966		506,966	16,899	0%	976	$33,685.52	1,123	$0.066	$4.09	$49.04
Mar-13	2/21/2013	3/22/2013	29	524,143		524,143	18,074	0%	1052	$35,028.18	1,208	$0.067	$4.11	$49.32
Apr-13			0					#DIV/0!					#VALUE!	#VALUE!
May-13			0					#DIV/0!					#VALUE!	#VALUE!
Jun-13			0					#DIV/0!					#VALUE!	#VALUE!
Jul-13			0					#DIV/0!					#VALUE!	#VALUE!
Aug-13			0					#DIV/0!					#VALUE!	#VALUE!
Sep-13			0					#DIV/0!					#VALUE!	#VALUE!
Oct-13			0					#DIV/0!					#VALUE!	#VALUE!
Nov-13			0					#DIV/0!					#VALUE!	#VALUE!
Dec-13			0					#DIV/0!					#VALUE!	#VALUE!
Average 2013			8	495,125	#DIV/0!	495,125	15,984	#DIV/0!	992	33,122	$1,068.83	$0.067	#VALUE!	#VALUE!

$4.31
w/gas
$4.31


electric chart 2
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
1800
1600
1400
1200
1000
800
600
Peak Kw
Kwh
Poly. (Peak Kw)
Dec-08
Jan-09
Feb-09
Mar-09
Apr-09
May-09
Jun-09
Jul-09
Aug-09
Sep-09
Oct-09
Nov-09
Dec-09
Average 2009
Jan-10
Feb-10
Mar-10
Apr-10
May-10
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Average 2010
Jan-11
Feb-11
Mar-11
Apr-11
May-11
Jun-11
Jul-11
Aug-11
Sep-11
Oct-11
Nov-11
Dec-11
Average 2011
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Average 2012

Electric Usage chart





Electric chart

Electronic Filing - Recived, Clerk's Office : 05/13/2013

	Estimate Average Run Speed	Expected Uptime	Expected Effective Run Rate	Expected Set up time per color in minutes	Expected number colors to set up	Expected Average Daily Set up time	Estimated Total Hours Scheduled	Expected end of shift Start up and shut down cleaning time	Expected Net Daily Run Hours	Expected Number of days Scheduled	Expected end of Week Start up and shut down PM and cleaning time	Expected Net weekly Run Hours	Expected Daily Output	Expected Monthly Output	Average Wieght per 1000 feet	Total expected Capacity in Pounds
Press 4 1 shift	600	80.00%	480	45	3	2.25	8	2	3	5	8.00	7.00	108,000	2,338,200	20.5	47,933
Press 4 2 shifts	600	80.00%	480	45	6	4.5	16	2	7.6	5	8.00	30.00	273,600	5,923,440	20.5	121,431
Press 4 3 shifts	600	80.00%	480	45	9	6.75	24	0	13.8	5	8.00	61.00	496,800	10,755,720	20.5	220,492

	Estimate Average Run Speed	Expected Uptime	Effective Run Rate	Set up time per color in minutes	Expected number colors to set up	Expected Average Daily Set up time	Estimated Total Hours Scheduled	Expected end of shift Start up and shut down cleaning time	Net Run Hours	Number of days Scheduled	Expected end of Week Start up and shut down PM and cleaning time	Net weekly Run Hours	Daily Expected Output	Monthly	Average Wieght per 1000 feet	Total expected Capacity in Pounds
Press 5 1 shift	900	85.00%	765	15	5	1.25	8	2	4.04	5	8.00	12.19	218,025	4,720,241	20.5	96,765
Press 5 2 shifts	900	85.00%	765	15	10	2.50	16	2	9.78	5	8.00	40.88	527,850	11,427,953	20.5	234,273
Press 5 3 shifts	900	85.00%	765	15	15	3.75	24	0	17.21	5	8.00	78.06	929,475	20,123,134	20.5	412,524
Press 5 4 shifts	900	85.00%	765	15	15	3.75	24	0	17.21	7	0.00	120.49	929,475	28,172,387	20.5	577,534

All of the above numbers are estimates based upon my recollection and my techical knowledge and understanding of the process.
These numbers will be effected up and down in any given month due to changes in product mix or fluctuations in efficiancy

Workbook Contents

Illinois Price of Natural Gas Sold to Commercial Consumers (Dollars per Thousand Cubic Feet)

Click worksheet name or tab at bottom for data

Worksheet Name	Description	# Of Series	Frequency	Latest Data for
Data 1	Illinois Price of Natural Gas Sold to Commercial Consumers (Dollars p	1	Monthly	1/2013

Release Date:	3/29/2013
Next Release Date:	4/30/2013
Excel File Name:	n3020il3m.xls
Available from Web Page:	http://tonto.eia.gov/dnav/ng/hist/n3020il3m.htm
Source:	Energy Information Administration
For Help, Contact:	infoctr@eia.doe.gov
	(202) 586-8800

Back to Contents

Data 1: Illinois Price of Natural Gas Sold to Commercial Consumers (Dc

Sourcekey	N3020IL3
Date	Illinois Price of Natural Gas Sold to Commercial Consumers (Dollars per Thousand Cubic Feet)
Jan-1989	4.42
Feb-1989	4.66
Mar-1989	4.77
Apr-1989	4.61
May-1989	4.62
Jun-1989	4.84
Jul-1989	5.1
Aug-1989	5.19
Sep-1989	4.88
Oct-1989	4.39
Nov-1989	4.2
Dec-1989	4.38
Jan-1990	4.56
Feb-1990	4.97
Mar-1990	4.83
Apr-1990	4.5
May-1990	4.66
Jun-1990	5
Jul-1990	5.11
Aug-1990	4.92
Sep-1990	4.37
Oct-1990	4.37
Nov-1990	4.26
Dec-1990	4.56
Jan-1991	4.74
Feb-1991	4.55
Mar-1991	4.39
Apr-1991	4.56
May-1991	5.24
Jun-1991	6.41
Jul-1991	5.3
Aug-1991	5.36
Sep-1991	4.58
Oct-1991	4.31
Nov-1991	4.16
Dec-1991	4.23
Jan-1992	4.44
Feb-1992	4.52
Mar-1992	4.11
Apr-1992	4.02
May-1992	4.8
Jun-1992	5.94
Jul-1992	5.48
Aug-1992	5.31

Sep-1992	5.28
Oct-1992	4.89
Nov-1992	4.93
Dec-1992	4.88
Jan-1993	4.89
Feb-1993	4.81
Mar-1993	4.63
Apr-1993	5.24
May-1993	5.99
Jun-1993	6.78
Jul-1993	5.99
Aug-1993	6.53
Sep-1993	5.8
Oct-1993	5.49
Nov-1993	5
Dec-1993	5.03
Jan-1994	5.01
Feb-1994	5.04
Mar-1994	5.28
Apr-1994	5.74
May-1994	6.07
Jun-1994	6.12
Jul-1994	6.44
Aug-1994	6.2
Sep-1994	5.77
Oct-1994	4.81
Nov-1994	4.33
Dec-1994	4.63
Jan-1995	4.39
Feb-1995	4.44
Mar-1995	4.53
Apr-1995	4.42
May-1995	5.16
Jun-1995	5.16
Jul-1995	5.35
Aug-1995	5.01
Sep-1995	5.23
Oct-1995	4.23
Nov-1995	4.11
Dec-1995	4
Jan-1996	4.07
Feb-1996	4.31
Mar-1996	4.75
Apr-1996	5
May-1996	6.19
Jun-1996	6.68
Jul-1996	7.09
Aug-1996	7.66
Sep-1996	6.25
Oct-1996	5.23
Nov-1996	4.83
Dec-1996	5.2

Jan-1997	5.87
Feb-1997	5.66
Mar-1997	4.95
Apr-1997	4.62
May-1997	4.91
Jun-1997	5.53
Jul-1997	5.66
Aug-1997	6.08
Sep-1997	6.22
Oct-1997	5.79
Nov-1997	5.26
Dec-1997	5.21
Jan-1998	4.76
Feb-1998	4.68
Mar-1998	4.72
Apr-1998	5.26
May-1998	6.84
Jun-1998	6.25
Jul-1998	8.18
Aug-1998	6.41
Sep-1998	6.1
Oct-1998	5.32
Nov-1998	4.88
Dec-1998	4.69
Jan-1999	4.43
Feb-1999	4.45
Mar-1999	4.4
Apr-1999	4.79
May-1999	6.5
Jun-1999	7.07
Jul-1999	7.87
Aug-1999	8.43
Sep-1999	7.15
Oct-1999	6.28
Nov-1999	6.12
Dec-1999	5.34
Jan-2000	4.92
Feb-2000	5.05
Mar-2000	5.38
Apr-2000	5.89
May-2000	7.59
Jun-2000	10.33
Jul-2000	9.92
Aug-2000	9.29
Sep-2000	9.06
Oct-2000	9.5
Nov-2000	8.42
Dec-2000	8.63
Jan-2001	11.13
Feb-2001	10.76
Mar-2001	9.02
Apr-2001	8.53

May-2001	8.78
Jun-2001	9.04
Jul-2001	7.41
Aug-2001	7.54
Sep-2001	6.3
Oct-2001	4.8
Nov-2001	5.49
Dec-2001	5.15
Jan-2002	6.21
Feb-2002	6.16
Mar-2002	6.4
Apr-2002	6.76
May-2002	8.87
Jun-2002	10.74
Jul-2002	10.38
Aug-2002	9.9
Sep-2002	9.33
Oct-2002	8.31
Nov-2002	8.35
Dec-2002	8.14
Jan-2003	7
Feb-2003	7.21
Mar-2003	9.5
Apr-2003	9.2
May-2003	9.77
Jun-2003	11.05
Jul-2003	10.85
Aug-2003	10.12
Sep-2003	9.12
Oct-2003	8.38
Nov-2003	8.24
Dec-2003	7.84
Jan-2004	8.53
Feb-2004	8.26
Mar-2004	8.15
Apr-2004	8.94
May-2004	10.42
Jun-2004	10.95
Jul-2004	12.07
Aug-2004	11.29
Sep-2004	10.62
Oct-2004	9.3
Nov-2004	9.84
Dec-2004	9.42
Jan-2005	9.34
Feb-2005	9.15
Mar-2005	8.81
Apr-2005	10.38
May-2005	11.49
Jun-2005	11.92
Jul-2005	12.3
Aug-2005	12.9

Sep-2005	13.73
Oct-2005	14.29
Nov-2005	14.54
Dec-2005	13.82
Jan-2006	13.35
Feb-2006	12.37
Mar-2006	10.59
Apr-2006	9.85
May-2006	10.42
Jun-2006	10.31
Jul-2006	11.1
Aug-2006	11.17
Sep-2006	10.54
Oct-2006	9.09
Nov-2006	8.87
Dec-2006	9.72
Jan-2007	9.68
Feb-2007	9.8
Mar-2007	10.07
Apr-2007	10.84
May-2007	11.2
Jun-2007	12.49
Jul-2007	13.41
Aug-2007	12.99
Sep-2007	11.79
Oct-2007	10.95
Nov-2007	10.42
Dec-2007	9.77
Jan-2008	9.54
Feb-2008	10.15
Mar-2008	11.14
Apr-2008	12.16
May-2008	14.36
Jun-2008	16.78
Jul-2008	18.76
Aug-2008	18.66
Sep-2008	16.19
Oct-2008	13.89
Nov-2008	12.27
Dec-2008	10.66
Jan-2009	9.54
Feb-2009	9.15
Mar-2009	8.15
Apr-2009	7.29
May-2009	8.75
Jun-2009	9.8
Jul-2009	10.6
Aug-2009	11.23
Sep-2009	10.34
Oct-2009	8.25
Nov-2009	8.1
Dec-2009	7.28

Jan-2010	8.07
Feb-2010	8.65
Mar-2010	8.89
Apr-2010	9.3
May-2010	10.16
Jun-2010	11.32
Jul-2010	12.81
Aug-2010	12.31
Sep-2010	11.73
Oct-2010	9.55
Nov-2010	8.03
Dec-2010	7.22
Jan-2011	7.23
Feb-2011	7.4
Mar-2011	7.72
Apr-2011	8.13
May-2011	9.21
Jun-2011	11.58
Jul-2011	12.78
Aug-2011	12.85
Sep-2011	11.51
Oct-2011	9.6
Nov-2011	8.37
Dec-2011	7.68
Jan-2012	6.93
Feb-2012	6.53
Mar-2012	7.78
Apr-2012	7.64
May-2012	10.36
Jun-2012	10.63
Jul-2012	12.05
Aug-2012	11.81
Sep-2012	10.04
Oct-2012	8.3
Nov-2012	7.51
Dec-2012	7.28
Jan-2013	6.87

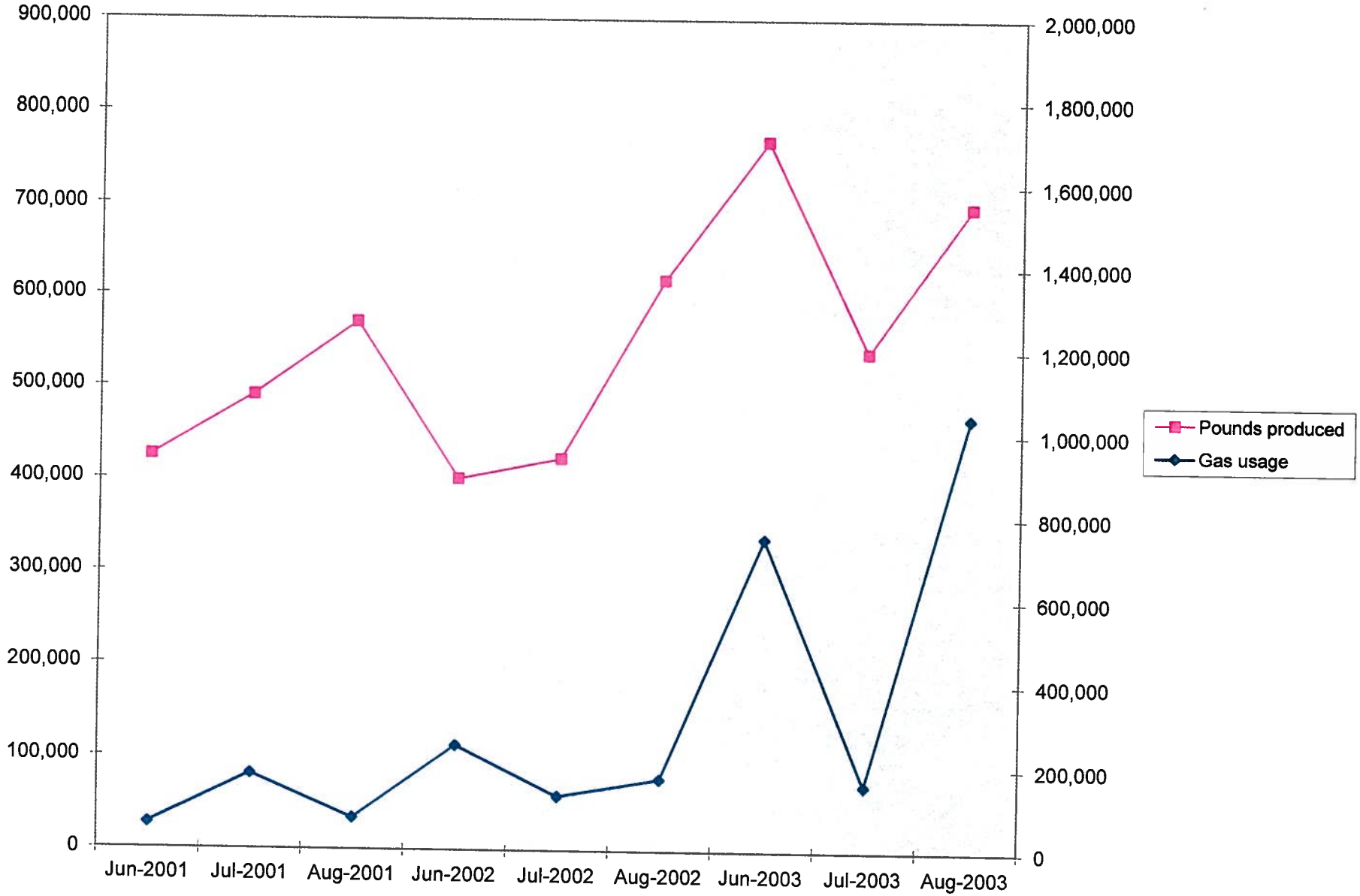
)llars per Thousand Cubic Feet)

Voucher	Date	Invoice	Amount current	Due date	Payment reference	Method of payment
VI003850	6/12/2002	61202	$539.81	6/12/2002	35921	CHK
VI004220	7/10/2002	71002	$1,331.04	7/10/2002	36076	CHK
VI004665	8/8/2002	80802	$563.92	8/8/2002	36352	CHK
VI007905	6/11/2003	61103	$2,684.71	6/11/2003	38570	CHK
VI008125	7/10/2003	32	$1,344.56	7/10/2003	38770	CHK
VI008428	8/11/2003	81103	$1,700.32	8/11/2003	38984	CHK
VI011957	6/11/2004	61104	$8,282.23	6/11/2004	41250	CHK
VI012274	7/9/2004	70904	$1,711.62	7/9/2004	41438	CHK
VI012731	8/11/2004	81104	$10,519.99	8/11/2004	41700	CHK

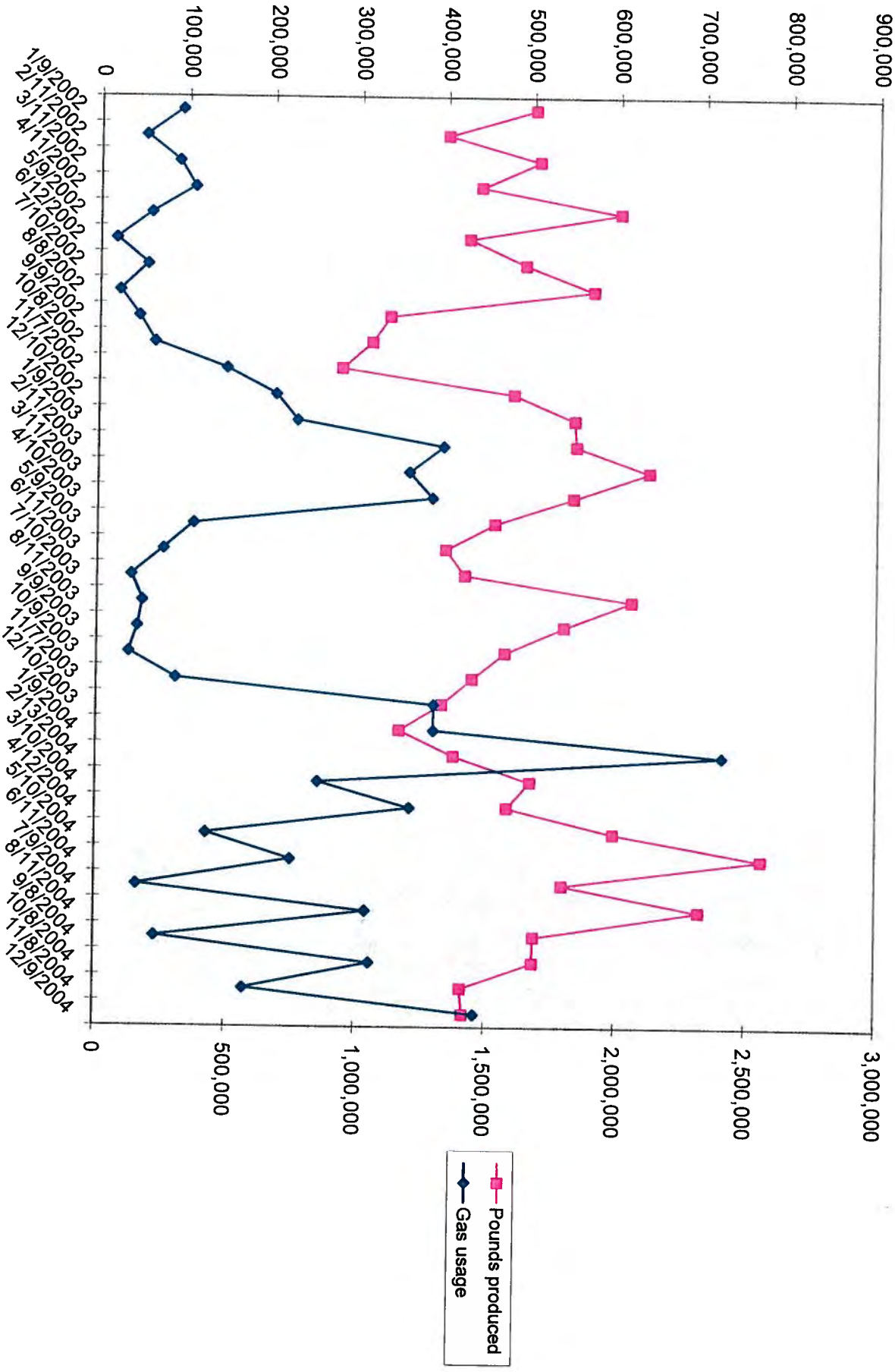
425,326	Jun-2001	9.04	59,713	0.140395
490,796	Jul-2001	7.41	179,628	0.365992
569,986	Aug-2001	7.54	74,790	0.131215
401,362	Jun-2002	10.74	249,973	0.622812
423,349	Jul-2002	10.38	129,534	0.305974
616,558	Aug-2002	9.9	171,749	0.278562
768,522	Jun-2003	11.05	749,523	0.975279
538,630	Jul-2003	10.85	157,753	0.292878
696,579	Aug-2003	10.12	1,039,525	1.492329

Electronic Filing - Recived, Clerk's Office : 05/13/2013

gas (2)



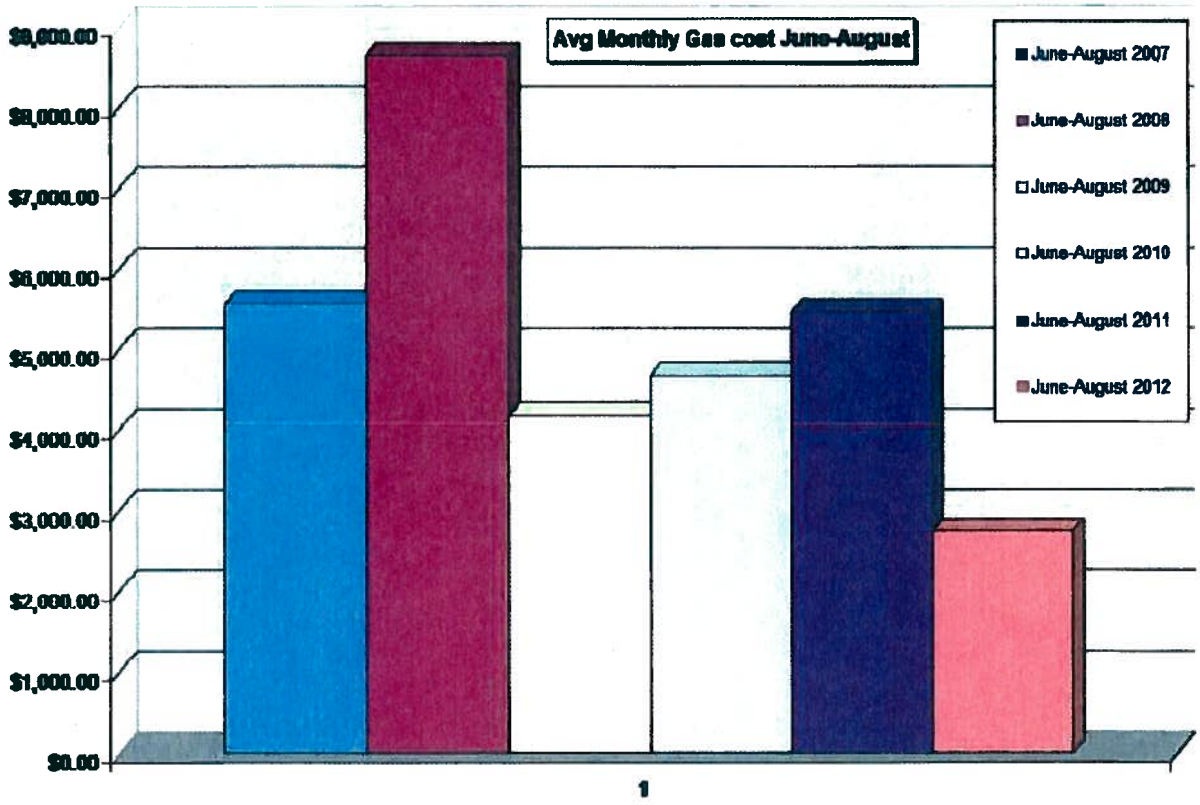
Electronic Filing - Recived, Clerk's Office : 05/13/2013



gas

Voucher	Date	Invoice	Amount current	Due date	Payment reference	Method of payment
VI001740	1/9/2002	10902	$3,420.24	1/9/2002	34428	CHK
VI002221	2/11/2002	21102	$1,819.56	2/11/2002	34735	CHK
VI002588	3/11/2002	31102	$2,674.45	3/11/2002	35086	CHK
VI003049	4/11/2002	41102	$3,051.11	4/19/2002	35354	CHK
VI003400	5/9/2002	50902	$1,693.19	5/9/2002	35653	CHK
VI003850	6/12/2002	61202	$539.81	6/12/2002	35921	CHK
VI004220	7/10/2002	71002	$1,331.04	7/10/2002	36076	CHK
VI004665	8/8/2002	80802	$563.92	8/8/2002	36352	CHK
VI005099	9/9/2002	90902	$939.98	9/9/2002	36578	CHK
VI005499	10/8/2002	100802	$1,008.90	10/8/2002	36780	CHK
VI005901	11/7/2002	110702	$2,676.33	11/7/2002	37036	CHK
VI006181	12/10/2002	121002	$3,496.75	12/10/2002	37203	CHK
VI006558	1/9/2003	10903	$4,734.95	1/9/2003	37452	CHK
VI006912	2/11/2003	21103	$8,166.29	2/11/2003	37636	CHK
VI007168	3/11/2003	31103	$7,641.45	3/11/2003	37862	CHK
VI007413	4/10/2003	41003	$8,682.67	4/10/2003	38105	CHK
VI007667	5/9/2003	50903	$3,234.01	5/9/2003	38332	CHK
VI007905	6/11/2003	61103	$2,684.71	6/11/2003	38570	CHK
VI008125	7/10/2003	32	$1,344.56	7/10/2003	38770	CHK
VI008428	8/11/2003	81103	$1,700.32	8/11/2003	38984	CHK
VI008733	9/9/2003	90903	$1,435.59	9/9/2003	39190	CHK
VI009077	10/9/2003	100903	$1,009.64	10/9/2003	39498	CHK
VI009445	11/7/2003	110703	$2,510.31	11/7/2003	39721	CHK
VI009903	12/10/2003	121003	$10,546.51	12/10/2003	39982	CHK
VI010231	1/9/2004	10904	$9,066.24	1/9/2004	40188	CHK
VI010611	2/13/2004	21104	$17,367.75	2/13/2004	40394	CHK
VI010924	3/10/2004	31004	$8,105.96	3/10/2004	40631	CHK
VI011229	4/12/2004	41204	$11,083.92	4/12/2004	40819	CHK
VI011584	5/10/2004	51004	$4,122.93	5/10/2004	41019	CHK
VI011957	6/11/2004	61104	$8,282.23	6/11/2004	41250	CHK
VI012274	7/9/2004	70904	$1,711.62	7/9/2004	41438	CHK
VI012731	8/11/2004	81104	$10,519.99	8/11/2004	41700	CHK
VI013078	9/8/2004	90804	$2,080.83	9/8/2004	41908	CHK
VI013494	10/8/2004	100804	$8,849.15	10/8/2004	42112	CHK
VI013839	11/8/2004	110804	$4,701.70	11/8/2004	42330	CHK
VI014244	12/9/2004	120904	$11,440.70	12/9/2004	42575	CHK

500,856	Jan-2001	11.13	307,299	0.613548
400,054	Feb-2001	10.76	169,104	0.422703
506,322	Mar-2001	9.02	296,502	0.5856
438,780	Apr-2001	8.53	357,692	0.815196
600,566	May-2001	8.78	192,846	0.321107
425,326	Jun-2001	9.04	59,713	0.140395
490,796	Jul-2001	7.41	179,628	0.365992
569,986	Aug-2001	7.54	74,790	0.131215
334,589	Sep-2001	6.3	149,203	0.44593
314,275	Oct-2001	4.8	210,188	0.668801
279,970	Nov-2001	5.49	487,492	1.741229
478,546	Dec-2001	5.15	678,981	1.418841
549,190	Jan-2002	6.21	762,472	1.388357
551,534	Feb-2002	6.16	1,325,696	2.403653
636,383	Mar-2002	6.4	1,193,977	1.876192
548,821	Apr-2002	6.76	1,284,419	2.340323
457,928	May-2002	8.87	364,601	0.796197
401,362	Jun-2002	10.74	249,973	0.622812
423,349	Jul-2002	10.38	129,534	0.305974
616,558	Aug-2002	9.9	171,749	0.278562
538,688	Sep-2002	9.33	153,868	0.285635
470,097	Oct-2002	8.31	121,497	0.258451
432,764	Nov-2002	8.35	300,636	0.694688
398,009	Dec-2002	8.14	1,295,640	3.255303
349,422	Jan-2003	7	1,295,177	3.706627
412,265	Feb-2003	7.21	2,408,842	5.842945
500,860	Mar-2003	9.5	853,259	1.703588
474,162	Apr-2003	9.2	1,204,774	2.540849
597,427	May-2003	9.77	421,999	0.706361
768,522	Jun-2003	11.05	749,523	0.975279
538,630	Jul-2003	10.85	157,753	0.292878
696,579	Aug-2003	10.12	1,039,525	1.492329
506,242	Sep-2003	9.12	228,161	0.450696
505,341	Oct-2003	8.38	1,055,984	2.089647
422,564	Nov-2003	8.24	570,595	1.350315
425,178	Dec-2003	7.84	1,459,273	3.432146


Avg Monthly Gas cost June-August
$9,000.00
$8,000.00
$7,000.00
$6,000.00
$5,000.00
$4,000.00
$3,000.00
$2,000.00
$1,000.00
$0.00
1
June-August 2007
June-August 2008
June-August 2009
June-August 2010
June-August 2011
June-August 2012

PRESS (POUNDS)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Jan	297,224	224,200	500,856	549,190	349,422	549,279	553,897	370,108	510,751	397,307	384,396	505,690	496,235	678,855
Feb	272,002	279,999	400,054	551,534	412,265	488,494	606,947	425,217	459,139	326,538	554,902	414,591	585,500	559,742
Mar	329,448	371,488	506,322	636,383	500,860	568,196	537,403	519,188	456,740	446,336	582,843	550,547	552,376	606,365
Apr	393,663	463,077	438,780	548,821	474,162	529,346	518,662	530,075	357,761	441,015	553,706	540,944	482,435	612,632
May	341,927	454,040	600,566	457,928	597,427	551,910	588,126	496,535	474,182	402,502	488,240	431,528	681,897	
Jun	302,430	470,136	425,326	401,362	768,522	427,857	670,120	488,927	423,817	428,355	472,673	486,192	521,167	
Jul	323,143	464,074	490,796	423,349	538,630	486,827	631,857	601,209	548,368	495,112	443,285	393,394	501,902	
Aug	284,432	397,472	569,986	616,558	696,579	604,748	543,745	569,468	464,157	518,361	435,194	565,330	824,844	
Sep	378,747	329,620	334,589	538,688	506,242	533,685	461,334	525,014	377,597	509,873	418,616	555,904	538,021	
Oct	411,493	388,883	314,275	470,097	505,341	492,621	465,975	486,707	488,196	441,433	399,187	587,185	728,890	
Nov	293,974	296,024	279,970	432,764	422,564	455,855	442,361	399,195	412,185	315,186	401,405	512,175	479,181	
Dec	219,297	361,312	478,546	398,009	425,178	399,662	320,656	442,342	421,632	337,183	380,606	353,412	460,721	
Average	**320,648**	**375,027**	**445,006**	**502,057**	**516,433**	**507,373**	**528,424**	**487,832**	**449,544**	**421,600**	**459,588**	**491,408**	**571,097**	**614,399**
Total	**3,847,780**	**4,500,325**	**5,340,066**	**6,024,683**	**6,197,192**	**6,088,480**	**6,341,083**	**5,853,985**	**5,394,525**	**5,059,201**	**5,515,053**	**5,896,892**	**6,853,169**	**2,457,594**
							530190 hard copy reads^							
year over year	100%	17%	19%	13%	3%	-2%	4%	-8%	-8%	-6%	9%	7%	16%	8%
benchmark from 20(	0%	17%	39%	57%	61%	58%	65%	52%	40%	31%	43%	53%	78%	92%

PRESS (FOOTAGE)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Jan						26,317,187	29,780,699	22,549,047	26,438,659	23,880,110	20,708,469	25,622,370	23,576,519	31,873,523
Feb						24,625,151	30,277,345	19,927,993	25,094,658	18,734,294	26,282,854	20,192,169	29,428,481	28,764,458
Mar						27,239,048	28,253,827	23,921,469	26,583,221	23,596,699	31,684,534	27,242,677	28,503,114	29,762,575
Apr						28,298,999	22,541,997	24,535,754	20,103,589	22,288,474	26,023,762	21,913,287	25,006,707	31,521,659
May						27,453,048	26,471,453	21,541,328	23,150,832	19,164,744	24,258,800	22,087,522	29,536,259	
Jun						22,123,547	31,597,051	24,538,907	23,049,409	23,747,961	24,101,096	25,079,145	24,489,052	
Jul						22,541,857	29,306,108	29,126,678	26,480,698	25,238,706	24,020,908	19,679,108	26,174,673	
Aug						27,290,705	26,238,646	29,452,735	25,915,212	28,123,277	20,809,908	28,714,287	40,486,323	
Sep						25,998,998	21,961,048	27,940,645	20,104,138	26,860,373	22,511,995	26,335,238	23,737,066	
Oct						25,603,226	21,947,764	28,177,079	23,454,857	23,616,571	20,711,964	30,002,239	31,806,637	
Nov						19,685,053	19,650,805	21,402,381	18,452,333	15,001,451	21,397,595	25,364,350	23,715,362	
Dec						20,007,530	15,763,487	18,748,880	21,478,396	19,455,448	18,175,797	17,678,402	24,625,501	
Ave						**24,765,362**	**25,315,853**	**24,321,908**	**23,358,834**	**22,475,676**	**23,390,640**	**24,159,233**	**27,590,473**	**30,480,554**
Total						**297,184,347**	**303,790,230**	**291,862,896**	**280,306,002**	**269,708,108**	**280,687,682**	**289,910,794**	**331,085,674**	**121,922,215**
year over year						0	2.22%	-3.93%	-3.96%	-3.78%	4.07%	3.29%	14.20%	10.47%
benchmark from 2000 moving forward						0	2.22%	-1.79%	-5.68%	-9.25%	-5.55%	-2.45%	11.41%	23.08%

Started collecting reliable footage data in 2005
***Tim Piper**

Electronic Filing - Recived, Clerk's Office : 05/13/2013