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February 26, 2020

VIA ELECTRONIC MAIL:
jharlow@psc.state.fl.us

Ms. Judy G. Harlow, Director
Division of Economics
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket No. 20190210-GU
Approval of Demand Side Management Plan for Peoples Gas System

Dear Ms. Harlow:

Enclosed for filing is Peoples Gas System's Amended Petition for Approval of Demand Side Management Plan.

Your assistance in this matter is greatly appreciated.

Sincerely,



Andrew M. Brown

AB/plb

Enclosure

cc:

Ms. Paula K. Brown (w/o enc.)
Ms. Karen Bramley (w/o enc.)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Approval of Demand Side)
Management Plan for Peoples)
Gas System)

DOCKET NO. 20190210-GU

FILED: February 26, 2021

**PEOPLES GAS SYSTEM AMENDED PETITION
FOR APPROVAL OF DEMAND SIDE MANAGEMENT PLAN**

Peoples Gas System ("Peoples" or "the Company"), hereby amends its petition for approval of its Demand Side Management ("DSM") Plan designed to meet the numeric goals established by the Commission for Peoples Gas System in Order No. PSC-2019-0361-PAA-GU issued on August 26, 2019. In support of this petition the Company states:

1. Notices and communications with respect to this petition in the above docket should be addressed to:

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2. On August 26, 2019 the Commission entered into Order No. 2019-0361-PAA-GU which established numeric conservation goals for Peoples Gas System for the 2019-2028 ten-year period.

3. On November 20, 2019, Peoples Gas System prepared and submitted its proposed DSM Plan and associated DSM Standards that contains the necessary conservation programs designed to achieve the numeric conservation goals established in Order No. 2019-0361-PAA-GU.

4. The purpose of this amendment to the Company's November 20, 2019, petition is to modify certain sections of its DSM Plan and associated DSM Standards and the Commercial Walk-through Audit.

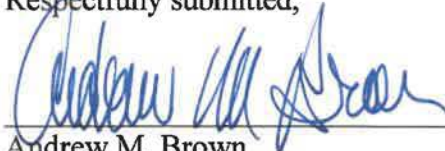
5. Peoples Gas System believes that its proposed programs are consistent with Order No. 2019-0361-PAA-GU and the numeric conservation goals set forth therein.

6. Peoples Gas System is not aware of any disputed issues of material fact relating to the matters addressed herein.

WHEREFORE, Peoples Gas System Requests that the Commission enter its order approving the Company's proposed DSM Plan and associated DSM Standards for achieving the goals set by the Commission for the 2019-2028 ten-year period.

DATED this 26th day of February 2021.

Respectfully submitted,



Andrew M. Brown

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Attorneys for Peoples Gas System

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that true and correct copies of the foregoing have been furnished via electronic email, this 26th day of February 2021, to the following:

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Peoples Gas System

Ten-Year DSM Plan

2019-2028

Filed: November 20, 2019
Revised: February 26, 2021

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**Peoples Gas System's
2019-2028 Demand Side Management Plan**

Executive Summary

Peoples Gas System's 2019-2028 Demand Side Management Plan (DSM Plan or Plan) provides a balanced, achievable, and comprehensive approach to meet the DSM goals that were approved by the Commission by Final Order No. PSC-2019-0361-PAA-GU issued on August 26, 2019 and Consummating Order No. PSC-2019-0390-GU issued on September 20, 2019. The Plan is based upon the current Commission-approved programs, including the addition of two specific programs (Residential Energy Audit – Online and Commercial Walk-Through Energy Audit) that were approved with the DSM Goalsetting Docket. The addition of these two audit DSM Programs ensures the requirements of the Florida Energy Efficiency and Conservation Act (FEECA) are met along with providing benefits to all rate classes. This DSM Plan includes notes on data and assumptions, new programs, and restructuring of existing programs to enable the streamlined reporting of energy savings and further participation in the company's DSM Programs.

The Plan was submitted to the Commission on November 20, 2019 and featured restructured programs in which each appliance had its own program. The Plan has been revised and the appliances have been re-bundled to better align with current programs.

In addition, this 2019-2028 DSM Plan continues most of the prior DSM Programs in providing gas customers with cost-effective programs for a total offering of four residential DSM programs, six commercial/industrial DSM programs, and one research and development DSM program. Highlights of the Plan are detailed below:

Executive Summary Table of Contents:

- **Data and Assumptions for Incremental Energy Savings and Costs**
- **Reporting**
- **New DSM Programs**
- **Restructuring of Existing DSM Programs**
- **Research and Development (R&D)**
- **Cost Effectiveness Summary**
- **Program Standards**
- **2019-2028 Proposed Programs**
- **Cost and Impact of Proposed DSM Programs**

Data and Assumptions for Incremental Energy Savings and Costs

Data used to develop the incremental energy (Therm) savings came from the same sources that were utilized to develop the proposed DSM Goals that were

approved by the Commission in Docket No. 20180186-GU. Data used to develop the costs to support this DSM Plan, including the performance of the FPSC required cost-effectiveness was obtained from the company's current costs in facilitating existing programs and costs currently experienced by the company and customers for energy efficient natural gas equipment and infrastructure. The following sources were used to develop the data, costs and assumptions include the following:

1. Historical data: Peoples Gas System has cost-effectively offered DSM programs for over 30 years. The company captures data regarding the programs offered and when a substantial amount of history has been gained, this information may be used.
2. Load research data: Peoples Gas System utilizes its internal Load Research Department to provide data on forecasted customer counts and projected energy usage.
3. United States Energy Information Administration, 2015 Residential Energy Consumption Survey (RECS).
4. United States Energy Information Administration, 2012 Commercial Building Energy Consumption Survey (CBECS).
5. United States Energy Information Administration, June 2018 report, "Updated Building Sector Appliance and Equipment Costs and Efficiencies".
6. National Renewable Energy Laboratory, "2014 Building America House Simulation protocols".
7. Florida Solar Energy Center, "Estimating Daily Domestic Hot-water Use in North American Homes", FSEC-PF-464-15.
8. Florida Solar Energy Center, Final Effectiveness Workbook, FSEC-CR-1918-12.

Reporting

Historically, Peoples Gas System has reported the results of the Company's Commission-approved DSM program's results through each program's participation level and associated costs in the annual "true-up" and "projection" filings within the Natural Gas Conservation Cost Recovery (NGCCR) Docket. Starting in March 2019, Peoples Gas System started the reporting of the quantified energy savings based upon the actual efficiency of the equipment installed and the usage of the equipment within the specific market segment. Reporting on an annual basis will continue each year, with the company filing an

Annual DSM Accomplishments Report to the Commission on the first of March of each year.

New Programs to Fulfill Requirements of FEECA

Peoples Gas System received approval to add the following DSM programs to its DSM portfolio to ensure the full requirements of the FEECA are being met:

- **Residential Customer Assisted Energy Audit (Online Energy Audit):** A conservation program designed to save energy by increasing residential customer awareness of natural gas energy use in personal residences. This program allows for residential customers to engage in an online energy audit. Savings are dependent on the customer implementing energy conservation measures and practice recommendations. Recommendations provided to the customer include an estimated range of energy savings including insightful advice on how to manage their overall energy usage.
- **Commercial Walk-Through Energy Audit:** A conservation program designed to reduce demand and energy consumption of commercial/industrial facilities by increasing customer awareness of the energy use in their facilities. The savings are dependent upon the customer's implementation of conservation measures and practices recommended.

Due to COVID-19 and a lack of available contractors, Peoples has not yet implemented this program. Peoples plans to roll the program out in the Tampa Bay area in 2021 and expand from there, using information and practices gathered from the initial launch.

Changes to Existing Programs

Peoples Gas System is proposing some changes to its existing residential and commercial/industrial DSM programs that will be offered with the company's 2019-2028 DSM Plan. PGS will continue to use the term "Retention", which is the replacement of an existing natural gas system/equipment with an energy efficient natural gas system/equipment. However, the replacement of an electric system/equipment with an energy-efficient natural gas system/equipment will now be referred to as "Retrofit". The Company updated the incentive level of several measures to recognize the increased costs experienced to install energy-efficient natural gas equipment, increased piping and venting costs, and to attempt to gain added participation in the programs. Below is a summary of the changes being proposed (if any) in each of the DSM programs:

Residential Programs

- **Residential Customer Assisted Energy Audit:** This program has no changes recommended.
- **Residential New Construction:** The rebate amount is being proposed to be increased from a typical rebate of \$766 per participant to \$1,186 per participant.
- **Residential Retrofit:** The program is being renamed to clarify that it is the replacement of an electric system/equipment with an energy-efficient natural gas system/equipment. The following rebate changes are being proposed: the rebate amount for the dryer is increasing from \$150 to \$200, the ENERGY STAR Tank Water Heater is increasing from \$550 to \$650, the Range/Cooktop is increasing from \$200 to \$300, the Tank Water Heater is increasing from \$500 to \$550, and the Tankless Water Heater is increasing from \$675 to \$700. The residential retrofit application of Gas Space Conditioning is being added to this program and the rebate amount is increasing from \$150 per ton to \$500 per ton.
- **Residential Retention:** No restructuring of the program was necessary. The rebate amount for the dryer is increasing from \$100 to \$150. The residential retention application of Gas Space Conditioning has been added to this program.
- **Oil Heat Replacement:** This program has been eliminated due to low historical participation totals.

Commercial Programs

- **Commercial Walk-Through Energy Audit:** This program has no changes recommended.
- **Commercial New Construction:** The rebate amount is being proposed to be increased from a typical rebate of \$1,424 per participant to \$2,266 per participant.
- **Commercial Retrofit:** The program is being renamed to clarify that it is the replacement of an electric system/equipment with an energy efficient natural gas system/equipment. The following rebate changes are being proposed: the maximum rebate amount for the dryer is increasing from \$1,500 to \$2,500, the ENERGY STAR Tank Water Heater is increasing from \$2,000 to \$2,500, the Fryer is increasing from \$3,000 to \$3,500, the Range/Cooktop is increasing from \$1,500 to \$2,000, and the Tankless Water Heater is

increasing from \$2,500 to \$3,500. The commercial retrofit application of Gas Space Conditioning is being added to this program and the rebate amount is increasing from \$150 per ton to \$500 per ton.

- **Commercial Retrofit Combined Heat and Power:** This program is renamed from “Small Package Cogeneration and Feasibility Study” to provide more clarity to participating customers for what measures are eligible for a rebate. PGS removed the feasibility portion of this program due to the progression of combined heat and power (CHP) technology and associated studies since this programs inception in 1990 and increased the eligibility for participation by all rate payer commercial/industrial customers except for the natural gas fired cogeneration and interruptible customers, which are excluded from ECCR clause recovery. The rebate amount is being proposed to be increased for retrofit participation from \$150 per kW of capacity to \$300 per kW of capacity with additional requirements for waste heat offsetting natural gas use.
- **Commercial Retrofit Electric Replacement:** This program is being renamed to provide more clarity to participating customers for what measures are eligible for an incentive. The rebate amount is being proposed to be increased from \$40 per offsetting kW to \$100 per offsetting kW.
- **Commercial Retention:** The rebate amount for the dryer is increasing from \$1,500 to \$2,000. The commercial retention application of Gas Space Conditioning is being added to this program.
- **Commercial Retention Combined Heat and Power:** This program has been eliminated due to its failure to achieve cost effectiveness.
- **Conservation Research and Development (R&D):** Rule 25-17.001(5)(f), Florida Administrative Code (F.A.C.) requires aggressive R&D projects to be “...an ongoing part of the practice of every well managed utility’s programs.” Peoples Gas System is combining the existing Monitoring and Research program with the Conservation Demonstration and Development program to become a single Conservation R&D program. PGS will continue its R&D efforts over the next five years at an estimated cost of \$125,000 per year and will not exceed \$500,000 over the most current five-year DSM Goals period. Peoples Gas System commits to communicate any potential R&D projects to the Commission prior to starting and

upon completion will include all results or findings in the company's next annual DSM report.

Program Standards

Peoples Gas System is filing the program standards concurrently with this proposed DSM Plan.

2019–2028 Proposed Programs

Residential

1. Residential Customer Assisted Energy Audit
2. Residential New Construction
3. Residential Retrofit
4. Residential Retention

Commercial/Industrial

5. Commercial Walk-Through Energy Audit
6. Commercial New Construction
7. Commercial Retrofit
8. Commercial Retrofit Combined Heat and Power
9. Commercial Retrofit Electric Replacement
10. Commercial Retention

Research and Development

11. Conservation Research and Development (R&D)

DSM Program Cost Effectiveness Summary

Peoples Gas System			
Proposed 2019-2028 DSM Plan Programs			
CE Analysis Bundled			
		GRIM	PCT
Residential Programs			
1	Residential New Construction	1.502	1.041
2	Residential Retrofit	1.321	1.103
3	Residential Retention	1.412	1.579
Commercial Programs			
4	Commercial New Construction	2.871	1.098
5	Commercial Retrofit	3.326	1.316
6	Commercial Retrofit- Combined Heat and Power	2.225	1.846
7	Commercial Retrofit- Electric Replacement	4.404	1.218
8	Commercial Retention	1.009	4.094

Cost and Impact of Proposed DSM Plan

Peoples Gas System’s 2019-2028 DSM Plan is designed to meet the DSM goals that were approved by the Commission by Final Order No. PSC-2019-0361-PAA-GU issued on August 26, 2019 and Consummating Order No. PSC-2019-0390-GU issued on September 20, 2019. The DSM Plan is based upon the current Commission-approved programs and will decrease overall energy costs to customers. The costs incurred to offer these DSM Programs to achieve these goals will be collected through the NGCCR Clause. Peoples Gas System’s current 2019 projected residential NGCCR cost at 20 therms per month is \$2.13 (\$0.10655 per therm). With the approval of this DSM Plan to support the new established goals and other spending requirements, the residential NGCCR cost at 20 therms per month is projected to increase to \$2.86 for 2020 and \$3.22 by 2028. The tables below provide the detail of the cost impacts projected over the 10-year period to meet the Commission’s approved DSM Goals.

DSM Cost Estimates Peoples Gas System			
Year	FPSC Approved Goal (Therm)	Cumulative (Therm)	DSM Plan Cost
2019	554,594	554,594	\$ 17,824,339
2020	569,170	1,123,764	\$ 18,217,208
2021	583,537	1,707,301	\$ 18,769,911
2022	597,561	2,304,862	\$ 19,295,915
2023	611,222	2,916,084	\$ 19,633,845
2024	624,502	3,540,586	\$ 19,955,462
2025	638,019	4,178,605	\$ 20,267,561
2026	651,779	4,830,385	\$ 20,596,393
2027	665,786	5,496,171	\$ 20,909,476
2028	680,046	6,176,217	\$ 21,285,745

Residential Bill Impact Based on Monthly Usage of 20 Therms		
Year	Annual Bill Impact	Monthly Bill Impact
2019	\$ 33.98	\$ 2.83
2020	\$ 34.35	\$ 2.86
2021	\$ 35.28	\$ 2.94
2022	\$ 36.06	\$ 3.01
2023	\$ 36.47	\$ 3.04
2024	\$ 36.90	\$ 3.08
2025	\$ 37.34	\$ 3.11
2026	\$ 37.76	\$ 3.15
2027	\$ 38.18	\$ 3.18
2028	\$ 38.62	\$ 3.22

Peoples Gas System 2019-2028 Projected Annual Therm Savings At the Meter										
Year	Residential Annual Energy (Therms)	Residential Cumulative Energy (Therms)	Residential FPSC Approved Goal	Residential Cumulative FPSC Approved Goal	Commercial Annual Energy (Therms)	Commercial Cumulative Energy (Therms)	Commercial FPSC Approved Goal	Commercial Cumulative FPSC Approved Goal	Combined Annual Energy (Therms)	Combined FPSC Approved Goal
2019	355,030	355,030	338,439	338,439	232,963	232,963	216,155	216,155	587,993	554,594
2020	363,435	718,465	347,108	685,548	239,229	472,192	222,062	438,217	602,664	569,170
2021	373,753	1,092,218	355,569	1,041,116	245,612	717,804	227,968	666,184	619,365	583,537
2022	383,682	1,475,900	363,728	1,404,845	251,869	969,674	233,833	900,017	635,552	597,561
2023	389,725	1,865,625	371,562	1,776,406	258,120	1,227,794	239,661	1,139,678	647,845	611,222
2024	395,866	2,261,491	379,045	2,155,451	264,386	1,492,180	245,457	1,385,135	660,252	624,502
2025	401,594	2,663,085	386,682	2,542,133	270,678	1,762,858	251,338	1,636,473	672,272	638,019
2026	407,663	3,070,748	394,475	2,936,608	277,076	2,039,934	257,304	1,893,777	684,739	651,779
2027	413,392	3,484,140	402,429	3,339,037	283,612	2,323,546	263,357	2,157,134	697,004	665,786
2028	420,592	3,904,732	410,546	3,749,583	290,246	2,613,791	269,500	2,426,634	710,838	680,046

Program: Residential Customer Assisted Energy Audit (Online)

Program Start Date: April 2020

Program Description

A conservation program designed to save energy by increasing residential customer awareness of natural gas energy use in personal residences. This program allows for residential customers to engage in an online energy audit. Savings are dependent on the customer implementing energy conservation measure and practice recommendations. Recommendations provided to the customer includes an estimated range of energy savings including insightful advice on how to manage their overall energy usage.

To access this free audit, customers can participate by either logging in to Peoples Gas System's customer portal and completing the survey utilizing their actual historical natural gas usage or can complete the energy audit without logging in and using values the customer enters. Personalized audit results are immediately displayed on the customer's computer for review and implementation. The audit recommendations are based on the customers' answers to the questions and their actual energy consumption.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Program savings from the Residential Customer Assisted Energy Audit primarily come from behavioral savings. Because the savings primarily come through behavioral type changes and action taken by a customer to install a natural gas measure would likely be captured in another of the company's DSM programs. The savings per participant are as follows:

Annual Energy: 0.000 Therms

Program Costs

Based on projected costs, the administrative cost per audit is estimated to be \$10. There are no rebates or incentives for this program.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the

Commission. Peoples Gas System will evaluate the effectiveness of the online audit as compared to a residential walkthrough energy audit to ensure the justifications for the Rule Waiver that was approved in Order No. PSC-2019-0361-PAA-GU continue to be valid.

PROGRAM NAME: RESIDENTIAL CUSTOMER ASSISTED ENERGY AUDIT

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	Note 1	Note 1
2020	Note 1	Note 1
2021	Note 1	Note 1
2022	Note 1	Note 1
2023	Note 1	Note 1
2024	Note 1	Note 1
2025	Note 1	Note 1
2026	Note 1	Note 1
2027	Note 1	Note 1
2028	Note 1	Note 1

Note 1: Primary savings comes from behavioral applications and are not quantified per FPSC.

PROGRAM NAME: RESIDENTIAL CUSTOMER ASSISTED ENERGY AUDIT

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	362,478	362,478	2,500	0.7%	2,500
2020	371,763	371,763	3,500	1.6%	6,000
2021	380,824	380,824	4,500	2.8%	10,500
2022	389,564	389,564	4,500	3.9%	15,000
2023	397,953	397,953	4,500	4.9%	19,500
2024	405,968	405,968	4,500	5.9%	24,000
2025	414,147	414,147	4,500	6.9%	28,500
2026	422,494	422,494	4,500	7.8%	33,000
2027	431,013	431,013	4,500	8.7%	37,500
2028	439,707	439,707	4,500	9.6%	42,000

Program: Residential New Construction

Program Start Date: October 1990

Program Description

The Residential New Construction Program is designed to encourage builders and developers to construct new single family and multi-family homes with the installation of energy efficient natural gas appliances to help reduce the new customer's energy consumption and conserve energy resources. The rebates offered to builders and developers under this program are designed to assist in defraying the added cost of gas piping and venting. The goal is to offer customer rebates for installing new energy efficient natural gas equipment.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Savings were determined using the most recent U.S. Energy Information Administration Building Sector Appliance and Equipment Costs and Efficiencies Study and analyzed appliance usage patterns for residential Florida homes. The anticipated savings for customer participation are:

Annual Energy: 27.101 Therms

Program Costs

Rebate: \$200 per qualifying natural gas dryer system.
\$300 per qualifying natural gas range/cooktop system.
\$550 per qualifying natural gas tank water heating system.
\$650 per qualifying natural gas ENERGY STAR tank water heating system
\$700 per qualifying natural gas tankless water heating system.
\$725 per qualifying natural gas central heating system.

The estimated administrative cost per participant is \$31.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: RESIDENTIAL NEW CONSTRUCTION

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	27.101	224,938
2020	27.101	230,359
2021	27.101	235,779
2022	27.101	241,199
2023	27.101	243,909
2024	27.101	246,619
2025	27.101	249,329
2026	27.101	252,039
2027	27.101	254,749
2028	27.101	257,460

PROGRAM NAME: RESIDENTIAL NEW CONSTRUCTION

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	362,478	362,478	8,300	2.3%	8,300
2020	371,763	371,763	8,500	4.5%	16,800
2021	380,824	380,824	8,700	6.7%	25,500
2022	389,564	389,564	8,900	8.8%	34,400
2023	397,953	397,953	9,000	10.9%	43,400
2024	405,968	405,968	9,100	12.9%	52,500
2025	414,147	414,147	9,200	14.9%	61,700
2026	422,494	422,494	9,300	16.8%	71,000
2027	431,013	431,013	9,400	18.7%	80,400
2028	439,707	439,707	9,500	20.4%	89,900

PROGRAM TITLE: **INPUT DATA - PART 1**
Residential - New Construction
Load Building

PSC FORM C.B. FORM 1
 PAGE 1 OF 1
 2/16/2021

- (1) Life of Program 20 Years
- (2) Average therms consumed by Appliance (s) 174 Therms
- (3) Program peak consumption per installed Appliance:
 - Summer 0 Therms
 - Winter 0 Therms
- (4) Appliances Installed per Program 9,245 Units/Year
- (5) Average Number of Participants per Year 9,245 Participants/Year
- (6) Avoided annual kWh per Appliance 7,394 kWh
- (6)a Avoided demand kW per Appliance 0.000 kW
- (7) Avoided annual Therms per Appliance 0 Therms/Year
- (8) Incentive payment per Appliance 1,186 \$
- (9) Other Costs not identified in C.B. Forms
- (10) Escalation Rates:
 - Gas and Pipeline 2.00 %
 - Capital 2.00 %
 - O&M 2.20 %

Residential - New Construction Load Building Calculated Benefit to Cost Ratios	
(1) Participant Cost Test (PCT)	1.041
(2) Gas-Rate Impact Measure Test (G-RIM)	1.502

Participant Cost Test (PCT) (Load Building Scenario)

Program: Residential - New Construction

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Benefits				Costs								
	Electric Bill Savings	Tax Credits	Utility Rebate	Other Benefits	Total Benefits	Net Customer Equipment Costs	Customer Gas Installation Costs	Incremental O&M Costs	Annual Gas Energy Charge	Annual Cost of Gas	Annual Customer Charge	Total Costs	Net Benefits
Year													
2019	775	0	1,186	0	1,961	1,107	3,400	0	73	147	270	4,996	(3,035)
2020	792	0	0	0	792	0	0	0	74	151	275	500	292
2021	809	0	0	0	809	0	0	0	76	154	282	511	298
2022	827	0	0	0	827	0	0	0	78	157	288	523	305
2023	845	0	0	0	845	0	0	0	79	161	294	534	311
2024	864	0	0	0	864	0	0	0	81	164	301	546	318
2025	883	0	0	0	883	0	0	0	83	168	307	558	325
2026	902	0	0	0	902	0	0	0	85	172	314	570	332
2027	922	0	0	0	922	0	0	0	86	175	321	583	340
2028	943	0	0	0	943	0	0	0	88	179	328	595	347
2029	963	0	0	0	963	0	0	0	90	183	335	609	355
2030	985	0	0	0	985	0	0	0	92	187	342	622	363
2031	1,006	0	0	0	1,006	0	0	0	94	191	350	636	371
2032	1,028	0	916	0	1,944	1,468	0	0	96	196	358	2,118	(174)
2033	1,051	0	0	0	1,051	0	0	0	99	200	366	664	387
2034	1,074	0	0	0	1,074	0	0	0	101	204	374	679	396
2035	1,098	0	0	0	1,098	0	0	0	103	209	382	693	404
2036	1,122	0	0	0	1,122	0	0	0	105	213	390	709	413
2037	1,146	0	0	0	1,146	0	0	0	107	218	399	724	422
2038	1,172	0	0	0	1,172	0	0	0	110	223	408	740	431
Nominal	19,208	0	2,102	0	21,310	2,575	3,400	0	1,800	3,654	6,681	18,110	
NPV:	11,062	0	1,607	0	12,669	1,782	3,400	0	1,037	2,104	3,847	12,170	
Discount rate:		0.0616											
				Total PV of Benefits	12,669						Total PV of Costs	12,170	
											PCT	1.041	

Gas - Rate Impact Measure Test (G-RIM)(Load Building Scenario)

Program: Residential - New Construction

PSC C.B. FORM 3

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
	Benefits			Costs									
YEAR	Energy Charge	Gas Charge	Customer Charge	Total Benefits	Gas Supply	Non-Fuel Supply Costs	Depreciation	Customer	Admin	Rebate/ Incentive	Total Cost	Net Benefits	
2019	73	147	270	490	138	0	95	0	31	1186	1,450	(961)	
2020	74	151	275	500	141	0	93	0	0	0	234	266	
2021	76	154	282	511	144	0	91	0	0	0	235	276	
2022	78	157	288	523	147	0	89	0	0	0	236	287	
2023	79	161	294	534	151	0	87	0	0	0	237	297	
2024	81	164	301	546	154	0	85	0	0	0	239	307	
2025	83	168	307	558	157	0	83	0	0	0	240	318	
2026	85	172	314	570	161	0	81	0	0	0	242	328	
2027	86	175	321	583	164	0	79	0	0	0	243	339	
2028	88	179	328	595	168	0	77	0	0	0	245	350	
2029	90	183	335	609	172	0	76	0	0	0	247	361	
2030	92	187	342	622	175	0	74	0	0	0	249	373	
2031	94	191	350	636	179	0	72	0	0	0	252	384	
2032	96	196	358	650	183	0	71	0	164	916	1,334	(684)	
2033	99	200	366	664	187	0	69	0	0	0	256	407	
2034	101	204	374	679	191	0	68	0	0	0	259	420	
2035	103	209	382	693	196	0	66	0	0	0	262	432	
2036	105	213	390	709	200	0	65	0	0	0	265	444	
2037	107	218	399	724	204	0	63	0	0	0	268	457	
2038	110	223	408	740	209	0	62	0	0	0	271	470	
NOMINAL	1,800	3,654	6,681	12,135	3,421	0	1,546	0	195	2,102	7,264		
NPV:	1,037	2,104	3,847	6,988	1,970	0	970	0	106	1,607	4,654		
Discount rate:		0.0616											
				Total PV of Benefits	6,988					Total PV of Costs	4,654		
										G-RIM	1.502		

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PEOPLES GAS SYSTEM
 TEN-YEAR DSM GOALS
 2019-2028
 FILED: NOVEMBER 20, 2019
 REVISED: FEBRUARY 26, 2021

Program: Residential Retrofit Program

Program Start Date: October 1990

Program Description

The Residential Retrofit Program is designed to encourage current and new natural gas customers to make cost-effective improvements to existing residences with the installation of energy efficient natural gas appliances to help reduce their energy consumption and conserve energy resources. The goal is to offer customer rebates for installing new energy efficient natural gas equipment.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Savings were determined using the most recent U.S. Energy Information Administration Building Sector Appliance and Equipment Costs and Efficiencies Study and analyzed appliance usage patterns for residential Florida homes. The anticipated savings for customer participation are:

Annual Energy: 9.458 Therms

Program Costs

Rebate: \$200 per qualifying natural gas dryer.
\$300 per qualifying natural gas range/cooktop.
\$550 per qualifying natural gas tank water heater.
\$650 per qualifying natural gas ENERGY STAR tank water heater.
\$700 per qualifying natural gas tankless water heater.
\$725 per qualifying natural gas central heating system.
\$65 per qualifying natural gas space heater.
\$500 per ton of installed qualifying natural gas space conditioning equipment.

The estimated administrative cost per participant is \$31.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: RESIDENTIAL RETROFIT

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	9.458	21,446
2020	9.458	21,857
2021	9.458	22,888
2022	9.458	23,779
2023	9.458	24,193
2024	9.458	24,978
2025	9.458	25,526
2026	9.458	26,170
2027	9.458	26,718
2028	9.458	27,518

PROGRAM NAME: RESIDENTIAL RETROFIT

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	362,478	362,478	2,268	0.6%	2,268
2020	371,763	371,763	2,311	1.2%	4,579
2021	380,824	380,824	2,420	1.8%	6,999
2022	389,564	389,564	2,514	2.4%	9,513
2023	397,953	397,953	2,558	3.0%	12,071
2024	405,968	405,968	2,641	3.6%	14,712
2025	414,147	414,147	2,699	4.2%	17,411
2026	422,494	422,494	2,767	4.8%	20,178
2027	431,013	431,013	2,825	5.3%	23,003
2028	439,707	439,707	2,910	5.9%	25,912

PROGRAM TITLE: **INPUT DATA - PART 1**
Residential Retrofit
Load Building

- (1) Life of Program 20 Years
- (2) Average therms consumed by Appliance (s) 57 Therms
- (3) Program peak consumption per installed Appliance:
 - Summer 0 Therms
 - Winter 0 Therms
- (4) Appliances Installed per Program 2,752 Units/Year
- (5) Average Number of Participants per Year 2,752 Participants/Year
- (6) Avoided annual kWh per Appliance 2,483 kWh
- (6)a Avoided demand kW per Appliance 0.000 kW
- (7) Avoided annual Therms per Appliance 0 Therms/Year
- (8) Incentive payment per Appliance 408 \$
- (9) Other Costs not identified in C.B. Forms
- (10) Escalation Rates:
 - Gas and Pipeline 2.00 %
 - Capital 2.00 %
 - O&M 2.20 %

Residential Retrofit Load Building Calculated Benefit to Cost Ratios	
(1) Participant Cost Test (PCT)	1.103
(2) Gas-Rate Impact Measure Test (G-RIM)	1.321

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Participant Cost Test (PCT) (Load Building Scenario)													PSC C.B. FORM 2
Program: Residential Retrofit													Page 1 of 1
													February 16, 2021
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Benefits					Costs								
Electric Bill Savings	Tax Credits	Utility Rebate	Other Benefits	Total Benefits	Net Customer Equipment Costs	Customer Gas Installation Costs	Incremental O&M Costs	Annual Gas Energy Charge	Annual Cost of Gas	Annual Customer Charge	Total Costs	Net Benefits	
Year													
2019	260	0	408	0	668	657	850	0	24	48	67	1,647	(978)
2020	266	0	0	0	266	0	0	0	24	49	69	143	123
2021	272	0	0	0	272	0	0	0	25	51	70	146	126
2022	278	0	0	0	278	0	0	0	25	52	72	149	129
2023	284	0	0	0	284	0	0	0	26	53	74	152	132
2024	290	0	0	0	290	0	0	0	27	54	75	156	135
2025	297	0	0	0	297	0	0	0	27	55	77	159	138
2026	303	0	0	0	303	0	0	0	28	56	78	163	141
2027	310	0	0	0	310	0	0	0	28	58	80	166	144
2028	317	0	0	0	317	0	0	0	29	59	82	170	147
2029	324	0	0	0	324	0	0	0	30	60	84	173	150
2030	331	0	0	0	331	0	0	0	30	61	86	177	153
2031	338	0	0	0	338	0	0	0	31	63	87	181	157
2032	345	0	0	0	345	0	0	0	32	64	89	185	160
2033	353	0	374	0	727	891	0	0	32	66	91	1,080	(353)
2034	361	0	0	0	361	0	0	0	33	67	93	193	167
2035	369	0	0	0	369	0	0	0	34	68	95	198	171
2036	377	0	0	0	377	0	0	0	34	70	98	202	175
2037	385	0	0	0	385	0	0	0	35	72	100	206	179
2038	393	0	0	0	393	0	0	0	36	73	102	211	182
Nominal	6,451	0	782	0	7,233	1,548	850	0	591	1,199	1,670	5,858	
NPV:	3,715	0	570	0	4,285	1,043	850	0	340	690	962	3,885	
Discount rate:	0.0616												
				Total PV of Benefits	4,285				Total PV of Costs				3,885
											PCT	1.103	

Gas - Rate Impact Measure Test (G-RIM)(Load Building Scenario)
 Program: Residential Retrofit

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
	Benefits			Costs									
	Energy Charge	Gas Charge	Customer Charge	Total Benefits	Gas Supply	Non-Fuel Supply Costs	Depreciation	Customer	Admin	Rebate/ Incentive	Total Cost	Net Benefits	
YEAR													
2019	24	48	67	140	45	0	24	0	31	408	508	(369)	
2020	24	49	69	143	46	0	23	0	0	0	70	73	
2021	25	51	70	146	47	0	23	0	0	0	70	76	
2022	25	52	72	149	48	0	22	0	0	0	71	78	
2023	26	53	74	152	49	0	22	0	0	0	71	81	
2024	27	54	75	156	50	0	21	0	0	0	72	84	
2025	27	55	77	159	52	0	21	0	0	0	72	87	
2026	28	56	78	163	53	0	20	0	0	0	73	89	
2027	28	58	80	166	54	0	20	0	0	0	74	92	
2028	29	59	82	170	55	0	19	0	0	0	75	95	
2029	30	60	84	173	56	0	19	0	0	0	75	98	
2030	30	61	86	177	58	0	19	0	0	0	76	101	
2031	31	63	87	181	59	0	18	0	0	0	77	104	
2032	32	64	89	185	60	0	18	0	0	0	78	107	
2033	32	66	91	189	61	0	17	0	42	374	495	(305)	
2034	33	67	93	193	63	0	17	0	0	0	80	114	
2035	34	68	95	198	64	0	16	0	0	0	81	117	
2036	34	70	98	202	66	0	16	0	0	0	82	120	
2037	35	72	100	206	67	0	16	0	0	0	83	124	
2038	36	73	102	211	68	0	15	0	0	0	84	127	
										0			
NOMINAL	591	1,199	1,670	3,459	1,122	0	387	0	73	782	2,364	1,095	
NPV:	340	690	962	1,992	646	0	243	0	49	570	1,508	484	
Discount rate:		0.0616											
			Total PV of Benefits	1,992						Total PV of Costs	1,508		
										G-RIM	1.321		

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PEOPLES GAS SYSTEM
 TEN-YEAR DSM GOALS
 2019-2028
 FILED: NOVEMBER 20, 2019
 REVISED: FEBRUARY 26, 2021

Program: Residential Retention Program

Program Start Date: September 2010

Program Description

The Residential Retention Program is designed to encourage current and new natural gas customers to make cost-effective improvements to existing residences with the installation of energy-efficient natural gas appliances to help reduce their energy consumption and conserve energy resources. The goal is to offer customer rebates for installing new energy-efficient natural gas equipment.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Savings were determined using the most recent U.S. Energy Information Administration Building Sector Appliance and Equipment Costs and Efficiencies Study and analyzed appliance usage patterns for residential Florida homes. The anticipated savings for customer participation are:

Annual Energy: 7.017 Therms

Program Costs

Rebate: \$100 per qualifying natural gas range/cooktop.
\$150 per qualifying natural gas dryer
\$350 per qualifying natural gas tank water heater.
\$400 per qualifying natural gas ENERGY STAR tank water heater.
\$500 per qualifying natural gas central heating system.
\$550 per qualifying natural gas tankless water heater.
\$150 per ton of installed qualifying natural gas space conditioning equipment.

The estimated administrative cost per participant is \$31.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: RESIDENTIAL RETENTION PROGRAM

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	7.017	108,646
2020	7.017	111,219
2021	7.017	115,086
2022	7.017	118,705
2023	7.017	121,623
2024	7.017	124,269
2025	7.017	126,739
2026	7.017	129,454
2027	7.017	131,924
2028	7.017	135,615

PROGRAM NAME: RESIDENTIAL RETENTION PROGRAM

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	362,478	362,478	15,483	4.3%	15,483
2020	371,763	371,763	15,849	8.4%	31,332
2021	380,824	380,824	16,400	12.5%	47,733
2022	389,564	389,564	16,916	16.6%	64,649
2023	397,953	397,953	17,332	20.6%	81,981
2024	405,968	405,968	17,709	24.6%	99,690
2025	414,147	414,147	18,061	28.4%	117,751
2026	422,494	422,494	18,448	32.2%	136,199
2027	431,013	431,013	18,800	36.0%	154,999
2028	439,707	439,707	19,326	39.6%	174,325

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PROGRAM TITLE:

**INPUT DATA - PART 1
Residential Retention
Load Reduction**

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2/16/2021

- (1) Life of Program 20 Years
- (2) Average therms consumed by Appliance (s) 114 Therms
- (3) Program peak consumption per installed Appliance:
 - Summer 0 Therms
 - Winter 0 Therms
- (4) Appliances Installed per Program 18,380 Units/Year
- (5) Average Number of Participants per Year 18,380 Participants/Year
- (6) Avoided annual kWh per Appliance 0 kWh
- (6)a Avoided demand kW per Appliance 0.000 kW
- (7) Avoided annual Therms per Appliance 21 Therms/Year
- (8) Incentive payment per Appliance 374 \$
- (9) Other Costs not identified in C.B. Forms
- (10) Escalation Rates:
 - Gas and Pipeline 2.00 %
 - Capital 2.00 %
 - O&M 2.20 %

Residential Retention Load Reduction Calculated Benefit to Cost Ratios	
(1) Participant Cost Test (PCT)	1.579
(2) Gas-Rate Impact Measure Test (G-RIM)	1.412

PEOPLES GAS SYSTEM
 TEN-YEAR DSM GOALS
 2019-2028
 FILED: NOVEMBER 20, 2019
 REVISED: FEBRUARY 26, 2021

**Participant Cost Test (PCT) (Load Reduction)
Program: Residential Retention**

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Year	Benefits						Costs					Net Benefits
	Energy Charge Savings (Gas)	Gas Charge Savings (kWh)	Tax Credits	Utility Rebate	Other Benefits	Total Benefits	Net Customer Equipment Costs	Net Customer Gas Installation Costs	Incremental O&M Costs	Total Costs		
2019	9	17	0	374	0	400	363	0	0	363	37	
2020	9	17	0	0	0	27	0	0	0	0	27	
2021	9	18	0	0	0	27	0	0	0	0	27	
2022	10	18	0	0	0	28	0	0	0	0	28	
2023	10	19	0	0	0	28	0	0	0	0	28	
2024	10	19	0	0	0	29	0	0	0	0	29	
2025	10	19	0	0	0	30	0	0	0	0	30	
2026	10	20	0	0	0	30	0	0	0	0	30	
2027	11	20	0	0	0	31	0	0	0	0	31	
2028	11	21	0	0	0	32	0	0	0	0	32	
2029	11	21	0	0	0	32	0	0	0	0	32	
2030	11	22	0	0	0	33	0	0	0	0	33	
2031	12	22	0	0	0	34	0	0	0	0	34	
2032	12	23	0	0	0	35	0	0	0	0	35	
2033	12	23	0	0	0	35	0	0	0	0	35	
2034	12	24	0	374	0	410	504	0	0	504	(93)	
2035	13	24	0	0	0	37	0	0	0	0	37	
2036	13	25	0	0	0	38	0	0	0	0	38	
2037	13	25	0	0	0	38	0	0	0	0	38	
2038	14	26	0	0	0	39	0	0	0	0	39	
Nominal	222		0	749	0	1,393	867	0	0	867		
NPV:	128		0	527	0	898	569	0	0	569		
Discount rate:		0.0616										
				Total PV of Benefits		898			Total PV of Costs	569		
									PCT	1.579		

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PEOPLES GAS SYSTEM
TEN-YEAR DSM GOALS
2019-2028
FILED: NOVEMBER 20, 2019
REVISED: FEBRUARY 26, 2021

Gas - Rate Impact Measure Test (G-RIM)
Program: Residential Retention

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Benefits								Costs						
Energy Charge (Gas)	Gas Charge (kWh)	Incremental Cust Charge	Avoided Main	Avoided Meter/Regulator	Avoided Depreciation	Avoided Taxes	Total Benefits	Energy Charge	Gas Charge	Rebate/Incentive	Admin Cost	Total Cost	Net Benefits	
YEAR														
2019	8	17	67	0	0	0	93	8	17	374	31	431	(338)	
2020	9	17	69	0	0	0	95	9	17	0	0	26	69	
2021	9	18	70	0	0	0	97	9	18	0	0	27	70	
2022	9	18	72	0	0	0	99	9	18	0	0	27	72	
2023	9	19	74	0	0	0	101	9	19	0	0	28	74	
2024	9	19	75	0	0	0	103	9	19	0	0	28	75	
2025	10	19	77	0	0	0	106	10	19	0	0	29	77	
2026	10	20	78	0	0	0	108	10	20	0	0	30	78	
2027	10	20	80	0	0	0	110	10	20	0	0	30	80	
2028	10	21	82	0	0	0	113	10	21	0	0	31	82	
2029	10	21	84	0	0	0	115	10	21	0	0	32	84	
2030	11	22	86	0	0	0	118	11	22	0	0	32	86	
2031	11	22	87	0	0	0	121	11	22	0	0	33	87	
2032	11	23	89	0	0	0	123	11	23	0	0	34	89	
2033	11	23	91	0	0	0	126	11	23	0	0	34	91	
2034	12	24	93	0	0	0	129	12	24	374	43	452	(324)	
2035	12	24	95	0	0	0	131	12	24	0	0	36	95	
2036	12	25	98	0	0	0	134	12	25	0	0	37	98	
2037	12	25	100	0	0	0	137	12	25	0	0	38	100	
2038	13	26	102	0	0	0	140	13	26	0	0	38	102	
NOMINAL	208	422	1,670	0	0	0	2,300	208	422	749		1453	848	
NPV:	120	243	962	0	0	0	1,325	120	243	527		938	386	
Discount rate:	0.0616													
Total PV of Benefits							1,325	Total PV of Costs				938		
												G-RIM	1.412	

Program: Commercial Walk-Through Energy Audit

Program Start Date: Projected 2021

Program Description:

A conservation program designed to reduce demand and energy consumption of commercial/industrial facilities by increasing customer awareness of the energy use in their facilities. The savings are dependent upon the customer's implementation of conservation measures and practices recommended.

The audit is conducted by a trained commercial energy analyst who will perform at a minimum the following:

1. Identify, note, and recommend only those conservation measures and practices that apply to the specific commercial or industrial facility.
2. Encourage customer and organization participation in available conservation programs in which the specific commercial or industrial facility will benefit.
3. Energy usage profiling and benchmarking showing the historical energy usage and forecasted usage with no changes.
4. Identify and communicate to the customer identified no-cost, low-cost and capital cost conservation measures and practices including those that have less than a two-year payback.

Recommendations are tailored to the specific commercial or industrial facility based upon the replacement of less efficient equipment and systems or modifications to operations to enhance the customer's overall efficiency. Recommendations are primarily standardized and encourage the customer to implement measures that, if cost-effective, move the customer beyond the efficiency level typically installed in the marketplace.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Program savings from the Commercial Walk-Through Energy Audit primarily come from behavioral savings. Because the savings primarily come through behavioral type changes and action taken by a customer to install a natural gas measure would likely be captured in another of the company's DSM programs. The savings per participant are as follows:

Annual Energy: 0.0 Therms

Program Costs

Based on projected costs, the administrative cost per audit is estimated to be \$180. There are no rebates or incentives for this program.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: COMMERCIAL WALK-THROUGH ENERGY AUDIT

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	Note 1	Note 1
2020	Note 1	Note 1
2021	Note 1	Note 1
2022	Note 1	Note 1
2023	Note 1	Note 1
2024	Note 1	Note 1
2025	Note 1	Note 1
2026	Note 1	Note 1
2027	Note 1	Note 1
2028	Note 1	Note 1

*Primary savings comes from behavioral applications and are not quantified per FPSC.

PROGRAM NAME: COMMERCIAL WALK-THROUGH ENERGY AUDIT

	(a)	(b)	(c)	(d)	(e)
Year	Total Number of Customers	Total Number of Eligible Customers	Annual Number of Program Participants	Cumulative Penetration Level %	Cumulative Number of Program Participants
2019	38,226	38,226	300	0.8%	300
2020	39,271	39,271	400	1.8%	700
2021	40,315	40,315	500	3.0%	1,200
2022	41,352	41,352	500	4.1%	1,700
2023	42,383	42,383	500	5.2%	2,200
2024	43,408	43,408	500	6.2%	2,700
2025	44,448	44,448	500	7.2%	3,200
2026	45,503	45,503	500	8.1%	3,700
2027	46,573	46,573	500	9.0%	4,200
2028	47,660	47,660	500	9.9%	4,700

Program: Commercial New Construction Program

Program Start Date: October 2006

Program Description

The Commercial New Construction Program is designed to encourage builders and developers to construct commercial and industrial facilities with the installation of energy efficient natural gas equipment to help reduce the new customer's energy consumption and conserve energy resources. The rebates offered to builders and developers under this program are designed to assist in defraying the added cost of gas piping and venting. The goal is to offer customer rebates for installing new energy-efficient natural gas equipment.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Annual Energy: 484.781 Therms

Program Costs

Rebate: \$2,000 per qualifying natural gas range/cooktop system.
\$2,500 per qualifying natural gas dryer system.
\$2,500 per qualifying natural gas ENERGY STAR tank water heating system.
\$3,500 per qualifying natural gas fryer system.
\$3,500 per qualifying natural gas tankless water heating system.

The estimated administrative cost per participant is \$31.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: COMMERCIAL NEW CONSTRUCTION

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	484.781	43,145.509
2020	484.781	45,569.414
2021	484.781	46,538.976
2022	484.781	48,478.100
2023	484.781	49,932.443
2024	484.781	50,902.005
2025	484.781	52,841.129
2026	484.781	54,295.472
2027	484.781	55,265.034
2028	484.781	56,234.596

PROGRAM NAME: COMMERCIAL NEW CONSTRUCTION

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	38,226	38,226	89	0.2%	89
2020	39,271	39,271	94	0.5%	183
2021	40,315	40,315	96	0.7%	279
2022	41,352	41,352	100	0.9%	379
2023	42,383	42,383	103	1.1%	482
2024	43,408	43,408	105	1.4%	587
2025	44,448	44,448	109	1.6%	696
2026	45,503	45,503	112	1.8%	808
2027	46,573	46,573	114	2.0%	922
2028	47,660	47,660	116	2.2%	1,038

PROGRAM TITLE:

**INPUT DATA - PART 1
Commercial - New Construction
Load Building**

- (1) Life of Program 20 Years
- (2) Average therms consumed by Appliance (s) 4,807 Therms
- (3) Program peak consumption per installed Appliance:
 - Summer 0 Therms
 - Winter 0 Therms
- (4) Appliances Installed per Program 171 Units/Year
- (5) Average Number of Participants per Year 110 Participants/Year
- (6) Avoided annual kWh per Appliance 106,258 kWh
- (6)a Avoided demand kW per Appliance 20.216 kW
- (7) Avoided annual Therms per Appliance 0 Therms/Year
- (8) Incentive payment per Appliance 2,266 \$
- (9) Other Costs not identified in C.B. Forms
- (10) Escalation Rates:
 - Gas and Pipeline 2.00 %
 - Capital 2.00 %
 - O&M 2.20 %

Commercial - New Construction Load Building Calculated Benefit to Cost Ratios	
(1) Participant Cost Test (PCT)	1.098
(2) Gas-Rate Impact Measure Test (G-RIM)	2.871

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Participant Cost Test (PCT) (Load Building Scenario)

Program: Commercial - New Construction

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
	Benefits				Costs									
	Electric Bill Savings	Tax Credits	Utility Rebate	Other Benefits	Total Benefits	Net Customer Equipment Costs	Customer Gas Installation Costs	Incremental O&M Costs	Annual Gas Energy Charge	Annual Cost of Gas	Annual Customer Charge	Total Costs	Net Benefits	
Year														
2019	6,556	0	2,266	0	8,822	2,110	0	0	1,228	4,073	832	8,243	580	
2020	6,700	0	0	0	6,700	0	0	0	1,255	4,162	851	6,268	433	
2021	6,848	0	0	0	6,848	0	0	0	1,282	4,254	869	6,405	442	
2022	6,998	0	0	0	6,998	0	0	0	1,311	4,347	888	6,546	452	
2023	7,152	0	0	0	7,152	0	0	0	1,339	4,443	908	6,690	462	
2024	7,310	0	0	0	7,310	0	0	0	1,369	4,541	928	6,838	472	
2025	7,470	0	0	0	7,470	0	0	0	1,399	4,641	948	6,988	482	
2026	7,635	0	0	0	7,635	0	0	0	1,430	4,743	969	7,142	493	
2027	7,803	0	0	0	7,803	0	0	0	1,461	4,847	991	7,299	504	
2028	7,974	0	0	0	7,974	0	0	0	1,493	4,954	1,012	7,459	515	
2029	8,150	0	0	0	8,150	0	0	0	1,526	5,063	1,035	7,624	526	
2030	8,329	0	3,500	0	11,829	0	0	0	1,560	5,174	1,057	7,791	4,038	
2031	8,512	0	0	0	8,512	0	0	0	1,594	5,288	1,081	7,963	550	
2032	8,700	0	0	0	8,700	0	0	0	1,629	5,404	1,104	8,138	562	
2033	8,891	0	0	0	8,891	0	0	0	1,665	5,523	1,129	8,317	574	
2034	9,087	0	0	0	9,087	0	0	0	1,702	5,645	1,154	8,500	587	
2035	9,286	0	0	0	9,286	0	0	0	1,739	5,769	1,179	8,687	600	
2036	9,491	0	0	0	9,491	0	0	0	1,777	5,896	1,205	8,878	613	
2037	9,700	0	0	0	9,700	0	0	0	1,817	6,025	1,231	9,073	626	
2038	9,913	0	2,500	0	12,413	0	0	0	1,857	6,158	1,258	9,273	3,140	
Nominal	162,504	0	8,266	0	170,770	2,110	0	0	30,434	100,948	20,630	154,122		
NPV:	93,585	0	4,883	0	98,467	2,110	0	0	17,527	58,135	11,880	89,653		
Discount rate:		0.0616												
					Total PV of Benefits	98,467					Total PV of Costs	89,653		
											PCT	1.098		

PEOPLES GAS SYSTEM
 TEN-YEAR DSM GOALS
 2019-2028
 FILED: NOVEMBER 20, 2019
 REVISED: FEBRUARY 26, 2021

Gas - Rate Impact Measure Test (G-RIM)(Load Building Scenario)
 Program: Commercial - New Construction

PSC C.B. FORM 3
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 February 16, 2021

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
	Benefits			Costs									
	Energy Charge	Gas Charge	Customer Charge	Total Benefits	Gas Supply	Non-Fuel Supply Costs	Depreciation	Customer	Admin	Rebate/ Incentive	Total Cost	Net Benefits	
YEAR													
2019	4,073	1,228	832	6,133	1,150	0	872	0	31	2266	4,319	1,814	
2020	4,162	1,255	851	6,268	1,175	0	855	0	0	0	2,030	4,238	
2021	4,254	1,282	869	6,405	1,201	0	838	0	0	0	2,039	4,366	
2022	4,347	1,311	888	6,546	1,227	0	822	0	0	0	2,050	4,497	
2023	4,443	1,339	908	6,690	1,254	0	807	0	0	0	2,061	4,630	
2024	4,541	1,369	928	6,838	1,282	0	791	0	0	0	2,073	4,765	
2025	4,641	1,399	948	6,988	1,310	0	776	0	0	0	2,086	4,902	
2026	4,743	1,430	969	7,142	1,339	0	761	0	0	0	2,100	5,042	
2027	4,847	1,461	991	7,299	1,368	0	747	0	0	0	2,115	5,184	
2028	4,954	1,493	1,012	7,459	1,398	0	733	0	0	0	2,131	5,328	
2029	5,063	1,526	1,035	7,624	1,429	0	719	0	0	0	2,148	5,475	
2030	5,174	1,560	1,057	7,791	1,461	0	705	0	80	3500	5,746	2,045	
2031	5,288	1,594	1,081	7,963	1,493	0	692	0	0	0	2,185	5,778	
2032	5,404	1,629	1,104	8,138	1,526	0	679	0	0	0	2,205	5,933	
2033	5,523	1,665	1,129	8,317	1,559	0	666	0	0	0	2,226	6,091	
2034	5,645	1,702	1,154	8,500	1,593	0	654	0	0	0	2,247	6,252	
2035	5,769	1,739	1,179	8,687	1,628	0	642	0	0	0	2,270	6,417	
2036	5,896	1,777	1,205	8,878	1,664	0	630	0	0	0	2,294	6,584	
2037	6,025	1,817	1,231	9,073	1,701	0	618	0	0	0	2,319	6,754	
2038	6,158	1,857	1,258	9,273	1,738	0	607	0	47	2500	4,892	4,381	
NOMINAL	100,948	30,434	20,630	152,012	28,496	0	14,616	0	158	8,266	51,537	100,476	
NPV:	58,135	17,527	11,880	87,543	16,411	0	9,111	0	88	4,883	30,492	57,050	
Discount rate:		0.0616											
		Total PV of Benefits		87,543						Total PV of Costs		30,492	
										G-RIM		2.871	

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Program: Commercial Retrofit Program

Program Start Date: January 2014

Program Description

The Commercial Retrofit Program is designed to encourage current and new natural gas customers to make cost-effective improvements to existing commercial/industrial facilities with the installation of energy-efficient natural gas equipment to help reduce their energy consumption and conserve energy resources. The goal is to offer customer rebates for installing new energy-efficient natural gas equipment.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Annual Energy: 507.035 Therms

Program Costs

Rebate: \$2,000 per qualifying natural gas range/cooktop.
\$2,500 per qualifying natural gas dryer.
\$3,500 per qualifying natural gas fryer.
\$2,500 per qualifying natural gas tank water heater.
\$3,500 per qualifying natural gas tankless water heater.
\$500 per ton of installed qualifying gas space conditioning equipment.

The estimated administrative cost per participant is \$31.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: COMMERCIAL RETROFIT

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	507.035	42,731.002
2020	507.035	43,563.189
2021	507.035	44,751.682
2022	507.035	45,674.928
2023	507.035	46,792.079
2024	507.035	47,954.373
2025	507.035	48,885.427
2026	507.035	50,035.402
2027	507.035	51,257.983
2028	507.035	52,502.394

PROGRAM NAME: COMMERCIAL RETROFIT

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	38,226	38,226	84	0.2%	84
2020	39,271	39,271	86	0.4%	170
2021	40,315	40,315	88	0.6%	258
2022	41,352	41,352	90	0.8%	349
2023	42,383	42,383	92	1.0%	441
2024	43,408	43,408	95	1.2%	535
2025	44,448	44,448	96	1.4%	632
2026	45,503	45,503	99	1.6%	730
2027	46,573	46,573	101	1.8%	832
2028	47,660	47,660	104	2.0%	935

PROGRAM TITLE:

**INPUT DATA - PART 1
Commercial Retrofit
Load Building**

- (1) Life of Program 20 Years
- (2) Average therms consumed by Appliance (s) 4,270 Therms
- (3) Program peak consumption per installed Appliance:
 - Summer 0 Therms
 - Winter 0 Therms
- (4) Appliances Installed per Program 94 Units/Year
- (5) Average Number of Participants per Year 94 Participants/Year
- (6) Avoided annual kWh per Appliance 115,984 kWh
- (6)a Avoided demand kW per Appliance 42.642 kW
- (7) Avoided annual Therms per Appliance 0 Therms/Year
- (8) Incentive payment per Appliance 3,497 \$
- (9) Other Costs not identified in C.B. Forms
- (10) Escalation Rates:
 - Gas and Pipeline 2.00 %
 - Capital 2.00 %
 - O&M 2.20 %

Commercial Retrofit Load Building Calculated Benefit to Cost Ratios	
(1) Participant Cost Test (PCT)	1.316
(2) Gas-Rate Impact Measure Test (G-RIM)	3.326

Participant Cost Test (PCT) (Load Building Scenario)												PSC C.B. FORM 2	
Program: Commercial Retrofit												Page 1 of 1	
												February 16, 2021	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Benefits					Costs								
Electric Bill Savings	Tax Credits	Utility Rebate	Other Benefits	Total Benefits	Net Customer Equipment Costs	Customer Gas Installation Costs	Incremental O&M Costs	Annual Gas Energy Charge	Annual Cost of Gas	Annual Customer Charge	Total Costs	Net Benefits	
Year													
2019	7,373	0	3,497	0	10,870	8,635	0	0	1,091	3,617	208	13,551	(2,681)
2020	7,535	0	0	0	7,535	0	0	0	1,115	3,697	213	5,024	2,511
2021	7,701	0	0	0	7,701	0	0	0	1,139	3,778	217	5,135	2,566
2022	7,871	0	0	0	7,871	0	0	0	1,164	3,861	222	5,248	2,623
2023	8,044	0	0	0	8,044	0	0	0	1,190	3,946	227	5,363	2,681
2024	8,221	0	0	0	8,221	0	0	0	1,216	4,033	232	5,481	2,740
2025	8,402	0	0	0	8,402	0	0	0	1,243	4,122	237	5,602	2,800
2026	8,586	0	0	0	8,586	0	0	0	1,270	4,213	242	5,725	2,861
2027	8,775	0	0	0	8,775	0	0	0	1,298	4,305	248	5,851	2,924
2028	8,968	0	0	0	8,968	0	0	0	1,327	4,400	253	5,980	2,989
2029	9,166	0	0	0	9,166	0	0	0	1,356	4,497	259	6,111	3,054
2030	9,367	0	0	0	9,367	0	0	0	1,386	4,596	264	6,246	3,122
2031	9,573	0	0	0	9,573	0	0	0	1,416	4,697	270	6,383	3,190
2032	9,784	0	0	0	9,784	0	0	0	1,447	4,800	276	6,524	3,261
2033	9,999	0	0	0	9,999	0	0	0	1,479	4,906	282	6,667	3,332
2034	10,219	0	0	0	10,219	0	0	0	1,512	5,014	288	6,814	3,406
2035	10,444	0	0	0	10,444	0	0	0	1,545	5,124	295	6,964	3,480
2036	10,674	0	0	0	10,674	0	0	0	1,579	5,237	301	7,117	3,557
2037	10,909	0	2,060	0	12,969	12,775	0	0	1,614	5,352	308	20,048	(7,080)
2038	11,149	0	0	0	11,149	0	0	0	1,649	5,470	315	7,433	3,715
Nominal	182,761	0	5,557	0	188,317	21,410	0	0	27,033	89,666	5,157	143,266	
NPV:	105,251	0	4,199	0	109,450	12,990	0	0	15,568	51,638	2,970	83,167	
Discount rate:		0.0616											
				Total PV of Benefits	109,450						Total PV of Costs	83,167	
											PCT	1.316	

Gas - Rate Impact Measure Test (G-RIM)(Load Building Scenario)
 Program: Commercial Retrofit

PSC C.B. FORM 3
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 February 16, 2021

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
	Benefits				Costs								
	Energy Charge	Gas Charge	Customer Charge	Total Benefits	Gas Supply	Non-Fuel Supply Costs	Depreciation	Customer	Admin	Rebate/ Incentive	Total Cost	Net Benefits	
YEAR													
2019	3,617	1,091	208	4,916	1,021	0	218	0	31	3497	4,767	149	
2020	3,697	1,115	213	5,024	1,044	0	214	0	0	0	1,257	3,767	
2021	3,778	1,139	217	5,135	1,067	0	210	0	0	0	1,276	3,859	
2022	3,861	1,164	222	5,248	1,090	0	206	0	0	0	1,296	3,952	
2023	3,946	1,190	227	5,363	1,114	0	202	0	0	0	1,316	4,048	
2024	4,033	1,216	232	5,481	1,139	0	198	0	0	0	1,336	4,145	
2025	4,122	1,243	237	5,602	1,164	0	194	0	0	0	1,357	4,244	
2026	4,213	1,270	242	5,725	1,189	0	190	0	0	0	1,379	4,346	
2027	4,305	1,298	248	5,851	1,215	0	187	0	0	0	1,402	4,449	
2028	4,400	1,327	253	5,980	1,242	0	183	0	0	0	1,425	4,555	
2029	4,497	1,356	259	6,111	1,269	0	180	0	0	0	1,449	4,662	
2030	4,596	1,386	264	6,246	1,297	0	176	0	0	0	1,474	4,772	
2031	4,697	1,416	270	6,383	1,326	0	173	0	0	0	1,499	4,884	
2032	4,800	1,447	276	6,524	1,355	0	170	0	0	0	1,525	4,999	
2033	4,906	1,479	282	6,667	1,385	0	167	0	0	0	1,551	5,116	
2034	5,014	1,512	288	6,814	1,415	0	163	0	0	0	1,579	5,235	
2035	5,124	1,545	295	6,964	1,446	0	160	0	0	0	1,607	5,357	
2036	5,237	1,579	301	7,117	1,478	0	157	0	45	0	1,681	5,436	
2037	5,352	1,614	308	7,273	1,511	0	155	0	0	2060	3,725	3,548	
2038	5,470	1,649	315	7,433	1,544	0	152	0	0	0	1,696	5,738	
NOMINAL	89,666	27,033	5,157	121,856	25,311	0	3,653	0	76	5,557	34,596	87,260	
NPV:	51,638	15,568	2,970	70,176	14,577	0	2,277	0	47	4,199	21,100	49,076	
Discount rate:		0.0616											
		Total PV of Benefits		70,176						Total PV of Costs	21,100		
										G-RIM	3.326		

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Program: Commercial Retrofit Combined Heat and Power Program

Program Start Date: October 1990

Program Description

The Commercial Retrofit Combined Heat and Power Program is designed to encourage current and new natural gas customers to make cost-effective improvements to existing commercial/industrial facilities with the installation of energy efficient natural gas equipment to help reduce their energy consumption and conserve energy resources. The goal is to offer customer rebates for installing new energy-efficient natural gas combined heat and power equipment to utilize waste heat to displace portions of natural gas usage for on-site heating, cooling, and water heating.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Annual Energy: 5,059.950 Therms

Program Costs

Rebate: \$300 per kW of actual electric demand reduced of installed combined heat and power equipment.

The estimated administrative cost per participant is \$3,000.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: COMMERCIAL RETROFIT COMBINED HEAT AND
 POWER

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	5,059.950	0.000
2020	5,059.950	0.000
2021	5,059.950	0.000
2022	5,059.950	0.000
2023	5,059.950	0.000
2024	5,059.950	0.000
2025	5,059.950	0.000
2026	5,059.950	0.000
2027	5,059.950	0.000
2028	5,059.950	0.000

PROGRAM NAME: COMMERCIAL RETROFIT COMBINED HEAT AND
 POWER

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	38,226	38,226	0	0.0%	0
2020	39,271	39,271	0	0.0%	0
2021	40,315	40,315	0	0.0%	0
2022	41,352	41,352	0	0.0%	0
2023	42,383	42,383	0	0.0%	0
2024	43,408	43,408	0	0.0%	0
2025	44,448	44,448	0	0.0%	0
2026	45,503	45,503	0	0.0%	0
2027	46,573	46,573	0	0.0%	0
2028	47,660	47,660	0	0.0%	0

PROGRAM TITLE:

**INPUT DATA - PART 1
Commercial Retrofit CHP
Load Building**

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2/16/2021

- (1) Life of Program 20 Years
- (2) Average therms consumed by Appliance (s) 20,472 Therms
- (3) Program peak consumption per installed Appliance:
 - Summer 0 Therms
 - Winter 0 Therms
- (4) Appliances Installed per Program 1 Units/Year
- (5) Average Number of Participants per Year 1 Participants/Year
- (6) Avoided annual kWh per Appliance 2,000,000 kWh
- (6)a Avoided demand kW per Appliance 250.000 kW
- (7) Avoided annual Therms per Appliance 0 Therms/Year
- (8) Incentive payment per Appliance 75,000 \$
- (9) Other Costs not identified in C.B. Forms
- (10) Escalation Rates:
 - Gas and Pipeline 2.00 %
 - Capital 2.00 %
 - O&M 2.20 %

Commercial Retrofit CHP

Load Building Calculated Benefit to Cost Ratios	
(1) Participant Cost Test (PCT)	1.846
(2) Gas-Rate Impact Measure Test (G-RIM)	2.225

Participant Cost Test (PCT) (Load Building Scenario)

Program: Commercial Retrofit CHP

PSC C.B. FORM 2

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February 16, 2021

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Benefits					Costs							
	Electric Bill Savings	Tax Credits	Utility Rebate	Other Benefits	Total Benefits	Net Customer Equipment Costs	Customer Gas Installation Costs	Incremental O&M Costs	Annual Gas Energy Charge	Annual Cost of Gas	Annual Customer Charge	Total Costs	Net Benefits
Year													
2019	122,020	0	75,000	0	197,020	650,000	0	0	5,229	17,344	832	673,406	(476,386)
2020	124,704	0	0	0	124,704	0	0	0	5,344	17,726	851	23,921	100,784
2021	127,448	0	0	0	127,448	0	0	0	5,462	18,116	869	24,447	103,001
2022	130,251	0	0	0	130,251	0	0	0	5,582	18,514	888	24,985	105,267
2023	133,117	0	0	0	133,117	0	0	0	5,705	18,922	908	25,534	107,583
2024	136,046	0	0	0	136,046	0	0	0	5,830	19,338	928	26,096	109,950
2025	139,039	0	0	0	139,039	0	0	0	5,958	19,763	948	26,670	112,368
2026	142,097	0	0	0	142,097	0	0	0	6,089	20,198	969	27,257	114,840
2027	145,224	0	0	0	145,224	0	0	0	6,223	20,643	991	27,857	117,367
2028	148,418	0	0	0	148,418	0	0	0	6,360	21,097	1,012	28,469	119,949
2029	151,684	0	0	0	151,684	0	0	0	6,500	21,561	1,035	29,096	122,588
2030	155,021	0	0	0	155,021	0	0	0	6,643	22,035	1,057	29,736	125,285
2031	158,431	0	0	0	158,431	0	0	0	6,789	22,520	1,081	30,390	128,041
2032	161,917	0	0	0	161,917	0	0	0	6,939	23,015	1,104	31,059	130,858
2033	165,479	0	0	0	165,479	0	0	0	7,091	23,522	1,129	31,742	133,737
2034	169,119	0	0	0	169,119	0	0	0	7,247	24,039	1,154	32,440	136,679
2035	172,840	0	0	0	172,840	0	0	0	7,407	24,568	1,179	33,154	139,686
2036	176,642	0	0	0	176,642	0	0	0	7,570	25,109	1,205	33,883	142,759
2037	180,529	0	0	0	180,529	0	0	0	7,736	25,661	1,231	34,629	145,900
2038	184,500	0	0	0	184,500	0	0	0	7,907	26,226	1,258	35,391	149,110
Nominal	3,024,525	0	75,000	0	3,099,525	650,000	0	0	129,612	429,918	20,630	1,230,159	
NPV:	1,741,804	0	75,000	0	1,816,804	650,000	0	0	74,643	247,587	11,880	984,110	
Discount rate:		0.0616											
					Total PV of Benefits	1,816,804						Total PV of Costs	984,110
												PCT	1.846

Gas - Rate Impact Measure Test (G-RIM)(Load Building Scenario)
 Program: Commercial Retrofit CHP

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Benefits			Costs								
	Energy Charge	Gas Charge	Customer Charge	Total Benefits	Gas Supply	Non-Fuel Supply Costs	Depreciation	Customer	Admin	Rebate/ Incentive	Total Cost	Net Benefits
YEAR												
2019	17,344	5,229	832	23,406	4,896	0	218	0	3,000	75000	83,114	(59,708)
2020	17,726	5,344	851	23,921	5,004	0	214	0	0	0	5,217	18,703
2021	18,116	5,462	869	24,447	5,114	0	210	0	0	0	5,323	19,123
2022	18,514	5,582	888	24,985	5,226	0	206	0	0	0	5,432	19,553
2023	18,922	5,705	908	25,534	5,341	0	202	0	0	0	5,543	19,991
2024	19,338	5,830	928	26,096	5,459	0	198	0	0	0	5,657	20,439
2025	19,763	5,958	948	26,670	5,579	0	194	0	0	0	5,773	20,897
2026	20,198	6,089	969	27,257	5,702	0	190	0	0	0	5,892	21,365
2027	20,643	6,223	991	27,857	5,827	0	187	0	0	0	6,014	21,843
2028	21,097	6,360	1,012	28,469	5,955	0	183	0	0	0	6,138	22,331
2029	21,561	6,500	1,035	29,096	6,086	0	180	0	0	0	6,266	22,830
2030	22,035	6,643	1,057	29,736	6,220	0	176	0	0	0	6,397	23,339
2031	22,520	6,789	1,081	30,390	6,357	0	173	0	0	0	6,530	23,860
2032	23,015	6,939	1,104	31,059	6,497	0	170	0	0	0	6,667	24,392
2033	23,522	7,091	1,129	31,742	6,640	0	167	0	0	0	6,806	24,935
2034	24,039	7,247	1,154	32,440	6,786	0	163	0	0	0	6,949	25,491
2035	24,568	7,407	1,179	33,154	6,935	0	160	0	0	0	7,096	26,058
2036	25,109	7,570	1,205	33,883	7,088	0	157	0	0	0	7,245	26,638
2037	25,661	7,736	1,231	34,629	7,244	0	155	0	0	0	7,398	27,230
2038	26,226	7,907	1,258	35,391	7,403	0	152	0	0	0	7,555	27,836
NOMINAL	429,918	129,612	20,630	580,159	121,360	0	3,653	0	3,000	75,000	203,012	377,147
NPV:	247,587	74,643	11,880	334,110	69,890	0	2,277	0	3,000	75,000	150,167	183,943
Discount rate:		0.0616										
			Total PV of Benefits	334,110						Total PV of Costs	150,167	
										G-RIM	2.225	

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Program: Commercial Retrofit Electric Replacement Program

Program Start Date: October 1990

Program Description

This Commercial Retrofit Electric Replacement Program is designed to encourage current and new natural gas customers to make cost-effective improvements to existing commercial/industrial facilities with the installation of energy-efficient natural gas equipment to help reduce their energy consumption and conserve energy resources. The goal is to offer customer rebates for installing new energy efficient natural gas equipment.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Annual Energy: 0.000 Therms

Program Costs

Rebate: \$100 per kW reduction for qualifying natural gas equipment.

The estimated administrative cost per participant is \$31.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: COMMERCIAL RETROFIT ELECTRIC REPLACEMENT

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	0.000	0.000
2020	0.000	0.000
2021	0.000	0.000
2022	0.000	0.000
2023	0.000	0.000
2024	0.000	0.000
2025	0.000	0.000
2026	0.000	0.000
2027	0.000	0.000
2028	0.000	0.000

PROGRAM NAME: COMMERCIAL RETROFIT ELECTRIC REPLACEMENT

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	38,226	38,226	1	0.0%	1
2020	39,271	39,271	1	0.0%	2
2021	40,315	40,315	1	0.0%	3
2022	41,352	41,352	1	0.0%	4
2023	42,383	42,383	1	0.0%	5
2024	43,408	43,408	1	0.0%	6
2025	44,448	44,448	1	0.0%	7
2026	45,503	45,503	1	0.0%	8
2027	46,573	46,573	1	0.0%	9
2028	47,660	47,660	1	0.0%	10

INPUT DATA - PART 1

PSC FORM C.B. FORM 1

**PROGRAM TITLE: Commercial Retrofit Electric Replacement
Load Building**

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2/16/2021

- (1) Life of Program 20 Years
- (2) Average therms consumed by Appliance (s) 17,287 Therms
- (3) Program peak consumption per installed Appliance:
 - Summer 0 Therms
 - Winter 0 Therms
- (4) Appliances Installed per Program 1 Units/Year
- (5) Average Number of Participants per Year 1 Participants/Year
- (6) Avoided annual kWh per Appliance 400,000 kWh
- (6)a Avoided demand kW per Appliance 10.000 kW
- (7) Avoided annual Therms per Appliance 0 Therms/Year
- (8) Incentive payment per Appliance 1,000 \$
- (9) Other Costs not identified in C.B. Forms
- (10) Escalation Rates:
 - Gas and Pipeline 2.00 %
 - Capital 2.00 %
 - O&M 2.20 %

Commercial Retrofit Electric Replacement Load Building Calculated Benefit to Cost Ratios	
(1) Participant Cost Test (PCT)	1.218
(2) Gas-Rate Impact Measure Test (G-RIM)	4.404

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Participant Cost Test (PCT) (Load Building Scenario)

Program: Commercial Retrofit Electric Replacement

PSC C.B. FORM 2

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February 16, 2021

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Benefits					Costs							
	Electric Bill Savings	Tax Credits	Utility Rebate	Other Benefits	Total Benefits	Net Customer Equipment Costs	Customer Gas Installation Costs	Incremental O&M Costs	Annual Gas Energy Charge	Annual Cost of Gas	Annual Customer Charge	Total Costs	Net Benefits
Year													
2019	23,982	0	1,000	0	24,982	7,500	0	0	4,416	14,646	166	26,728	(1,746)
2020	24,509	0	0	0	24,509	0	0	0	4,513	14,968	170	19,651	4,858
2021	25,049	0	0	0	25,049	0	0	0	4,612	15,298	174	20,083	4,965
2022	25,600	0	0	0	25,600	0	0	0	4,713	15,634	178	20,525	5,074
2023	26,163	0	0	0	26,163	0	0	0	4,817	15,978	182	20,977	5,186
2024	26,738	0	0	0	26,738	0	0	0	4,923	16,330	186	21,438	5,300
2025	27,327	0	0	0	27,327	0	0	0	5,031	16,689	190	21,910	5,417
2026	27,928	0	0	0	27,928	0	0	0	5,142	17,056	194	22,392	5,536
2027	28,542	0	0	0	28,542	0	0	0	5,255	17,431	198	22,885	5,658
2028	29,170	0	0	0	29,170	0	0	0	5,371	17,815	202	23,388	5,782
2029	29,812	0	0	0	29,812	0	0	0	5,489	18,207	207	23,903	5,909
2030	30,468	0	0	0	30,468	0	0	0	5,610	18,607	211	24,428	6,039
2031	31,138	0	0	0	31,138	0	0	0	5,733	19,017	216	24,966	6,172
2032	31,823	0	0	0	31,823	0	0	0	5,859	19,435	221	25,515	6,308
2033	32,523	0	0	0	32,523	0	0	0	5,988	19,862	226	26,076	6,447
2034	33,239	0	0	0	33,239	0	0	0	6,120	20,299	231	26,650	6,589
2035	33,970	0	0	0	33,970	0	0	0	6,255	20,746	236	27,236	6,734
2036	34,717	0	0	0	34,717	0	0	0	6,392	21,202	241	27,836	6,882
2037	35,481	0	0	0	35,481	0	0	0	6,533	21,669	246	28,448	7,033
2038	36,262	0	0	0	36,262	0	0	0	6,676	22,146	252	29,074	7,188
Nominal	594,440	0	1,000	0	595,440	7,500	0	0	109,448	363,035	4,126	484,109	
NPV:	342,334	0	1,000	0	343,334	7,500	0	0	63,031	209,069	2,376	281,976	
Discount rate:		0.0616											
					Total PV of Benefits	343,334						Total PV of Costs	281,976
											PCT		1.218

Gas - Rate Impact Measure Test (G-RIM)(Load Building Scenario)
 Program: Commercial Retrofit Electric Replacement

PSC C.B. FORM 3
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 February 16, 2021

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Benefits				Costs							
	Energy Charge	Gas Charge	Customer Charge	Total Benefits	Gas Supply	Non-Fuel Supply Costs	Depreciation	Customer	Admin	Rebate/ Incentive	Total Cost	Net Benefits
YEAR												
2019	14,646	4,416	166	19,228	4,134	0	218	0	31	1000	5,383	13,845
2020	14,968	4,513	170	19,651	4,225	0	214	0	0	0	4,439	15,212
2021	15,298	4,612	174	20,083	4,318	0	210	0	0	0	4,528	15,556
2022	15,634	4,713	178	20,525	4,413	0	206	0	0	0	4,619	15,906
2023	15,978	4,817	182	20,977	4,510	0	202	0	0	0	4,712	16,265
2024	16,330	4,923	186	21,438	4,610	0	198	0	0	0	4,807	16,631
2025	16,689	5,031	190	21,910	4,711	0	194	0	0	0	4,905	17,005
2026	17,056	5,142	194	22,392	4,815	0	190	0	0	0	5,005	17,387
2027	17,431	5,255	198	22,885	4,921	0	187	0	0	0	5,107	17,777
2028	17,815	5,371	202	23,388	5,029	0	183	0	0	0	5,212	18,176
2029	18,207	5,489	207	23,903	5,139	0	180	0	0	0	5,319	18,583
2030	18,607	5,610	211	24,428	5,253	0	176	0	0	0	5,429	19,000
2031	19,017	5,733	216	24,966	5,368	0	173	0	0	0	5,541	19,425
2032	19,435	5,859	221	25,515	5,486	0	170	0	0	0	5,656	19,859
2033	19,862	5,988	226	26,076	5,607	0	167	0	0	0	5,773	20,303
2034	20,299	6,120	231	26,650	5,730	0	163	0	0	0	5,894	20,756
2035	20,746	6,255	236	27,236	5,856	0	160	0	0	0	6,017	21,220
2036	21,202	6,392	241	27,836	5,985	0	157	0	0	0	6,143	21,693
2037	21,669	6,533	246	28,448	6,117	0	155	0	0	0	6,271	22,177
2038	22,146	6,676	252	29,074	6,251	0	152	0	0	0	6,403	22,671
NOMINAL	363,035	109,448	4,126	476,609	102,480	0	3,653	0	31	1,000	107,163	369,446
NPV:	209,069	63,031	2,376	274,476	59,017	0	2,277	0	31	1,000	62,325	212,151
Discount rate:		0.0616										
			Total PV of Benefits	274,476						Total PV of Costs	62,325	
										G-RIM	4.404	

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Program: Commercial Retention Program

Program Start Date: October 1990

Program Description

The Commercial Retention Program is designed to encourage current natural gas customers to make cost-effective improvements to existing commercial/industrial facilities with the installation of energy-efficient natural gas equipment to help reduce their energy consumption and conserve energy resources. The goal is to offer customer rebates for installing new energy-efficient natural gas equipment.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Savings

Annual Energy: 526.502 Therms

Program Costs

Rebate: Up to \$1,500 per qualifying natural gas range/cooktop.
Up to \$1,500 per qualifying natural gas tank water heater.
Up to \$2,000 per qualifying natural gas dryer.
Up to \$2,000 per qualifying natural gas tankless water heater.
Up to \$3,000 per qualifying natural gas fryer.
\$150 per ton of installed qualifying gas space conditioning equipment.

The estimated administrative cost per participant is \$31.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.

PROGRAM NAME: COMMERCIAL RETENTION

AT THE METER		
Year	Per Customer Therm Reduction	Total Annual Therm Reduction
2019	526.502	147,086.897
2020	526.502	150,096.309
2021	526.502	154,321.479
2022	526.502	157,716.102
2023	526.502	161,395.646
2024	526.502	165,529.701
2025	526.502	168,951.483
2026	526.502	172,745.179
2027	526.502	177,088.897
2028	526.502	181,508.535

PROGRAM NAME: COMMERCIAL RETENTION

Year	(a) Total Number of Customers	(b) Total Number of Eligible Customers	(c) Annual Number of Program Participants	(d) Cumulative Penetration Level %	(e) Cumulative Number of Program Participants
2019	38,226	38,226	279	0.7%	279
2020	39,271	39,271	285	1.4%	564
2021	40,315	40,315	293	2.1%	858
2022	41,352	41,352	300	2.8%	1,157
2023	42,383	42,383	307	3.5%	1,464
2024	43,408	43,408	314	4.1%	1,778
2025	44,448	44,448	321	4.7%	2,099
2026	45,503	45,503	328	5.3%	2,427
2027	46,573	46,573	336	5.9%	2,763
2028	47,660	47,660	345	6.5%	3,108

PROGRAM TITLE:

**INPUT DATA - PART 1
Commercial Retention
Load Reduction**

- (1) Life of Program 20 Years
- (2) Average therms consumed by Appliance (s) 4,276 Therms
- (3) Program peak consumption per installed Appliance:
 - Summer 0 Therms
 - Winter 0 Therms
- (4) Appliances Installed per Program 214 Units/Year
- (5) Average Number of Participants per Year 214 Participants/Year
- (6) Avoided annual kWh per Appliance 0 kWh
- (6)a Avoided demand kW per Appliance 0.000 kW
- (7) Avoided annual Therms per Appliance 1,030 Therms/Year
- (8) Incentive payment per Appliance 2,022 \$
- (9) Other Costs not identified in C.B. Forms
- (10) Escalation Rates:
 - Gas and Pipeline 2.00 %
 - Capital 2.00 %
 - O&M 2.20 %

Commercial Retention Load Reduction Calculated Benefit to Cost Ratios	
(1) Participant Cost Test (PCT)	4.094
(2) Gas-Rate Impact Measure Test (G-RIM)	1.009

Participant Cost Test (PCT) (Load Reduction)
Program: Commercial Retention

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Benefits					Costs					
	Energy Charge Savings	Gas Charge Savings	Tax Credits	Utility Rebate	Other Benefits	Total Benefits	Net Customer Equipment Costs	Net Customer Gas Installation Costs	Incremental O&M Costs	Total Costs	Net Benefits
Year											
2019	263	246	0	2,022	0	2,532	1,607	0	0	1,607	924
2020	269	252	0	0	0	521	0	0	0	0	521
2021	275	257	0	0	0	532	0	0	0	0	532
2022	281	263	0	0	0	544	0	0	0	0	544
2023	287	269	0	0	0	556	0	0	0	0	556
2024	293	275	0	0	0	568	0	0	0	0	568
2025	300	281	0	0	0	581	0	0	0	0	581
2026	306	287	0	0	0	593	0	0	0	0	593
2027	313	293	0	0	0	606	0	0	0	0	606
2028	320	300	0	0	0	620	0	0	0	0	620
2029	327	306	0	0	0	633	0	0	0	0	633
2030	334	313	0	0	0	647	0	0	0	0	647
2031	342	320	0	0	0	662	0	0	0	0	662
2032	349	327	0	0	0	676	0	0	0	0	676
2033	357	334	0	0	0	691	0	0	0	0	691
2034	365	342	0	0	0	706	0	0	0	0	706
2035	373	349	0	0	0	722	0	0	0	0	722
2036	381	357	0	2,022	0	2,760	2,327	0	0	2,327	433
2037	389	365	0	0	0	754	0	0	0	0	754
2038	398	373	0	0	0	770	0	0	0	0	770
Nominal	6,523		0	4,044	0	16,675	3,934	0	0	3,934	
NPV:	3,757		0	2,754	0	10,028	2,450	0	0	2,450	
Discount rate:		0.0616									
				Total PV of Benefits		10,028			Total PV of Costs	2,450	
									PCT	4.094	

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Gas - Rate Impact Measure Test (G-RIM)
 Program: Commercial Retention

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 February 16, 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Benefits								Costs					
Energy Charge	Gas Charge	Incremental Cust Charge	Avoided Main	Avoided Meter/Regulator	Avoided Depreciation	Avoided Taxes	Total Benefits	Energy Charge	Gas Charge	Rebate/ Incentive	Admin Cost	Total Cost	Net Benefits
YEAR													
2019	817	246	208	0	0	0	1,272	817	246	2022	31	3,117	(1,845)
2020	835	252	213	0	0	0	1,300	835	252	0	0	1,087	213
2021	854	257	217	0	0	0	1,328	854	257	0	0	1,111	217
2022	872	263	222	0	0	0	1,358	872	263	0	0	1,135	222
2023	892	269	227	0	0	0	1,387	892	269	0	0	1,160	227
2024	911	275	232	0	0	0	1,418	911	275	0	0	1,186	232
2025	931	281	237	0	0	0	1,449	931	281	0	0	1,212	237
2026	952	287	242	0	0	0	1,481	952	287	0	0	1,239	242
2027	973	293	248	0	0	0	1,514	973	293	0	0	1,266	248
2028	994	300	253	0	0	0	1,547	994	300	0	0	1,294	253
2029	1,016	306	259	0	0	0	1,581	1,016	306	0	0	1,322	259
2030	1,038	313	264	0	0	0	1,616	1,038	313	0	0	1,351	264
2031	1,061	320	270	0	0	0	1,651	1,061	320	0	0	1,381	270
2032	1,085	327	276	0	0	0	1,688	1,085	327	0	0	1,412	276
2033	1,108	334	282	0	0	0	1,725	1,108	334	0	0	1,443	282
2034	1,133	342	288	0	0	0	1,763	1,133	342	0	0	1,474	288
2035	1,158	349	295	0	0	0	1,801	1,158	349	0	0	1,507	295
2036	1,183	357	301	0	0	0	1,841	1,183	357	2022	45	3,607	(1,766)
2037	1,209	365	308	0	0	0	1,882	1,209	365	0	0	1,574	308
2038	1,236	373	315	0	0	0	1,923	1,236	373	0	0	1,608	315
NOMINAL	20,259	6,108		0	0	0	31,524	20,259	6,108	4,044		30,487	1,037
NPV:	11,667	3,517		0	0	0	18,155	11,667	3,517	2,754		17,986	169
Discount rate:		0.0616											
							Total PV of Benefits	18,155				Total PV of Costs	17,986
												G-RIM	1.009

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Program: Conservation Research and Development (R&D)

Program Start Date: October 1990

Program Description

This program is in response to Rule 25-17.001 (5) (f), F.A.C., that requires aggressive R&D projects be "...an ongoing part of the practice of every well managed utility's programs." It is also in support of FPSC Order No. 22176 dated November 14, 1989, requiring utilities to "...pursue research, development, and demonstration projects designed to promote energy efficiency and conservation." R&D activity will be conducted on proposed measures to determine the impact to the company and its ratepayers and may occur at customer premises, Peoples Gas System facilities or at independent test sites.

Program Participation Standards

Peoples Gas System is filing the program standards concurrently with this proposed Plan.

Program Eligible Measures

Most technology measures are eligible for consideration including green energy sources, energy efficient construction, heat recovery, space conditioning equipment, compressors, cooking, fuel cells, thermal energy storage systems, water heating, etc.

Program Costs

Program costs are estimated at \$125,000 per year for a five-year period. Expenses for a given year may exceed \$125,000; however, total program cost shall not exceed \$500,000 for the five-year period.

Program Monitoring and Evaluation

Peoples Gas System will monitor, evaluate, and report the results of this program through the company's annual Demand Side Management filings to the Commission.



Peoples Gas System

DSM Plan Program Standards

2019-2028

February 26, 2021

Program: Residential Customer Assisted Energy Audit

Program Participation Standards

1. Participation is available to any existing PGS residential customer located within PGS service area.
2. This audit will be advertised to residential customers demonstrating the benefits of participating.
3. There is no payment processing with this program.
4. There are no technical specifications on equipment eligibility with this program.
5. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Residential New Construction Program

Program Participation Standards

1. Participation is available to any new PGS customer with a new residence located in PGS service area.
2. Rebates:
 - \$200 per qualifying natural gas dryer/dryer stub.
 - \$300 per qualifying natural gas range or cooktop.
 - \$725 per qualifying natural gas central heating system. (Up to two rebates for the same type of natural gas heating system if two systems are installed.)
 - Water Heating: Up to two rebates for any combination of the following water heating systems.
 - \$550 per qualifying natural gas tank water heating system.
 - \$650 per qualifying natural gas ENERGY STAR tank water heating system.
 - \$700 per qualifying natural gas tankless water heating system.

The rebate paid cannot exceed the total cost of equipment, installation, and any associated piping and/or venting costs.

3. Non-qualifying equipment:
 - Used or refurbished equipment.
 - Outdoor kitchens.
 - Outdoor grills.
 - Firepits, fireplaces, and fire logs.
 - Point of service tankless water heaters.
4. Eligibility requirements:
 - Rebate allowances are for new single or multi-family residences.
 - Natural gas central heating system must be a thermostatically controlled vented system with blower.
 - Tankless water heating system must provide a minimum of five gallons per minute ("GPM").
 - Qualifying water heaters must have the ENERGY STAR certification or a thermal efficiency greater than 10 percent over current Florida Building Code and Federal Appliance Energy Efficiency Standards, whichever is greater.
5. The builder or developer will receive the rebate by PGS based upon the actual energy efficiency measure(s) installed. In the event of a customer installation with no builder or developer involvement, PGS will issue the rebate to the customer.
6. No payment shall be made by PGS until:
 - Appliances must be installed and in operational condition, apart from the dryer, which may be left as stubbed.
 - Certificate of occupancy must be issued for the premise.

- A complete and correct participant application has been submitted to the company.
7. PGS reserves the right to ask for additional information in the performance of the office verification before rebate payment is made, including performing a field verification of the installation.
 8. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Residential Retrofit

Program Participation Standards

1. Participation is available to any existing PGS residential customer located within PGS service area.
2. Rebates:
 - \$200 per qualifying natural gas dryer.
 - One rebate allowance is authorized per customer every 5 years.
 - \$300 per qualifying natural gas range/cooktop.
 - One rebate allowance is authorized per customer every 5 years. Up to two rebates are authorized for the same type of natural gas space conditioning, if two systems are installed.
 - \$550 per qualifying natural gas tank water heater.
 - One rebate allowance is authorized per customer every 6 years. Up to two rebates are authorized for the same type of natural gas water heater, if two systems are installed.
 - \$650 per qualifying natural gas ENERGY STAR tank water heater.
 - One rebate allowance is authorized per customer every 6 years. Up to two rebates are authorized for the same type of natural gas water heater, if two systems are installed.
 - \$700 per qualifying natural gas tankless water heater.
 - One rebate allowance is authorized per customer every 10 years. Up to two rebates are authorized for the same type of natural gas water heater, if two systems are installed.
 - \$725 per qualifying natural gas central heating system.
 - One rebate allowance is authorized per customer every 10 years. Up to two rebates are authorized for the same type of natural gas heating system if two systems are installed.
 - \$65 per qualifying natural gas space heater.
 - One rebate allowance is authorized per customer every 5 years. Up to two rebates are authorized for the same type of natural gas space heating, if two systems are installed.
 - \$500 per ton of installed qualifying natural gas space conditioning equipment.
 - One rebate allowance is authorized per customer every 5 years. Up to two rebates are authorized for the same type of natural gas space conditioning, if two systems are installed.

The rebate paid cannot exceed the total cost of equipment, installation, and any associated piping and/or venting costs.

3. Non-qualifying equipment:
 - Used or refurbished equipment.
 - Firepits, fireplaces, and fire logs.
 - Outdoor kitchen cooktops/ranges.
 - Outdoor grills.
 - Point of service tankless water heaters.
 - Portable space heating equipment.

4. Equipment eligibility requirements:
 - Natural gas central heating system must be a thermostatically controlled vented system with blower.
 - Qualifying ENERGY STAR water heaters must have the ENERGY STAR certification or an efficiency greater than 10 percent over current Florida Building Code and Federal Appliance Energy Efficiency Standards, whichever is greater.
 - Tankless water heating units must provide a minimum of five gallons per minute (GPM).
5. The contractor will subtract the rebate paid by PGS from the customer's total cost of equipment and installation. In the event of a customer installation with no contractor involvement, PGS will issue the rebate to the customer.
6. No payment shall be made by PGS until:
 - A complete and correct participant application has been submitted to the company within one year of the receipt purchase date.
 - Application must include:
 - Equipment purchase date
 - Equipment model number
 - Equipment serial number
 - ENERGY STAR product label (required for ENERGY STAR water heater only)
 - Equipment receipts that show paid in full
 - Contractor Invoices (if used) that show paid in full
7. PGS reserves the right to ask for additional information in the performance of the office verification before rebate payment is made, including performing a field verification of the installation.
8. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Residential Retention

Program Participation Standards

1. Participation is available to any existing PGS residential customer located within PGS service area.
2. Rebates:
 - \$100 per qualifying natural gas range/cooktop.
 - One rebate allowance is authorized per customer every 7 years. Up to two rebates are authorized for the same type of natural gas range/cooktop, if two systems are installed.
 - \$150 per qualifying natural gas dryer.
 - One rebate allowance is authorized per customer every 5 years.
 - \$350 per qualifying natural gas tank water heater.
 - One rebate allowance is authorized per customer every 6 years. Up to two rebates are authorized for the same type of natural gas water heater, if two systems are installed.
 - \$400 per qualifying natural gas ENERGY STAR tank water heater.
 - One rebate allowance is authorized per customer every 6 years. Up to two rebates are authorized for the same type of natural gas water heater, if two systems are installed.
 - \$500 per qualifying natural gas central heating system.
 - One rebate allowance is authorized per customer every 10 years. Up to two rebates are authorized for the same type of natural gas heating system if two systems are installed.
 - \$550 per qualifying natural gas tankless water heater.
 - One rebate allowance is authorized per customer every 10 years. Up to two rebates are authorized for the same type of natural gas water heater, if two systems are installed.
 - \$150 per ton of installed qualifying natural gas space conditioning equipment.
 - One rebate allowance is authorized per customer every 5 years. Up to two rebates are authorized for the same type of natural gas space conditioning, if two systems are installed.

The rebate paid cannot exceed the total cost of equipment, installation, and any associated piping and/or venting costs.

3. Non-qualifying equipment:
 - Used or refurbished equipment.
 - Firepits, fireplaces, and fire logs.
 - Outdoor kitchen cooktops/ranges.
 - Outdoor grills.
 - Point of service tankless water heaters.
 - Portable space conditioning equipment.
4. Equipment eligibility requirements:
 - Natural gas central heating system must be a thermostatically controlled vented system with blower.

- Qualifying ENERGY STAR water heaters must have the ENERGY STAR certification or an efficiency greater than 10 percent over current Florida Building Code and Federal Appliance Energy Efficiency Standards, whichever is greater.
 - Tankless water heating units must provide a minimum of five GPM.
5. The contractor will subtract the rebate paid by PGS from the customer's total cost of equipment and installation. In the event of a customer installation with no contractor involvement, PGS will issue the rebate to the customer.
 6. No payment shall be made by PGS until:
 - A complete and correct participant application has been submitted to the company within one year of the receipt purchase date.
 - Application must include:
 - Equipment purchase date
 - Equipment model number
 - Equipment serial number
 - ENERGY STAR product label (required for ENERGY STAR water heater only)
 - Equipment receipts that show paid in full
 - Contractor Invoices (if used) that show paid in full
 7. PGS reserves the right to ask for additional information in the performance of the office verification before rebate payment is made, including performing a field verification of the installation.
 8. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Commercial Walk-Through Energy Audit

Program Participation Standards

1. Participation is available to any existing PGS commercial/industrial customer located within participating PGS service areas, apart from natural gas fired cogeneration and interruptible customers, which are excluded from Natural Gas Conservation Cost Recovery (NGCCR) clause recovery.
2. This audit will be offered to PGS customers in response to a request for the service.
3. When applicable, customers are qualified for participation in other PGS conservation programs.
4. There is no payment processing with this program.
5. There are no technical specifications on equipment eligibility with this program.
6. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Commercial New Construction Program

Program Participation Standards

1. Participation is available to any existing PGS commercial/industrial customer located within PGS service area apart, from natural gas fired cogeneration and interruptible customers which are excluded from NGCCR clause recovery.
2. Rebates:
 - \$2,000 per qualifying natural gas range/cooktop system.
 - \$2,500 per qualifying natural gas dryer system.
 - \$3,500 per qualifying natural gas fryer system.
 - Water Heating:
 - \$2,500 per qualifying natural gas ENERGY STAR tank water heating system.
 - \$3,500 per qualifying natural gas tankless water heating system.

The rebate paid cannot exceed the total cost of equipment, installation, and any associated piping and/or venting costs.

3. Non-qualifying equipment:
 - Used or refurbished equipment.
 - Outdoor kitchens.
 - Outdoor grills.
 - Firepits, fireplaces, and fire logs.
4. Equipment eligibility requirements:
 - Natural gas central heating system must be a thermostatically controlled vented system with blower.
 - Tankless water heating system must provide a minimum of five GPM.
 - Appliance(s) must be ENERGY STAR certified, apart from:
 - Water heaters with a thermal efficiency greater than 10 percent over current Florida Building Code and Federal Appliance Energy Efficiency Standards whichever is greater also qualify for rebate.
 - Tankless water heaters with an efficiency of at least 82 percent also qualify for rebate.
5. The builder or developer will receive the rebate by PGS based upon the actual energy efficiency measure(s) installed. In the event of a customer installation with no builder or developer involvement, PGS will issue the rebate to the customer.
6. No payment shall be made by PGS until:
 - Appliances must be installed and in operational condition.
 - A complete and correct participant application has been submitted to the company.
 - Application must include:
 - All equipment model numbers
 - All equipment serial numbers
 - Equipment receipts that show paid in full
 - Contractor Invoices (if used) that show paid in full

7. PGS reserves the right to ask for additional information in the performance of the office verification before rebate payment is made, including performing a field verification of the installation.
8. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Commercial Retrofit

Program Participation Standards

1. Participation is available to any existing PGS commercial/industrial customer located within PGS service area, apart from natural gas fired cogeneration and interruptible customers which are excluded from NGCCR clause recovery.
2. Rebates:
 - \$2,000 per qualifying natural gas range/cooktop.
 - One rebate allowance is authorized per qualifying appliance every 6 years per customer. Multiple appliances are authorized for the same type of natural gas range/cooktop installed up to a capped total rebate amount of \$15,000 per year.
 - \$2,500 per qualifying natural gas dryer.
 - One rebate is authorized per qualifying appliance every 5 years per customer. Multiple appliances are authorized for the same type of natural gas dryer installed up to a capped total rebate amount of \$15,000 per year.
 - \$3,500 per qualifying natural gas fryer.
 - One rebate allowance is authorized per qualifying appliance every 6 years per customer. Multiple appliances are authorized for the same type of natural gas fryer installed up to a capped total rebate amount of \$15,000 per year.
 - \$2,500 for a new natural gas tank water heater that is replacing an existing electric tank water heater.
 - One rebate allowance is authorized per qualifying appliance every 7 years per customer. Multiple appliances are authorized for the same type of natural gas water heater installed up to a capped total rebate amount of \$15,000 per year.
 - \$3,500 per qualifying natural gas tankless water heater.
 - One rebate allowance is authorized per qualifying appliance every 10 years per customer. Multiple appliances are authorized for the same type of natural gas water heater installed up to a capped total rebate amount of \$15,000 per year.
 - \$500 per ton of installed qualifying natural gas space conditioning equipment.
 - One rebate allowance is authorized per qualifying appliance every 6 years per customer. Multiple appliances are authorized for the same type of natural gas space conditioning installed.

The rebate paid cannot exceed the total cost of equipment, installation, and any associated piping and/or venting costs.

3. Non-qualifying equipment:
 - Used or refurbished equipment.
 - Portable space conditioning equipment.
4. Equipment eligibility requirements:
 - Dryer(s), Fryer(s), and Range(s) must be ENERGY STAR certified.

- Water heater(s) must be ENERGY STAR certified or have a thermal efficiency greater than 10 percent over current Florida Building Code and Federal Appliance Energy Efficiency Standards whichever is greater.
 - Tankless water heater must provide a minimum of five GPM.
 - Tankless water heater must be ENERGY STAR certified or have an efficiency of 82 percent or greater.
5. The contractor will subtract the rebate paid by PGS from the customer's total cost of equipment and installation. In the event of a customer installation with no contractor involvement, PGS will issue the rebate to the customer.
6. No payment shall be made by PGS until:
- A complete and correct participant application has been submitted to the company within one year of the receipt purchase date.
 - Application must include:
 - Equipment purchase date
 - Equipment model number
 - Equipment serial number
 - Picture of equipment serial number
 - Picture of equipment after installation
 - Equipment receipts that show paid in full
 - Contractor Invoices (if used) that show paid in full
7. PGS reserves the right to ask for additional information in the performance of the office verification before rebate payment is made, including performing a field verification of the installation.
8. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Commercial Retrofit Combined Heat and Power Program

Program Participation Standards

1. Participation is available to any existing PGS commercial/industrial customer located within PGS service area apart from natural gas fired cogeneration and interruptible customers which are excluded from NGCCR clause recovery.
2. Rebates:
 - \$300 per kW of actual demand reduced of installed combined heat and power equipment. 50 percent of eligible rebate will be paid upon completion of project. The remaining 50 percent of rebate will be paid upon demonstrated satisfactory operation of waste heat recovery.
 - One rebate allowance is authorized per customer every 12 years per premise. Multiple appliances are authorized for the same type of natural gas heating system installed.

The rebate paid cannot exceed the total cost of equipment, installation, and any associated piping and/or venting costs.
3. Non-qualifying equipment:
 - Used or refurbished equipment.
4. Equipment eligibility requirements:
 - Combined heat and power equipment must be fueled from natural gas and utilize waste heat to displace portions of natural gas usage for on-site heating, cooling, or water heating.
 - Equipment must be rated at 1 MW or less.
5. The contractor will subtract the rebate paid by PGS from the customer's total cost of equipment and installation. In the event of a customer installation with no contractor involvement, PGS will issue the rebate to the customer.
6. No payment shall be made by PGS until:
 - A complete and correct participant application has been submitted to the company within one year of the receipt purchase date.
 - Application must include:
 - Equipment purchase date
 - Equipment ratings
 - Equipment model number
 - Equipment serial number
 - 12-months of historic electric and natural gas bills
 - Equipment receipts that show paid in full
 - Contractor Invoices (if used) that show paid in full
7. PGS reserves the right to ask for additional information in the performance of the office verification before rebate payment is made, including performing a field verification of the installation.
8. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Commercial Retrofit Electric Replacement Program

Program Participation Standards

- Participation is available to any existing PGS commercial/industrial customer located within PGS service area, apart from natural gas fired cogeneration and interruptible customers which are excluded from NGCCR clause recovery.
- Rebates:
 - \$100 per kW reduction for qualifying natural gas equipment.
 - Rebate amount paid up to the installation cost, including piping and venting where applicable.
- Non-qualifying equipment:
 - Used or refurbished equipment.
- There are no technical specifications on equipment eligibility with this program.
- PGS reserves the right to ask for additional information in the performance of the office verification before rebate payment is made, including performing a field verification of the installation.
- PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Commercial Retention

Program Participation Standards

1. Participation is available to any existing PGS commercial/industrial customer located within PGS service area, apart from natural gas fired cogeneration and interruptible customers which are excluded from NGCCR clause recovery.

2. Rebates:

- Up to the following rebate amounts per qualifying natural gas range/cooktop:

Equipment Cost	Eligible Rebate
\$0 to \$1,500	\$750
\$1,501 to \$3,000	\$1,000
\$3,001 and up	\$1,500

- One rebate allowance is authorized per qualifying appliance every 6 years per customer. Multiple appliances are authorized for the same type of natural gas range/cooktop installed up to a capped total rebate amount of \$15,000 per year.

- Up to the following rebate amounts per qualifying natural gas dryer:

Equipment Cost	Eligible Rebate
\$0 to \$1,500	\$750 rebate
\$1,501 to \$3,000	\$1,000 rebate
\$3,001 and up	\$2,000 rebate

- One rebate is authorized per qualifying appliance every 5 years per customer. Multiple appliances are authorized for the same type of natural gas dryer installed up to a capped total rebate amount of \$15,000 per year.

- Up to the following rebate amounts per qualifying natural gas fryer:

Equipment Cost	Eligible Rebate
\$0 to \$1,000	\$500
\$1,001 to \$2,000	\$750
\$2,001 to \$3,000	\$1,500
\$3,001 to \$4,000	\$2,000
\$4,001 and up	\$3,000

- One rebate allowance is authorized per qualifying appliance every 6 years per customer. Multiple appliances are authorized for the same type of natural gas fryer installed up to a capped total rebate amount of \$15,000 per year.

- Up to the following rebate amounts per qualifying natural gas tank water heater:

Equipment Cost	Eligible Rebate
\$0 to \$1,500	\$750 rebate
\$1,501 to \$3,000	\$1,000 rebate
\$3,001 and up	\$1,500 rebate

- One rebate allowance is authorized per qualifying appliance every 7 years per customer. Multiple appliances are authorized for the same type of natural gas water heater installed up to a capped total rebate amount of \$15,000 per year.

- Up to the following rebate amounts per qualifying natural gas tankless water heater:

Equipment Cost	Eligible Rebate
\$0 to \$1,500	\$750
\$1,501 to \$3,000	\$1,000
\$3,001 and up	\$2,000
- One rebate allowance is authorized per qualifying appliance every 10 years per customer. Multiple appliances are authorized for the same type of natural gas water heater installed up to a capped total rebate amount of \$15,000 per year
- \$150 per ton of installed qualifying natural gas space conditioning equipment.
 - One rebate allowance is authorized per qualifying appliance every 6 years per customer. Multiple appliances are authorized for the same type of natural gas space conditioning installed.

The rebate paid cannot exceed the total cost of equipment, installation, and any associated piping and/or venting costs.

3. Non-qualifying equipment:
 - Used or refurbished equipment.
 - Portable space conditioning equipment.
4. Equipment eligibility requirements:
 - Dryer(s), Fryer(s), and Range(s) must be ENERGY STAR certified.
 - Water heater(s) must be ENERGY STAR certified or have a thermal efficiency greater than 10 percent over current Florida Building Code and Federal Appliance Energy Efficiency Standards whichever is greater.
 - Tankless water heater must provide a minimum of five GPM.
 - Tankless water heater must be ENERGY STAR certified or have an efficiency of 82 percent or greater.
5. The contractor will subtract the rebate paid by PGS from the customer's total cost of equipment and installation. In the event of a customer installation with no contractor involvement, PGS will issue the rebate to the customer.
6. No payment shall be made by PGS until:
 - A complete and correct participant application has been submitted to the company within one year of the receipt purchase date.
 - Application must include:
 - Equipment purchase date
 - Equipment model number
 - Equipment serial number
 - Picture of equipment serial number
 - Picture of equipment after installation
 - Equipment receipts that show paid in full
 - Contractor Invoices (if used) that show paid in full
7. PGS reserves the right to ask for additional information in the performance of the office verification before rebate payment is made, including performing a field verification of the installation.

8. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.

Program: Conservation Research and Development (R&D)

Program Participation Standards

1. Measures for R&D can be residential or commercial in nature and may be either new in the marketplace or existing measures which meet the criteria below:
 - The proposed measure has the potential to affect PGS or its ratepayers.
 - Sufficient data is not currently available to evaluate the impact of the proposed measure.
 - Data on the proposed measure is available but is not relevant to the Florida climate zones.
2. Equipment eligibility requirements:
 - Most technology measures are eligible for consideration including energy efficient construction, heat recovery, space conditioning equipment, cooking, water heating, etc.
3. PGS will report the expenses and participation of this program through the company's annual Demand Side Management filings to the Commission.