PUBLIC UTILITIES COMMISSION OF OHIO
DIVISION OF FORECASTING AND SITING

In the Matter of the Long-Term Forecast Report of Natural Gas Demand of Suburban Natural Gas Company	))))	Case No. 14-1700-GA-FOR

2014

LONG-TERM FORECAST REPORT OF NATURAL GAS DEMAND OF SUBURBAN NATURAL GAS COMPANY

David L. Pemberton, Jr., President
Suburban Natural Gas Company
2626 Lewis Center Road
Lewis Center, OH 43035-9206
(740) 548-2450

Dated: June 3, 2014

SUBURBAN NATURAL GAS COMPANY

2014

LONG-TERM FORECAST REPORT
FOR GAS DEMAND, GAS SUPPLY, AND FACILITY PROJECTIONS

OF

SUBURBAN NATURAL GAS COMPANY
2626 LEWIS CENTER ROAD
LEWIS CENTER, OH 43035-9206

TO THE

PUBLIC UTILITIES COMMISSION OF OHIO
DIVISION OF FORECASTING AND SITING

PREFACE

Suburban Natural Gas Company has prepared this Long-Term Forecast Report as required by Section 4935.04 of the Ohio Revised Code. The organization of this report is based upon the Division's Rules and Regulations contained in Chapter 4901 of the Ohio Administrative Code.

CONTENT STATEMENT

Pursuant to Ohio Administrative Code Section 4901:5-1-03(d), I hereby certify that I am responsible for the filing of this Long-Term Forecast Report and that the information contained herein is true and correct to the best of my knowledge and belief.

David L. Pemberton, Jr., President
Suburban Natural Gas Company

CERTIFICATE OF SERVICE

I hereby certify that the requirements of Ohio Administrative Code Section 4901:5-1-03 will be met, and copies of the foregoing Long-Term Forecast Report of Natural Gas Demand of Suburban Natural Gas Company have been sent to the Office of the Ohio Consumers' Counsel, 10 West Broad Street, Suite 1800, Columbus, Ohio 43215-3485, and filed with the county libraries listed on the attached list by regular U.S. mail, postage prepaid, this 3rd day of June 2014.

David L. Pemberton, Jr., President
Suburban Natural Gas Company

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Suburban Natural Gas

Suburban currently has over four hundred and forty-eight miles of natural gas distribution facilities located in Wood, Henry, Delaware and Marion Counties.

Our offices are located in Cygnet and Lewis Center, Ohio.

Suburban currently provides natural gas service to 15,532 residential, commercial and industrial customers in Ohio.

In Northwest Ohio, Suburban has entered into service agreements with 8 municipalities in the areas surrounding Bowling Green and Findlay, providing natural gas to over 3,711 residential customers.

In Central Ohio, Suburban services the west side of the Polaris Centers of Commerce including the JPMorgan Chase Corporate Center, The Polaris Fashion Mall and the Polaris Towne Center Strip Mall. In addition, Suburban provides residential service to over 10,914 customers in Delaware and Marion Counties.

A breakdown of our customer base by major classification is:

In Northwest Ohio:

Residential	3,711
Commercial	272
Industrial	7

In Central Ohio:

Residential	10,914
Commercial	628
Industrial	0

Based on the last five years of actual billed usage, residential customers use approximately 827 ccf per year. Commercial customers use approximately 5,598 ccf per year. While industrial customers have used about 28,000 ccf per year.

Over the last five years the weather has been slightly warmer than normal.

Projected Population Growth by County

The customer base of Suburban Natural Gas is primarily located in four counties. The counties are Delaware, Marion, Henry and Wood.

Projected Population: County Totals
Source: Ohio Department Services Agency

	2010	2015	2020	2025	2030
Delaware	174,214	192,990	210,630	227,930	246,000
Henry	28,215	27,690	27,230	26,760	26,360
Marion	66,501	66,860	67,130	67,250	67,170
Wood	125,488	125,220	126,540	127,530	127,600

Delaware County has been the fastest growing county in Ohio for the past decade. This county represents the highest area of growth for Suburban Natural Gas. Since 2000, our customer base in Delaware County has grown to 11,219 customers.

The Ohio Development Service Agency projects that the population of Delaware County will increase another 25 percent by 2025. This growth will increase our Central Ohio customer base into the 20,000 plus range.

In Northwest Ohio, the population growth of Henry and Wood County combined is expected to be flat over the next ten years. It is anticipated that our customer growth would be about the same over that time period.

DEVELOPMENT SERVICES AGENCY
POPULATION PROJECTIONS: County Total by sex

County Name	2010 Census	2015 Projection	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
Ohio	11,536,504	11,549,120	11,574,870	11,598,670	11,615,100	11,635,110	11,679,010
Adams	28,550	28,410	28,380	28,210	28,100	27,780	27,520
Allen	106,331	104,790	103,560	102,420	101,450	100,650	100,650
Ashland	53,139	53,620	53,980	54,870	55,790	57,010	57,920
Ashtabula	101,497	101,430	101,230	100,880	100,130	99,290	98,610
Athens	64,757	64,180	64,700	64,500	63,960	63,100	61,960
Auglaize	45,949	45,780	45,590	45,150	44,690	44,270	44,430
Belmont	70,400	69,760	68,880	68,270	67,330	66,530	66,140
Brown	44,846	45,480	45,850	45,930	45,630	44,970	44,090
Butler	368,130	378,370	390,110	399,880	410,960	419,900	430,360
Carroll	28,836	28,810	28,770	28,750	28,720	28,790	29,040
Champaign	40,097	39,880	39,690	39,250	38,690	38,000	37,400
Clark	138,333	136,490	133,240	131,390	129,900	128,840	128,580
Clermont	197,363	203,650	208,330	212,110	214,090	215,560	216,190
Clinton	42,040	42,160	42,100	42,060	41,590	41,150	40,380
Columbiana	107,841	106,660	105,380	104,370	103,870	103,890	104,710
Coshocton	36,901	36,650	36,190	35,660	34,790	34,070	33,390
Crawford	43,784	42,300	40,890	39,500	38,150	36,840	35,530
Cuyahoga	1,280,122	1,242,380	1,209,550	1,179,030	1,154,210	1,131,380	1,113,950
Darke	52,959	52,190	51,270	49,670	48,280	46,990	46,280
Defiance	39,037	38,590	38,090	37,200	36,490	36,060	35,890
Delaware	174,214	192,990	210,630	227,930	246,000	264,100	282,160
Erie	77,079	75,070	72,900	70,350	67,740	64,910	62,300
Fairfield	146,156	156,220	165,850	176,850	187,620	199,450	210,910
Fayette	29,030	28,880	28,860	28,780	28,750	28,740	28,880
Franklin	1,163,414	1,198,370	1,237,960	1,272,320	1,302,110	1,332,360	1,366,200
Fulton	42,698	42,350	42,200	41,500	40,740	40,290	40,310
Gallia	30,934	30,860	30,600	30,520	30,250	30,210	30,280
Geauga	93,389	93,650	93,510	94,270	94,930	95,400	94,710
Greene	161,573	163,500	164,940	165,950	165,780	164,630	163,300
Guernsey	40,087	39,480	38,750	38,000	37,310	36,680	36,390
Hamilton	802,374	793,980	790,600	788,420	785,900	784,560	786,090
Hancock	74,782	75,130	75,330	75,620	75,140	74,670	73,500
Hardin	32,058	31,850	31,740	31,490	31,360	31,140	31,110
Harrison	15,864	15,660	15,300	15,210	15,100	15,050	15,100
Henry	28,215	27,690	27,230	26,760	26,360	26,010	25,810
Highland	43,589	44,040	44,320	44,700	44,720	44,480	44,030
Hocking	29,380	29,540	29,480	29,150	28,620	28,220	27,870
Holmes	42,366	43,610	44,620	45,230	45,700	45,620	45,280
Huron	59,626	59,360	58,740	57,860	56,950	56,090	55,500
Jackson	33,225	33,380	33,630	33,820	34,010	34,050	34,200
Jefferson	69,709	67,780	66,540	65,580	65,330	65,820	67,410
Knox	60,921	63,030	64,960	67,420	69,810	72,350	74,850
Lake	230,041	229,530	228,600	228,320	228,380	228,550	228,060
Lawrence	62,450	62,330	62,390	62,230	62,390	62,280	62,680
Licking	166,492	173,620	180,860	188,810	196,570	204,220	212,370
Logan	45,858	45,810	45,600	45,210	44,590	43,930	43,590
Lorain	301,356	306,400	310,230	315,760	320,430	325,550	328,190
Lucas	441,815	435,300	430,450	425,620	420,080	414,630	410,570
Madison	43,435	44,510	45,670	46,510	47,420	48,000	48,700
Mahoning	238,823	231,210	224,680	218,320	212,240	206,740	202,630
Marion	66,501	66,860	67,130	67,250	67,170	67,190	67,500

DEVELOPMENT SERVICES AGENCY
POPULATION PROJECTIONS: County Total by sex

County Name	2010 Census	2015 Projection	2020 Projection	2025 Projection	2030 Projection	2035 Projection	2040 Projection
Medina	172,332	179,200	184,670	190,430	194,510	198,220	199,890
Meigs	23,770	23,610	23,630	23,300	23,170	22,670	22,340
Mercer	40,814	40,960	41,040	41,240	41,230	41,130	40,860
Miami	102,506	102,700	102,590	103,160	103,500	103,930	103,990
Monroe	14,642	14,420	14,160	13,900	13,590	13,290	13,120
Montgomery	535,153	524,370	513,830	504,770	496,650	491,060	488,390
Morgan	15,054	14,880	14,770	14,600	14,360	14,100	13,820
Morrow	34,827	36,180	37,380	38,490	39,400	40,290	41,170
Muskingum	86,074	85,790	85,420	84,870	83,900	82,810	81,900
Noble	14,645	14,762	14,898	15,076	15,283	15,478	15,703
Ottawa	41,428	40,860	40,100	39,420	38,720	37,780	36,880
Paulding	19,614	19,270	19,050	18,570	18,220	17,950	18,100
Perry	36,058	36,850	37,610	38,710	39,690	40,770	41,710
Pickaway	55,698	56,690	58,010	59,120	60,560	61,740	63,100
Pike	28,709	28,610	29,000	29,010	29,420	29,420	29,970
Portage	161,419	161,500	161,410	160,780	158,930	155,740	151,720
Preble	42,270	42,260	42,060	41,860	41,460	40,930	40,260
Putnam	34,499	34,550	34,430	34,180	33,860	33,700	33,860
Richland	124,475	122,180	120,200	118,190	116,640	115,410	115,160
Ross	78,064	78,990	79,850	80,740	81,510	82,200	82,820
Sandusky	60,944	59,960	58,670	57,040	55,440	53,910	52,640
Scioto	79,499	78,530	77,430	76,260	75,520	76,020	77,660
Seneca	56,745	56,030	55,050	54,030	53,040	52,190	51,560
Shelby	49,423	49,450	49,290	48,780	48,240	47,570	47,160
Stark	375,586	371,650	368,210	364,650	361,130	357,820	355,500
Summit	541,781	537,220	534,150	532,080	528,990	525,600	523,190
Trumbull	210,312	205,150	200,840	197,080	193,360	189,810	187,250
Tuscarawas	92,582	92,520	92,310	92,060	91,890	92,190	92,840
Union	52,300	55,990	59,760	63,900	68,230	72,810	77,360
Van Wert	28,744	28,180	27,620	26,810	26,190	25,830	25,900
Vinton	13,435	13,570	13,620	13,860	13,920	14,120	14,160
Warren	212,693	220,430	225,770	231,230	235,640	239,040	239,060
Washington	61,778	60,410	59,000	57,620	56,220	54,930	53,720
Wayne	114,520	114,530	114,390	113,920	113,400	113,000	113,240
Williams	37,642	36,890	36,070	35,040	34,150	33,460	33,280
Wood	125,488	125,220	126,540	127,530	127,600	126,400	124,810
Wyandot	22,615	22,330	21,960	21,530	21,000	20,490	20,080

PREPARED BY: Dr. Jian He, State Demographer
Research Office
Ohio Department Services Agency
77 South High Street
P.O. Box 1001, Columbus, Ohio 43215
Telephone (614) 466-2115
Jian.He@development.ohio.gov
Date: 3/30/2013

Gas Management

Suburban Natural Gas started working with Atmos Energy Marketing in April of 2007 as our Asset manager. We collectively created a plan to manage firm requirements for our customers while maximizing the value of our assets. We work together to forecast firm demand requirements by looking at the 30 year historical weather normal to determine a heating degree day forecast and hence volumes that we expect our customer base to use. Since our customer base is highly heat sensitive (mostly residential), this is an effective way to forecast our firm demand requirements

We have worked closely with Atmos to develop a gas supply plan that takes into consideration our transportation and storage assts. Simply put, in the summer time our monthly nominations for delivery include both flowing gas to the city gates using our transportation contracts with a focus on also filling our storage account. In the winter time our monthly nominations for delivery include both flowing gas to the city gate using transportation contracts augmented by projected storage withdrawals. Based on monthly usage, and in attempt to follow our winter storage withdrawal plan, we will augment our first of the month nomination with intra-month purchases.

Suburban has released its Columbia Gas Transmission, Columbia Gulf Transmission and North Coast Pipeline capacity to our asset manager. In return, our asset manager works to maximize the value of our interstate pipeline capacity and in return for managing those assets provides us with a discount to index and an asset management payment for capacity on our transportation contracts. Our asset manager uses our pipeline capacity to serve our customer needs off either Columbia Gas or North Coast.

Suburban will comply with paragraph 7d of the Joint Stipulation and Recommendation adopted and approved by the Commission in its Opinion and Order in Case Nos. 12-216-GA-GCR and 12-316-GA-UEX.

SUBURBAN NATURAL GAS RISK MANAGEMENT PLAN FOR APRIL 2014 – MARCH 2015

PLAN OVERVIEW

SUMMER

- BASELOAD FIRST OF THE MONTH GAS IN THE SUMMER MONTHS AND PLAN FOR STORAGE INJECTIONS – NOMINATE TO CITY GATE AND SWING ON STORAGE
- SUMMER BILLABLE PLAN – 1/7 RATABLE INJECTIONS IN THE SUMMER MONTHS AND CARRY COST UNTIL SUBURBAN WITHDRAWS IN THE WINTER MONTHS
- BUY INCREMENTAL GAS IN THE DAILY SPOT MARKET IN NEEDED

WINTER

- BASELOAD FIRST OF THE MONTH GAS IN THE WINTER MONTHS AND PLAN FOR STORAGE WITHDRAWALS – NOMINATE TO THE CITYGATE AND SWING ON STORAGE
- FOLLOW WINTER WITHDRAWAL PLAN AND ADJUST BASED ON USAGE FOR EACH PRIOR MONTH
- BUY INCREMENTAL GAS IN THE DAILY SPOT MARKET IF NEEDED

HEDGING OVERVIEW

- DUE TO CHANGES IN THE OHIO GAS MARKET, SUBURBAN PLANS TO DO ZERO HEDGING FOR APRIL 2014 – MARCH 2015.
- SUBURBAN WILL CONTINUE TO CLOSELY ALIGN HEDGING PROGRAM WITH COLUMBIA OF OHIO'S AS THEY CHANGED THEIR HEDGING PHILOSOPHY DUE TO OFFERING CHOICE PROGRAM
- DUE TO CURRENT MARKET CONDITIONS, SUBURBAN'S EXPECTATION IS TO SEE DEPRESSED PRICING IN THE MARKET GOING FORWARD, AND
- SUBURBAN WILL CONTINUE TO PURCHASE GAS FOR STORAGE INJECTION AT A SUMMER SUPPLY PRICE

SUMMER

- HEDGE BETWEEN 0% -15% AS OPPORTUNITY PRESENTS ITSELF OTHERWISE,
- BUY BALANCE AT FOM INDEX OR INTRAMONTH GAS DAILY

WINTER

- INJECT RATABLE APRIL TO OCTOBER INTO STORAGE AT SUMMER PRICING
  ROUGHLY 30% OF WINTER PROJECTED USAGE
- AUGMENT STORAGE PRICING WITH FORWARD HEDGES IF THE OPPORTUNITY PRESENTS ITSELF
  ROUGHLY 0% - 15% OF WINTER PROJECTED USAGE MAX
- BUY BALANCE AT FOM INDEX OR INTRAMONTH GAS DAILY

LEASED PIPELINE CONTRACTS

Gulf

Contract #	Rate Schedule	MDQ Daily	MDQ Seasonal Summer	MDQ Seasonal Winter	SCQ Annual	Expiration Date	Market Area
78852	FTS-1	3,183				10/31/2024	
75379	FTS-1	1,837				3/31/2023	
71202	FTS-1	625				10/31/2014	
38410	FTS-1	4,056				10/31/2014	

LEASED PIPELINE CONTRACTS

North Coast

Date	Rate Schedule	MDQ Daily	MDQ Seasonal Summer	MDQ Seasonal Winter	SCQ Annual	Expiration Date	Market Area
Nov. 1, 2011		6,000				10/31/2018	67-3

LEASED PIPELINE CONTRACTS

Columbia Gas Transmission

Contract #	Rate Schedule	MDQ Daily	MDQ Seasonal Summer	MDQ Seasonal Winter	SCQ Annual	Expiration Date	Market Area
79265	FTS	3,500				12/31/2024	67-3
78185	FTS	3,100				3/31/2024	67-3
75378	FTS	1,790				10/31/2023	67-3
73315	FTS	110				10/31/2014	67-3
73188	FTS	500				10/31/2014	67-3
							67-1
38101	FTS	5,134				10/31/2014	67-3
81679	SST		1,900	3,800		4/1/2025	67-3
81292	SST		558	1,116		3/31/2025	67-1
80842	SST		967	1,935		3/31/2025	67-1
81680	FSS			3,800	216,600	4/1/2025	
81293	FSS			1,116	63,612	3/31/2025	
80843	FSS			1,935	102,157	3/31/2025	

NATURAL GAS CONTRACTS

Columbia Gas of Ohio - Lazelle

Contract #	Rate Schedule	MDQ Daily	MDQ Seasonal Summer	MDQ Seasonal Winter	SCQ Annual	Expiration Date	Market Area
Agreement for the Purchase & Sale of Natural Gas		3,000			18,000	As long as Suburban meets its obligation to COH	67-3

NATURAL GAS CONTRACTS

Columbia Gas of Ohio - Big Walnut

Date	Rate Schedule	MDQ Daily	MDQ Seasonal Summer	MDQ Seasonal Winter	SCQ Annual	Expiration Date	Market Area
Line Extension & Revenue Guarantee Agreement for Sale of Natural Gas							
2013	LGS (Large Gas Service)	4,800				3/31/2018	67-3

BASED CONTRACT FOR SALE & PURCHASE OF NATURAL GAS

Agency	Start Date	Expiration Date
Atmos Energy	04/01/12	03/31/16

2013 PEAK DAY

		Dth
System	1/21/2013	15,809
Northern	1/17/2013	2,927
Southern	1/21/2013	12,885

4901:5-7-01 Definitions.

(A) Unless otherwise specified, all terms used in Chapter 4901:5-7 of the Administrative Code are the same as those found in the fourth edition "Glossary For The Gas Industry" published by the planning and analysis group of the "American Gas Association."

(B) "Energy-price relationships" means the calculated or observed effects on gas demand resulting from changes in the customer price of gas or other fuels. It consists of both energy conservation effects which reduce customer energy use directly and effects which cause customers to switch to or from utility-provided gas.

(C) "Forecast year," "year of the forecast," or "year zero" means the year in which the forecast is filed.

(D) "Energy conservation" means the effect upon gas demand resulting from customer adoption and use of measures, standards, equipment, or techniques designed, at least in part, to decrease gas consumption or to increase efficiency of gas use. Energy conservation may include the result of increases in price, but does not include price-induced fuel switching.

(E) "Self-help gas and other transported gas" means natural or synthetic gas owned by or acquired on behalf of an end-user or owned by another person which was developed independently or acquired from a third party, but which requires the use of one or more company or utility to transport the gas to the end-user.

(F) "Forecast period" means year zero through year ten.

(G) "Reporting period" means year minus five through year ten.

(H) "Service area" means the geographic area within Ohio in which the company renders service to wholesale and retail consumers of gas.

(I) "Fuel switching" means the substitution of one energy source for another in a particular end use or process, as a result of changing relative prices or technologies.

4901:5-7-03 Gas and natural gas demand forecasts for gas distribution companies serving more than fifteen thousand customers.

(A) General guidelines. The following guidelines shall be used in the preparation of the demand forecast:

(1) The demand forecast must be based upon independent analysis by the reporting utility.

(2) The demand forecast may be based on those forecasting methods which yield the most useful results to the utility.

(3) Where the required data have not been calculated directly, relevant conversion factors shall be displayed.

(4) All gas volumes shall be reported at 14.73 psia.

Suburban Natural Gas independently prepares its gas demand forecast using actual usage data that has been adjusted to normal weather conditions.

Estimated data includes 2014 to the year 2024. The data contains projected normal monthly and peak day requirements for all classes of customers in the customer's service area.

(B) Special subject areas.

(1) The following matters shall specifically be addressed:

(a) A description of the extent to which the reporting utility coordinates its load forecasts with those of other systems such as affiliated systems in a holding company group, or other neighboring systems and, if the reporting utility is a combination utility, a description of the coordination of its gas load forecast with its electric load forecast.

Suburban Natural Gas does not coordinate its load requirements with any other systems.

(b) A description of the manner in which such forecasts are coordinated, and any problems experienced in efforts to coordinate load forecasts.

See above.

(c) A brief description of any computer modeling, demand forecasting, polls, surveys, or data-gathering activities used in preparation of the forecast.

Suburban Natural Gas uses degree day modeling and historical data to prepare load forecasts.

(2) No later than six months prior to the required date of submission of the forecast, the commission shall supply reporting utilities:

(a) Copies of appropriate commission or other state documents or public statements that include the state energy policy for consideration in preparation of the forecast.

(b) Such current energy policy changes or deliberations which, due to their immediate significance, the commission determines to be relevant for specific identification in the forecast (including but not limited to new legislation, regulations, or adjudicatory findings). It is the commission's intent that such additional factors be limited to issues of current policy which may influence the forecast, but which otherwise may not have been specifically identified by the reporting utility. The reporting utility shall, to the extent possible, provide either a discussion of the impacts of such factors on the forecast or demonstrate how it has taken these factors into account in its forecast. The reporting utility need not adopt such factors as a part of its forecast.

(3) Energy efficiency, demand reduction, and demand response programs and policies of the reporting utility, which support energy conservation and load modification, shall be described along with an estimate of their impacts on energy and peak demand and supply resources.

(4) Energy-price relationships:

(a) To the extent possible, identify changes during the forecast period in energy demand and identify and describe how such changes are accounted for in the forecast.

No changes identified.

(b) Describe the methodologies for determining such energy-price relationships, including justification for the methodologies employed.

No methodologies implemented.

(C) Forecast documentation. The purpose of the documentation section of the report is to permit a thorough review of the forecast methodology and test its validity. The components of the forecast documentation shall include:

(1) A description of the forecast methodology employed, including:

(a) Overall methodological framework chosen.

Suburban Natural Gas uses a usage model based on heating degree days, historical usage, and informed judgement.

(b) Specific analytical techniques used, their purpose, and the forecast component to which they are applied.

The usage model predicts annual usage for each class of customer. The model is used to primarily determine the load requirements for heating related purposes.

(c) The manner in which specific techniques are related in producing the forecast.

Customer usage is forecast based on non-heating and heating load.

(d) Where statistical techniques have been used.

(i) All relevant equations.

(ii) The results of appropriate statistical tests.

(iii) A description of the technique.

(iv) The reason for choosing the technique.

(v) Identification of significant computer software used.

Suburban Natural Gas uses heating degree day information and historical usage to determine the load requirements on an annual basis and a monthly basis. The calculation is made for residential, commercial and industrial accounts.

(e) An explanation of how interruptibles, curtailables, and other non-firm requirements are forecast, how they are treated in the total forecast and an identification of demand volumes subject to interruption or curtailment and other non-firm demand.

No interruptibles forecast.

(f) An identification of customer usage factors and a description of how they are used within the forecast.

Customer usage is based on historical data and heating degree days.

(g) Where the methodology for any major customer class has changed significantly from the previous year, a discussion of the rationale for the change.

No significant change.

(2) Assumptions and special information. The reporting utility shall:

(a) For each significant assumption made in preparing the forecasts include a discussion of the basis for the assumption and the impact it has on the forecast results. Give sources of the assumption if other than the reporting utility.

No significant assumptions were made in preparing this forecast.

(b) Identify special information bearing on the forecast (e.g., the existence of a major planned industrial expansion program in the area of service).

(3) Data base documentation. The responsibilities of the reporting utility with regard to its forecast data base are as follows:

(a) The reporting utility shall provide:

(i) A brief description of all data sets used in making the forecast, both internal and external, input and output, and a citation to the sources.

Actual historical billing data used.

Preliminary Local Climatological Data (WS Form: F-6)

(ii) The reasons for the selection of the specific data base used.

Readily available.

(iii) A clear identification of any adjustments made to raw data in order to adapt them for use in the forecast, including for each adjustment, to the extent practicable:

(a) The nature of the adjustment made.

(b) The basis for the adjustment made.

(c) The magnitude of the adjustment.

No adjustments made.

(b) If a hearing is to be held on the forecast in the current forecast year, the reporting utility shall provide to the commission in electronic formats or other medium as the commission directs all data series, both input and output, raw and adjusted, and model equations used in the preparation of the forecast.

(c) The reporting utility shall be prepared to provide to the commission on request:

(i) Copies of all data sets used in making the forecasts, including both raw and adjusted data, input and output data, and complete descriptions of any mathematical, technical, statistical, or other model used in preparing the data.

(ii) A narrative explaining the data sets, and any adjustments made with the data to adapt it for use in the forecast.

(D) Demand forecast forms. The demand presentation shall include the following elements presented on the indicated forms supplied by the commission.

(1) Service area natural gas demand: actual and forecast Ohio service area natural gas demand (MMCF/year) displayed by major customer class as indicated in form FG1-1.

Completed

(2) Monthly gas sendout: a month-by-month forecast of gas sendout in the service area for the current year and the following two years, as indicated on form FG1-3 (this sendout shall conform to the most likely growth scenario).

Completed

(3) Range of forecasts: a range of forecasts provided on form FG1-4 for natural gas sales volumes by residential, commercial, and industrial sector and total sales volumes. The range of forecasts shall consist of, at a minimum, three scenarios (highest, lowest, and most likely growth). The methodology for the range forecast shall be determined by the reporting utility and may be based on confidence intervals, different assumptions, or whatever techniques the reporting utility finds appropriate.

Completed

(4) Peak and forecast design day requirements: historical peak requirements and forecast design day requirements (MMCF) as indicated on form FG1-5.

Completed

(5) Self-help and other transported gas: historical and forecast self-help gas volumes as transported and anticipated to be transported by the reporting utility as indicated on form FG1-6.

Completed

(6) Gas distribution companies serving more than one hundred thousand customers should also include service area natural gas demand by industrial sectors: actual and forecast natural gas demand in Ohio only (MMCF/year) by industrial sectors displayed for each of the standard industrial classification (SIC) codes indicated on form FG1-2.

Not Applicable

Form FG1-1 HISTORICAL AND FORECAST SERVICE AREA ANNUAL GAS DEMAND (Part 1)
Units: MMCF/YEAR

	YEAR	1 RESIDENTIAL SALES	2 COMMERCIAL SALES	3 INDUSTRIAL SALES	4 SALES TO ELECTRIC UTILITIES	5 SALES TO ULTIMATE CUSTOMERS	6 SALES FOR RESALE TO MUNICIPALS AND SMALL NATURAL GAS CO	7 OTHER SALES FOR RESALE	8 TOTAL SALES
-5	2009	1265	515	31	0	1811	0	0	1811
-4	2010	1237	473	53	0	1763	0	0	1763
-3	2011	1306	505	90	0	1901	0	0	1901
-2	2012	1047	466	11	0	1524	0	0	1524
-1	2013	1248	465	34	0	1747	0	0	1747
0	2014	1316	470	35	0	1821	0	0	1821
1	2015	1385	475	35	0	1895	0	0	1895
2	2016	1470	480	35	0	1985	0	0	1985
3	2017	1555	485	35	0	2075	0	0	2075
4	2018	1641	491	35	0	2167	0	0	2167
5	2019	1690	506	35	0	2231	0	0	2231
6	2020	1741	521	35	0	2297	0	0	2297
7	2021	1793	537	35	0	2365	0	0	2365
8	2022	1847	553	35	0	2435	0	0	2435
9	2023	1902	569	35	0	2507	0	0	2507
10	2024	1959	586	35	0	2581	0	0	2581

BURBAN NATURAL GAS COMPANY

rm FG1-1 HISTORICAL AND FORECAST SERVICE AREA ANNUAL GAS DEMAND (Part 2)
its: MMCF/YEAR

		8	9	10	11	12	13	14	15	16
	YEAR	TOTAL SALES	COMPANY USE	TOTAL CONSUMPTION	NET INJECTIONS TO STORAGE	LOSSES AND UFG	TOTAL DEMAND	SUM OF INTERRUPTBLE	TOTAL INJECTIONS TO STORAGE	TOTAL INJECTIONS TO STORAGE
-5	2009	1811	1	1812	0	26	1838	0	0	0
-4	2010	1763	1	1764	0	18	1782	0	0	0
-3	2011	1901	1	1902	0	0	1902	0	0	0
-2	2012	1524	2	1526	0	0	1526	0	0	0
-1	2013	1747	2	1749	0	0	1749	0	0	0
0	2014	1821	2	1823	0	0	1823	0	0	0
1	2015	1895	2	1897	0	0	1897	0	0	0
2	2016	1985	2	1987	0	0	1987	0	0	0
3	2017	2075	2	2077	0	0	2077	0	0	0
4	2018	2167	2	2169	0	0	2169	0	0	0
5	2019	2231	2	2233	0	0	2233	0	0	0
6	2020	2297	2	2299	0	0	2299	0	0	0
7	2021	2365	2	2367	0	0	2367	0	0	0
8	2022	2435	2	2437	0	0	2437	0	0	0
9	2023	2507	2	2509	0	0	2509	0	0	0
10	2024	2581	2	2583	0	0	2583	0	0	0

SUBURBAN NATURAL GAS COMPANY

Form FG1-3 MONTHLY GAS SENDOUT
Units: MMCF/YEAR

	YEAR 0	YEAR 1	YEAR 2
JANUARY	339	353	369
FEBRUARY	282	293	307
MARCH	225	234	245
APRIL	137	143	150
MAY	58	60	63
JUNE	39	40	42
JULY	39	40	42
AUGUST	39	40	42
SEPTEMBER	41	42	44
OCTOBER	120	125	131
NOVEMBER	207	215	225
DECEMBER	296	308	323
	1821	1895	1985

SUBURBAN NATURAL GAS COMPANY

Form FG1-4 RANGE OF DEMAND FORECAST
Units: MMCF/YEAR

		RESIDENTIAL SALES			COMMERCIAL SALES			INDUSTRIAL SALES			TOTAL SALES		
	YEAR	LOWEST	MOST LIKELY	HIGHEST	LOWEST	MOST LIKELY	HIGHEST	LOWEST	MOST LIKELY	HIGHEST	LOWEST	MOST LIKELY	HIGHEST
0	2014	1184	1316	1448	423	470	517	32	35	39	1639	1821	2003
1	2015	1247	1385	1524	428	475	523	32	35	39	1706	1895	2085
2	2016	1323	1470	1617	432	480	528	32	35	39	1787	1985	2184
3	2017	1400	1555	1711	437	485	534	32	35	39	1868	2075	2283
4	2018	1477	1641	1805	442	491	540	32	35	39	1950	2167	2384
5	2019	1521	1690	1859	455	506	556	32	35	39	2008	2231	2454
6	2020	1567	1741	1915	469	521	573	32	35	39	2067	2297	2527
7	2021	1614	1793	1972	483	537	590	32	35	39	2128	2365	2601
8	2022	1662	1847	2032	497	553	608	32	35	39	2191	2435	2678
9	2023	1712	1902	2093	512	569	626	32	35	39	2256	2507	2757
10	2024	1763	1959	2155	528	586	645	32	35	39	2323	2581	2839

BURBAN NATURAL GAS COMPANY

m FG1-5 HISTORICAL PEAK AND FORECAST DESIGN DAY DAY REQUIREMENTS
its: MMCF/YEAR

		1	2	3	4	5	6	7	8	9	10
	YEAR	RESIDENTAIL SALE	COMMERCIAL SALES	INDUSTRIAL SALES	SALES TO ELECTRIC UTILITIES	SALES TO ULTIMATE CUSTOMERS	SALES FOR RESALE TO MUNICIPALS AND SMALL NATURAL GAS	OTHER SALES FOR RESALE	TOTAL SALES	UNACCT FOR GAS	TOTAL
-5	2009	14.2	5.8	0.3	0.0	20.3	0.0	0.0	20.3	0.0	20.3
-4	2010	11.7	4.5	0.2	0.0	16.4	0.0	0.0	16.4	0.0	16.4
-3	2011	11.8	4.8	0.2	0.0	16.8	0.0	0.0	16.8	0.0	16.8
-2	2012	9.5	4.1	0.1	0.0	16.8	0.0	0.0	16.8	0.0	16.8
-1	2013	10.9	4.7	0.1	0.0	13.7	0.0	0.0	13.7	0.0	13.7
0	2014	19.1	8.3	0.2	0.0	27.7	0.0	0.0	27.7	0.0	27.7
1	2015	20.1	8.8	0.2	0.0	29.2	0.0	0.0	29.2	0.0	29.2
2	2016	21.5	9.3	0.2	0.0	31.1	0.0	0.0	31.1	0.0	31.1
3	2017	22.8	9.9	0.2	0.0	33.0	0.0	0.0	33.0	0.0	33.0
4	2018	24.1	10.5	0.2	0.0	34.9	0.0	0.0	34.9	0.0	34.9
5	2019	24.8	10.8	0.2	0.0	35.9	0.0	0.0	35.9	0.0	35.9
6	2020	25.5	11.1	0.2	0.0	37.0	0.0	0.0	37.0	0.0	37.0
7	2021	26.3	11.4	0.2	0.0	38.1	0.0	0.0	38.1	0.0	38.1
8	2022	27.1	11.8	0.2	0.0	39.3	0.0	0.0	39.3	0.0	39.3
9	2023	27.9	12.1	0.2	0.0	40.5	0.0	0.0	40.5	0.0	40.5
10	2024	28.8	12.5	0.3	0.0	41.7	0.0	0.0	41.7	0.0	41.7

Forecast Design Day Based on 72 Heating Degree Days

SUBURBAN NATURAL GAS COMPANY

Form FG1-6 SUPPLY AND DISPOSITION OF SELF-HELP AND OTHER TRANSPORTED VOLUMES
Units: MMCF/YEAR

	YEAR	1 OHIO PRODUCED GAS TRANSPORTED SOLEY BY RESPONDENT FOR ON-LINE CUSTOMERS	2 OHIO PRODUCED GAS TRANSPORTED FROM OTHER COMPANY TO RESPONDENT FOR ON-SYSTEM CUSTOMERS	3 OTHER VOLUMES BY RESPONDENT FOR O-SYSTEM CUSTOMERS	4 TOTAL VOLUMES BY RESPONDENT FOR ON-SYSTEM CUSTOMERS	5 OHIO PRODUCED GAS TRANSPORTED OFF-SYSTEM BY RESPONDENT	6 OTHER VOLUMES BY RESPONDENT FOR OFF-SYSTEM CUSTOMERS	7 TOTAL VOLUMES BY RESPONDENT FOR OFF-SYSTEM CUSTOMERS	8 TOTAL VOLUMES TRANSPORTED
-5	2009	0	0	72	0	72	0	0	72
-4	2010	0	0	53	0	53	0	0	53
-3	2011	0	0	69	0	69	0	0	69
-2	2012	0	0	67	0	67	0	0	67
-1	2013	0	0	88	0	88	0	0	88
0	2014	0	0	90	0	90	0	0	90
1	2015	0	0	100	0	100	0	0	100
2	2016	0	0	100	0	100	0	0	100
3	2017	0	0	100	0	100	0	0	100
4	2018	0	0	100	0	100	0	0	100
5	2019	0	0	100	0	100	0	0	100
6	2020	0	0	100	0	100	0	0	100
7	2021	0	0	100	0	100	0	0	100
8	2022	0	0	100	0	100	0	0	100
9	2023	0	0	100	0	100	0	0	100
10	2024	0	0	100	0	100	0	0	100

4901:5-7-04 Gas and natural gas supply forecasts for gas distribution companies serving more than fifteen thousand customers.

(A) General guidelines. The supply estimates used in these forecasts must be based upon the reporting utility's independent analysis of alternative sources of gas as well as its current sources. When data is based on material received from current or prospective suppliers, the reporting utility must show that it has made an independent review of such data and arrived at its own analysis of the probable future availability and price of gas from the source in question.

The supply estimates used in this forecast are based upon Suburban Natural Gas Company's independent analysis of alternative sources of gas as well as current sources.

This information shown on the forms may not be consistent with other reports on file with the Public Utilities Commission of Ohio (PUCO). Any differences between data previously filed and that shown should be attributed to the timing of the forecast.

(B) Special subject area. The forecast shall contain a description of the reporting utility's policies and activities involving the procurement of Ohio gas, the impact of such procurement upon the reliability of the reporting utility's gas supply, and the compatibility of such policies and activities with a least-cost procurement plan.

Suburban Natural Gas utilizes Atmos Energy Marketing as our asset manager. Atmos has proven to be a cost effective reliable source.

(C) Gas and natural gas supply forecast discussion. A narrative shall be prepared which includes a general description of the methods and procedures used to develop the reporting utility's forecast of:

(1) Gas supply, by source.

Gas is procured from Atmos Energy

(2) Gas supply prices, by source.

See Suburban Natural Gas Risk Management Plan

(3) Natural gas storage facilities.

Per TCO Contract

(D) Projected sources of gas. A narrative shall be prepared which includes the following:

(1) A description of the projected sources of gas for the forecast period. This description shall include the following:

(a) A list of the projected sources of gas for the forecast period.

Atmos Energy

(b) A description of the role of company-owned gas in the future supply mix.

N/A

(c) A description of the anticipated use of storage facilities in the future supply mix.

Per TCO Contract

(d) The anticipated use of firm and interruptible transportation to obtain gas for system supply and the effect of state and federal policies toward the transportation of natural gas on the reporting utility's supply mix.

Gas Demand will be met through the use of firm transportation, storage and market purchases through Atmos Energy.

(2) A description of those factors which may have an impact on the reporting utility's projected natural gas supplies and its future construction of additional facilities, including but not limited to interconnections with alternate supplies.

Suburban Natural Gas does not anticipate any significant impact on the reliability of its natural gas supply.

(E) Reliability of gas sources. A narrative shall be prepared which includes the following:

(1) The reporting utility's working definition(s) of gas supply reliability.

Supply reliability is access to pipelines, storage, producers, and marketers who can provide long-term firm supply.

(2) A description of the methods used by the reporting utility to quantitatively or qualitatively measure gas supply reliability.

Historical experience.

(3) The reliability of gas sources over the past five years and the anticipated reliability of each of the reporting utility's gas sources over the forecast period.

Suburban Natural Gas has not experienced any difficulties in gas reliability over the past five years.

(F) Analysis of system peak and winter season planning. The reporting utility shall provide an analysis of its ability to meet peak requirements under design weather conditions throughout the forecast period and shall also provide a description of supply projections for meeting winter season requirements.

Suburban Natural Gas contracts from sources that are considered to be the most reliable for base load gas demand. Suburban utilizes its storage contract with TCO to meet seasonal requirements.

(G) Supply forecast forms. The supply presentation shall include the following elements presented on the indicated forms supplied by the commission.

(1) Gas supplies: actual and forecast gas supply volumes (MMCF/year) by source, as indicated in form FG2-1.

Completed

(2) Gas prices: actual and forecast gas supply prices (annual average dollars/MCF) by source, as indicated in form FG2-2.

Completed

(3) Peak and design day supply: historical and forecast peak day supplies (MMCF) by source, as indicated in form FG2-3.

Completed

(4) Natural gas storage facilities: a list of wholly or jointly owned or leased storage facilities, existing and planned over the forecast period, as indicated in form FG2-4.

Completed

(5) Propane facilities: a list of existing facilities and those planned over the forecast period, as indicated in form FG2-5.

Completed

(6) Other peaking facilities: a list of other sources of peaking gas supplies not included in paragraphs (G)(4) and (G)(5) of this rule, as indicated in form FG2-6.

Completed

SUBURBAN NATURAL GAS COMPANY

Form FG2-1 ANNUAL GAS SUPPLY
Units: MMCF/YEAR

	YEAR	1 LONG-TERM INTERSTATE SUPPLY	2 SPOT MARKET INTERSTATE SUPPLY	3 ALL OTHER INTERSTATE SUPPLY	4 OHIO PRODUCTION	5 PROPANE	6 SNG	7 LNG	8 OTHER	9 TOTAL REQUIREMENTS	10 NET WITHDRAWALS FROM STORAGE	11 TOTALS SUPPLIES
-5	2009	0	0	1812	0	0	0	0	0	1812	0	1812
-4	2010	0	0	1764	0	0	0	0	0	1764	0	1764
-3	2011	0	0	1902	0	0	0	0	0	1902	0	1902
-2	2012	0	0	1526	0	0	0	0	0	1526	0	1526
-1	2013	0	0	1749	0	0	0	0	0	1749	0	1749
0	2014	0	0	1823	0	0	0	0	0	1823	0	1823
1	2015	0	0	1897	0	0	0	0	0	1897	0	1897
2	2016	0	0	1987	0	0	0	0	0	1987	0	1987
3	2017	0	0	2077	0	0	0	0	0	2077	0	2077
4	2018	0	0	2169	0	0	0	0	0	2169	0	2169
5	2019	0	0	2233	0	0	0	0	0	2233	0	2233
6	2020	0	0	2299	0	0	0	0	0	2299	0	2299
7	2021	0	0	2367	0	0	0	0	0	2367	0	2367
8	2022	0	0	2437	0	0	0	0	0	2437	0	2437
9	2023	0	0	2509	0	0	0	0	0	2509	0	2509
10	2024	0	0	2583	0	0	0	0	0	2583	0	2583

SUBURBAN NATURAL GAS COMPANY

Form FG2-2 ANNUAL SUPPLY PRICES
Units: $/MCF

	YEAR	1 LONG-TERM INTERSTATE SUPPLY	2 SPOT MARKET INTERSTATE SUPPLY	3 ALL OTHER INTERSTATE SUPPLY	4 OHIO PRODUCTION	5 PROPANE	6 SNG	7 LNG	8 OTHER	9 TOTAL REQUIREMENTS	10 WITHDRAWALS FROM STORAGE	11 TOTALS SUPPLIES WACOG
-5	2009	0	0	5.84	0	0	0	0	0	0	0	5.84
-4	2010	0	0	4.97	0	0	0	0	0	0	0	4.97
-3	2011	0	0	7.13	0	0	0	0	0	0	0	7.13
-2	2012	0	0	7.20	0	0	0	0	0	0	0	7.20
-1	2013	0	0	6.88	0	0	0	0	0	0	0	6.88
0	2014	0	0	7.00	0	0	0	0	0	0	0	7.00
1	2015	0	0	7.17	0	0	0	0	0	0	0	7.17
2	2016	0	0	7.34	0	0	0	0	0	0	0	7.34
3	2017	0	0	7.52	0	0	0	0	0	0	0	7.52
4	2018	0	0	7.70	0	0	0	0	0	0	0	7.70
5	2019	0	0	7.88	0	0	0	0	0	0	0	7.88
6	2020	0	0	8.07	0	0	0	0	0	0	0	8.07
7	2021	0	0	8.26	0	0	0	0	0	0	0	8.26
8	2022	0	0	8.46	0	0	0	0	0	0	0	8.46
9	2023	0	0	8.67	0	0	0	0	0	0	0	8.67
10	2024	0	0	8.87	0	0	0	0	0	0	0	8.87

Source: US Energy Information Administration
Projected Henry Hub spot prices to increase by an average of 2.4% per year

SUBURBAN NATURAL GAS COMPANY

Form FG2-3 HISTORICAL PEAK DAY AND FORECAST DESIGN DAY SUPPLY
Units: MMCF/DAY

	YEAR	1 LONG-TERM INTERSTATE SUPPLY	2 SPOT MARKET INTERSTATE SUPPLY	3 ALL OTHER INTERSTATE SUPPLY	4 OHIO PRODUCTION	5 PROPANE	6 SNG	7 LNG	8 OTHER	9 TOTAL REQUIREMENTS	10 NET WITHDRAWALS FROM STORAGE	11 TOTALS SUPPLIES
-5	2009	0	0	14.6	0	0	0	0	0	14.6	10.3	24.9
-4	2010	0	0	15.9	0	0	0	0	0	15.9	5.8	21.7
-3	2011	0	0	11.5	0	0	0	0	0	11.5	5.2	16.7
-2	2012	0	0	10.8	0	0	0	0	0	10.8	2.7	13.5
-1	2013	0	0	8.5	0	0	0	0	0	8.5	7.1	15.6
0	2014	0	0	17.5	0	0	0	0	0	17.5	10.2	27.7
1	2015	0	0	19.0	0	0	0	0	0	19	10.2	29.2
2	2016	0	0	20.9	0	0	0	0	0	20.9	10.2	31.1
3	2017	0	0	22.8	0	0	0	0	0	22.8	10.2	33.0
4	2018	0	0	24.7	0	0	0	0	0	24.7	10.2	34.9
5	2019	0	0	25.7	0	0	0	0	0	25.7	10.2	35.9
6	2020	0	0	26.8	0	0	0	0	0	26.8	10.2	37.0
7	2021	0	0	27.9	0	0	0	0	0	27.9	10.2	38.1
8	2022	0	0	29.1	0	0	0	0	0	29.1	10.2	39.3
9	2023	0	0	30.3	0	0	0	0	0	30.3	10.2	40.5
10	2024	0	0	31.5	0	0	0	0	0	31.5	10.2	41.7

)IBURBAN NATURAL GAS COMPANY

)RM FG-2-4 EXISTING AND PROPOSED STORAGE FACILITIES

)rage Gas is provided through TCO Contract

RESERVOIR NAME	LOCATION	CUSHION BASE GAS	CAPACITY WORKING GAS	TOTAL	COMPLETION DATE

ased Storage

Contract #	SCQ Annual Dth	Expiration Date
81680	216,600	4/1/2025
81293	63,612	3/31/2025
80843	102,157	3/31/2025

SUBURBAN NATURAL GAS COMPANY

FORM FG-2-5 EXISTING AND PROPOSED PROPANE FACILITIES (GALLONS)

FACILITY NAME	LOCATION	CAPACITY	COMPLETION DATE
NONE			

SUBURBAN NATURAL GAS COMPANY

FORM FG-2-6 OTHER PEAKING FACILITIES

FACILITY NAME	LOCATION	CAPACITY	COMPLETION DATE
NONE			

Heating Degree days

Central Ohio

Month	HDD Normal	%	2013	2012	2011	2010	2009
Jan	1146	22%	1015	964	1248	1201	1305
Feb	930	18%	942	807	900	1065	869
Mar	712	14%	851	368	733	637	584
Apr	382	7%	348	355	300	229	369
May	87	2%	97	31	149	83	106
Jun	0	0%	6	9	1	2	9
Jul	0	0%	0	0	0	0	0
Aug	0	0%	4	0	0	0	11
Sep	20	0%	49	86	71	41	33
Oct	318	6%	300	353	321	279	404
Nov	643	12%	709	680	481	631	507
Dec	983	19%	931	784	802	1172	1010
	5221	100%	**5252**	**4437**	**5006**	**5340**	**5207**
	100%		**101%**	**85%**	**96%**	**102%**	**100%**

Source: National Weather Service
Preliminary Monthly Climate Data (CF6)
http://www.erh.noaa.gov/iln/lcdpage.htm

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Marion, OH 43302

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Napoleon, OH 43545

Wood County

Wood County District Public Library
251 North Main Street
Bowling Green, OH 43402

Lucas County

Lucas County Public Library
325 North Michigan Street
Toledo, OH 43604

Updated 6/7/13

Summary: Report Long-Term Forecast Report of Natural Gas Demand of Suburban Natural Gas Company electronically filed by Brandi L. Kayser on behalf of Suburban Natural Gas Company