

April 4, 2024

VIA ELECTRONIC FILING

Ms. A. Shonta Dunston
Chief Clerk
North Carolina Utilities Commission
430 N. Salisbury Street, Dobbs Building
Raleigh, North Carolina 27603

Re: Docket No. G-9, Sub 837

Dear Ms. Dunston:

On April 3, 2024, Piedmont Natural Gas Company, Inc. (“Piedmont” or the “Company”) filed its general rate case application, along with its pre-filed testimony in support of the application and its Form G-1 in the above-captioned docket. Piedmont hereby submits the attached schedules as a supplement to Item 5 of the Company’s Form G-1 filing.

Originally, Piedmont had intended to treat these schedules as workpapers rather than exhibits to the Form G-1. Accordingly, Piedmont did not file them as part of the Form G-1 but did provide them as part of discovery in response to Public Staff Data Request No. 1-7. After further discussion with Public Staff, Piedmont acknowledges that these documents were identified as “Attachments” to Item 5 and, therefore, it is reasonable, based on that designation, that they would be filed with the Form G-1. In light of this conclusion, the Company wishes to supplement its G-1 to include the schedules as part of the filing.

Thank you for your assistance with this matter. If you have any questions regarding this filing, you may reach me at the number shown above.

Sincerely,

/s/ James H. Jeffries IV
James H. Jeffries IV

JHJ:bms

cc: Chris Ayers
Megan Jost
Davia Newell
Brian Heslin
Pia Powers
Brian Franklin
Mason Maney

CERTIFICATE OF SERVICE

The undersigned hereby certifies that a copy of the attached is being served this date upon all parties to this docket either electronically or by depositing a copy of the same in the United States Mail, First Class Postage Prepaid, at the addresses contained in the official service list in this proceeding.

This, the 4th day of April, 2024.

/s/ Brooke M. Szymanski
Brooke M. Szymanski

**PIEDMONT NATURAL GAS COMPANY, INC.
DOCKET NO. G-9, SUB 837
GENERAL RATE CASE
MINIMUM FILING REQUIREMENTS
APRIL 4, 2024**

**G-1 ITEM 5
ATTACHMENT 3**

2023 SERVICE COMPANY COST ALLOCATION DETAILS COST ALLOCATIONS IN SERVICE AGREEMENTS							Total DEC	Total DEP	Total DEF	DEI Total	DEK Total	DEO Total	Total Comm Trans-Elec	Total Electric Utilities	
1. Information Systems	Development and support of mainframe computer software applications. Procurement and support of personal computers and related network and Development and support of distributed computer software applications (e.g., servers). Installation and operation of communications systems.	Number of Central	DEMF	Information Systems	Mainframe Svcs Ent DUK	DENTCUMFR	D05	-	-	-	7.18	1.06	5.85	-	14.09
		No. of Personal Computer	DWSE	Information Systems	Worksta Svcs Enterprise DUK	DENTWKSWS	D06	41.62	27.39	14.10	4.72	0.17	1.37	-	89.37
		Number of Info Systems Servers	DESS	Information Systems	Server Svcs Enterprise DUK	DENTSYSSVR	D07	25.96	16.35	22.41	10.35	1.82	5.59	-	82.48
		Ratio	UTSS	Information Systems	Server Svcs Utility	UTISYSVSR	S13	26.21	16.47	22.60	10.42	1.83	5.64	-	83.17
		Number of Employees Ratio	DETS	Information Systems	Telecom Svcs Enterprise DUK	DENTEMPTTEL	D33	37.92	24.95	14.95	6.63	0.46	1.76	-	86.67
	Information systems management and support services.	No. of Personal Computer Workstations Ratio	DUTS	Information Systems	Telecom Svcs Utility	DUTIEMPTTEL	D34	38.91	25.59	15.33	6.81	0.48	1.80	-	88.92
			DEHD	Information Systems	Helpdesk Services DUK	DENTEMPHLP	D33	37.92	24.95	14.95	6.63	0.46	1.76	-	86.67
			ENMA	Information Systems	ITS Mgt & Apps Svcs Ent	ENT3FFITM	S35	41.62	27.39	14.10	4.72	0.17	1.37	-	89.37
			DEMA	Information Systems	ITS Mgt & Apps Svcs Ent DE	DENT3FFITM	D35	41.62	27.39	14.10	4.72	0.17	1.37	-	89.37
			PRMA	Information Systems	ITS Mgt & Apps Svcs Ent PE	PRE3FFITM	P35	41.62	27.39	14.10	4.72	0.17	1.37	-	89.37
2. Meters	Procures, tests and maintains meters.	Number of	DEMS	Meters	Meter Svcs Utility DE	DUTICUSMTR	D14	28.25	17.07	19.53	8.94	1.51	7.56	-	82.86
			DUVE	Transportation	Transp Vehicles Utility DE	DUTIEMPVEH	D10	39.31	25.86	15.61	6.96	0.73	1.78	-	90.25
			DGAV	Transportation	Transp Aviation Gvrnce	DGOV3FFAVI	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
3. Transportation	Procures and maintains vehicles and equipment.	Three Factor Formula	DEAV	Transportation	Transp Aviation Svcs Ent DE	DENT3FFAVI	D03	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
			UGEG	Power Engineering & Construction	Eng & Constr Gas Util MW only	UTMCONGAS	S64	-	-	-	-	-	-	-	-
7. Power Engineering	Designs, monitors and supports the construction of electric generation	(Electric Production	DGHR	Human Resources	HR Svcs Gvrnce	DGOVEMPHRS	DG2	38.31	25.21	15.22	6.78	0.71	1.74	-	87.97
			DHRE	Human Resources	HR Services Enterprise DE	DENTEMPHRS	D04	38.31	25.21	15.22	6.78	0.71	1.74	-	87.97
8. Human Resources	Establishes and administers policies and supervises compliance with legal requirements in the areas of	Number of Employees Ratio	UTHR	Human Resources	HR Services Utility	UTIEMPHRS	S38	39.31	25.86	15.61	6.96	0.73	1.78	-	90.25
			DUSC	Materials Management	Mats Mgmt Sply Chn Util DE	DUTIPROSPC	D19	36.03	18.57	19.87	9.76	0.95	2.52	0.01	87.71
9. Supply Chain	Procurement of materials and contract services and vendor payment processing.	Procurement Spending Ratio	DESC	Materials Management	Mats Mgmt Sply Chain Ent DE	DENTPROSPC	D08	33.83	17.50	18.66	9.16	0.89	2.37	0.01	82.42
			10. Facilities	Operates and maintains office and service buildings. Provides security and housekeeping services for such buildings and procures office furniture and equipment.	Square Footage Ratio	GORE	Facilities	RE Facility Svcs CLT GO	CLTSQFFAC	S27	51.44	33.83	0.29	-	0.03
CNRE	Facilities	RE Fac Svcs - Cincinnati				CINSQFFAC	S50	16.19	10.65	0.89	8.28	-	9.45	-	45.46
PLRE	Facilities	RE Fac Svcs - Plainfield				PLDSQFFAC	S51	10.19	6.70	0.71	78.22	-	-	-	95.82
DERE	Facilities	RE Facility Services Ent DE				DENT3FFAC	D39	42.58	28.01	12.29	4.94	-	0.31	-	88.13

2023 SERVICE COMPANY COST ALLOCATION DETAILS COST ALLOCATIONS IN SERVICE AGREEMENTS																
		Allocation						Total PNG	Total DEK- Gas	Total DEO- Gas	Total Comm Trans - Gas	Gas Utilities Total	Comm Pwr 75601	Comm Pwr 75650	Comm Pwr Total	Other 10147
1.	Information Systems	Development and support of mainframe computer software applications. Procurement and support of personal computers and related network and Development and support of distributed computer software applications (e.g., servers). Installation and operation of communications systems.	<i>Number of Central No. of Personal Computer Number of Info Systems Servers Ratio</i>	DEMF	Information Systems	Mainframe Svcs Ent DUK	DENTCUMFR	D05	81.65	0.80	3.46	-	85.91	-	-	-
				DWSE	Information Systems	Worksta Svcs Enterprise DUK	DENTWKSWS	D06	6.79	0.14	0.57	-	7.50	-	2.01	2.01
				DESS	Information Systems	Server Svcs Enterprise DUK	DENTSYSVR	D07	11.30	0.98	3.49	-	15.77	-	0.35	0.35
				UTSS	Information Systems	Server Svcs Utility	UTISYSVR	S13	11.42	0.98	3.52	-	15.92	-	-	-
				DETS	Information Systems	Telecom Svcs Enterprise DUK	DENTEMPTL	D33	8.58	0.38	0.72	-	9.68	-	2.52	2.52
				DUTS	Information Systems	Telecom Svcs Utility	DUTIEMPTL	D34	8.80	0.38	0.74	-	9.92	-	-	-
				DEHD	Information Systems	Helpdesk Services DUK	DENTEMPHLP	D33	8.58	0.38	0.72	-	9.68	-	2.52	2.52
				ENMA	Information Systems	ITS Mgt & Apps Svcs Ent	ENT3FFITM	S35	6.79	0.14	0.57	-	7.50	-	2.01	2.01
				DEMA	Information Systems	ITS Mgt & Apps Svcs Ent DE	DENT3FFITM	D35	6.79	0.14	0.57	-	7.50	-	2.01	2.01
				PRMA	Information Systems	ITS Mgt & Apps Svcs Ent PE	PRE3FFITM	P35	6.79	0.14	0.57	-	7.50	-	2.01	2.01
				DELH	Information Systems	Duke Energy Lighthouse	DUWKSITM	D11	6.93	0.15	0.58	-	7.66	-	-	-
				DUMA	Information Systems	ITS Mgt & Apps Svcs Util DE	DUTI3FFITM	D36	6.79	0.14	0.57	-	7.50	-	2.01	2.01
2.	Meters	Procures, tests and maintains meters.	<i>Number of</i>	DEMS	Meters	Meter Svcs Utility DE	DUTICUSMTR	D14	11.59	1.04	4.51	-	17.14	-	-	-
3.	Transportation	Procures and maintains vehicles and equipment.	<i>Number of</i>	DUVE	Transportation	Transp Vehicles Utility DE	DUTIEMPVH	D10	8.80	0.14	0.81	-	9.75	-	-	-
				DGAV	Transportation	Transp Aviation Gvrnce	DGOV3FFAVI	DG1	6.36	0.44	1.61	0.03	8.44	3.30	-	3.30
				DEAV	Transportation	Transp Aviation Svcs Ent DE	DENT3FFAVI	D03	6.36	0.44	1.61	0.03	8.44	-	3.30	3.30
7.	Power Engineering	Designs, monitors and supports the construction of electric generation	<i>(Electric Production</i>	UGEG	Power Engineering & Construction	Eng & Constr Gas Util MW only	UTMCONGAS	S64	74.51	5.69	19.80	-	100.00	-	-	-
8.	Human Resources	Establishes and administers policies and supervises compliance with legal requirements in the areas of	<i>Number of Employees Ratio</i>	DGHR	Human Resources	HR Svcs Gvrnce	DGOVEMPHRS	DG2	8.58	0.14	0.79	-	9.51	2.52	-	2.52
				DHRE	Human Resources	HR Services Enterprise DE	DENTEMPHRS	D04	8.58	0.14	0.79	-	9.51	-	2.52	2.52
				UTHR	Human Resources	HR Services Utility	UTIEMPHRS	S38	8.80	0.14	0.81	-	9.75	-	-	-
				DUSC	Materials Management	Matts Mgmt Sply Chn Util DE	DUTIPROSPC	D19	8.68	0.55	2.74	-	11.97	-	-	-
9.	Supply Chain	Procurement of materials and contract services and vendor payment processing.	<i>Procurement Spending Ratio</i>	DESC	Materials Management	Matts Mgmt Sply Chain Ent DE	DENTPROSPC	D08	8.16	0.52	2.57	-	11.25	-	5.97	5.97
10.	Facilities	Operates and maintains office and service buildings. Provides security and housekeeping services for such buildings and procures office furniture and equipment.	<i>Square Footage Ratio</i>	GORE	Facilities	RE Facility Svcs CLT GO	CLTSQFFAC	S27	13.14	-	0.01	0.59	13.74	-	0.38	0.38
				CNRE	Facilities	RE Fac Svcs - Cincinnati	CINSQFFAC	S50	25.81	-	4.29	2.27	32.37	-	22.17	22.17
				PLRE	Facilities	RE Fac Svcs - Plainfield	PLDSQFFAC	S51	0.53	-	-	-	0.53	-	3.65	3.65
				DERE	Facilities	RE Facility Services Ent DE	DENT3FFAC	D39	9.80	-	0.14	0.47	10.41	-	1.46	1.46

2023 SERVICE COMPANY COST ALLOCATION DETAILS COST ALLOCATIONS IN SERVICE AGREEMENTS										Other 10157	Other 20013	Other 75620	Other 75696	Other 75771	Other 75773	Other 75777	Other 75963	Other Total	Total
1. Information Systems	Development and support of mainframe computer software applications. Procurement and support of personal computers and related network and Development and support of distributed computer software applications (e.g., servers). Installation and operation of communications systems.	Number of Central Computer Number of Info Systems Servers Ratio Number of Employees Ratio	DEMF	Information Systems	Mainframe Svcs Ent DUK	DENTCPUMFR	D05	-	-	-	-	-	-	-	-	-	-	-	100.00
			DWSE	Information Systems	Worksta Svcs Enterprise DUK	DENTWKSWSK	D06	-	1.12	-	-	-	-	-	-	-	1.12	-	100.00
			DESS	Information Systems	Server Svcs Enterprise DUK	DENTSYSSVR	D07	-	1.40	-	-	-	-	-	-	-	1.40	-	100.00
			UTSS	Information Systems	Server Svcs Utility	UTISYSSVR	S13	-	0.91	-	-	-	-	-	-	-	0.91	-	100.00
			DETS	Information Systems	Telecom Svcs Enterprise DUK	DENTEMPTL	D33	-	1.13	-	-	-	-	-	-	-	1.13	-	100.00
			DUTS	Information Systems	Telecom Svcs Utility	DUTIEMPTL	D34	-	1.16	-	-	-	-	-	-	-	1.16	-	100.00
			DEHD	Information Systems	Helpdesk Services DUK	DENTEMPHL	D33	-	1.13	-	-	-	-	-	-	-	1.13	-	100.00
			ENMA	Information Systems	ITS Mgt & Apps Svcs Ent	ENT3FFITM	S35	-	1.12	-	-	-	-	-	-	-	1.12	-	100.00
			DEMA	Information Systems	ITS Mgt & Apps Svcs Ent DE	DENT3FFITM	D35	-	1.12	-	-	-	-	-	-	-	1.12	-	100.00
			PRMA	Information Systems	ITS Mgt & Apps Svcs Ent PE	PRE3FFITM	P35	-	1.12	-	-	-	-	-	-	-	1.12	-	100.00
2. Meters	Procures, tests and maintains meters.	Number of	DEMS	Meters	Meter Svcs Utility DE	DUTICUSMTR	D14	-	-	-	-	-	-	-	-	-	-	-	100.00
			DUVE	Transportation	Transp Vehicles Utility DE	DUTIEMPVH	D10	-	-	-	-	-	-	-	-	-	-	-	100.00
			DGAV	Transportation	Transp Aviation Gvrnce	DGOV3FFAVI	DG1	-	-	-	-	-	0.06	-	-	0.06	-	100.00	
			DEAV	Transportation	Transp Aviation Svcs Ent DE	DENT3FFAVI	D03	-	-	-	0.05	-	0.01	-	-	-	0.06	-	100.00
			UGEG	Power Engineering & Construction	Eng & Constr Gas Util MW only	UTMCONGAS	S64	-	-	-	-	-	-	-	-	-	-	-	100.00
			DGHR	Human Resources	HR Svcs Gvrnce	DGOVEMPHRS	DG2	-	-	-	-	-	-	-	-	-	-	-	100.00
			DHRE	Human Resources	HR Services Enterprise DE	DENTEMPHRS	D04	-	-	-	-	-	-	-	-	-	-	-	100.00
			UTHR	Human Resources	HR Services Utility	UTIEMPHRS	S38	-	-	-	-	-	-	-	-	-	-	-	100.00
			DUSC	Materials Management	Mats Mgmt Sply Chn Util DE	DUTIPROSPC	D19	-	-	-	0.31	-	0.01	-	-	-	0.32	-	100.00
			DESC	Materials Management	Mats Mgmt Sply Chain Ent DE	DENTPROSPC	D08	-	-	0.06	0.29	-	0.01	-	-	-	0.36	-	100.00
10. Facilities	Operates and maintains office and service buildings. Provides security and housekeeping services for such buildings and procures office furniture and equipment.	Square Footage Ratio	GORE	Facilities	RE Facility Svcs CLT GO	CLTSQFFAC	S27	-	-	-	-	-	-	-	-	-	-	-	100.00
			CNRE	Facilities	RE Fac Svcs - Cincinnati	CINSQFFAC	S50	-	-	-	-	-	-	-	-	-	-	-	100.00
			PLRE	Facilities	RE Fac Svcs - Plainfield	PLDSQFFAC	S51	-	-	-	-	-	-	-	-	-	-	-	100.00
			DERE	Facilities	RE Facility Services Ent DE	DENT3FFAC	D39	-	-	-	-	-	-	-	-	-	-	-	100.00

2023 SERVICE COMPANY COST ALLOCATION DETAILS COST ALLOCATIONS IN SERVICE AGREEMENTS																
Line #	Accounting	Description	Allocation	Code	Category	Sub-Category	Code	Code	Total DEC	Total DEP	Total DEF	DEI Total	DEK Total	DEO Total	Total Comm	Total Electric Utilities
															Trans-Elec	
11.	Accounting	Maintains the books and records of Duke Energy Corporation and its affiliates, prepares financial and statistical reports, prepares tax filings and supervises compliance with the laws and regulations.	Three Factor Formula	DGAC	Accounting	Accounting Gvrnce	DGOV3FFACT	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				DEAC	Accounting	Accounting Svcs Ent DE	DENT3FFACT	D03	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
				UTAC	Accounting	Acctg Svcs Utility	UTI3FFACT	S09	34.64	22.96	18.15	10.49	1.19	3.82	-	91.25
				DDEP	Accounting	DEBS Depreciation DE	DENT3FFDEP	D49	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
				PNYG	Accounting	Special Governance DE	GOV3FFCTAP	DG7	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				PNGG	Accounting	Special Governance Gas Only	GOV3FFCTAPG	DG6	-	-	-	-	-	-	-	-
			GSAC	Accounting	Accounting Gas Only	UTI3FFGACT	DG3	-	-	-	-	-	-	-	-	
		Rate of Return - Allocates the Service Company's portion of the utilities chargeback for affiliate use of space.	Three Factor Formula	DURR	Facilities Rate of Return Allocation	Facilities ROR Gvrnce DE	DGOVEMPROR	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
13.	Public Affairs	Prepares and disseminates information to employees, customers, government officials, communities and the media.	Three Factor Formula	DGPA	Public Affairs	Pub Affrs Gvrnce	DGOV3FFPAF	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				DGPP	Public Affairs	Public Policy Gvrnce	DGOV3FFPPO	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				DEPA	Public Affairs	Public Affairs Services Ent DE	DENT3FFPAF	D03	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
14.	Legal	Utility Specific Activities Renders services relating to labor and employment law, litigation, contracts,	Weighted Average Three Factor Formula	UTPA	Public Affairs	Public Affairs Services Utilit	UTICUSPAF	S24	33.78	21.46	17.57	7.95	1.12	4.67	-	86.55
				ENLE	Legal	Legal Governance	GOV3FFLEG	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				UTLE	Legal	Legal Services Utility	UTI3FFLEG	S09	34.64	22.96	18.15	10.49	1.19	3.82	-	91.25
15.	Rates	Determines the Client Companies' Rates	Sales Ratio	UTRA	Rates	Rates Utility	UTISALRAT	S44	28.52	20.12	14.20	9.85	1.30	6.48	-	80.47
				DGFI	Finance	Financial Svcs Gvrnce	DGOV3FFFIN	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
16.	Finance	Renders services to Client Companies with respect to investments, financing, cash management, risk management.	Three Factor Formula	DEFI	Finance	Financial Svcs DE	DENT3FFFIN	D03	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
				UTFI	Finance	Financial Services Utility	UTI3FFFIN	S09	34.64	22.96	18.15	10.49	1.19	3.82	-	91.25
				DGIA	Internal Auditing	Internal Audit Gvrnce	DGOV3FFIAU	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
18.	Internal Auditing	Reviews internal controls and procedures to ensure that assets are safeguarded & that transactions are properly authorized.	Three Factor Formula	DUIA	Internal Auditing	Intrnl Audit Svcs Utility DE	DUTI3FFIAU	D09	34.64	22.96	18.15	10.49	1.19	3.82	-	91.25
				DGEA	Environmental, Environmental, Health and Safety	Envir Affrs Gvrnce	DGOV3FFENV	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
19.	Environmental, Health and Safety	Establishes policies and procedures and governance framework for compliance with environmental, health and safety utility specific activities.	Three Factor Formula	ENEA	Environmental, Environmental, Health and Safety	Enviro Affairs Svcs Ent	ENT3FFENV	S46	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
				UTEA	Environmental, Environmental, Health and Safety	Enviro Affairs Svcs Utility	UTISALENV	S47	28.52	20.12	14.20	9.85	1.30	6.48	-	80.47
				DGIR	Investor Relations	Investor Rel Gvrnce	DGOV3FFINV	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
21.	Investor Planning	Provides communications to investors	Three Factor Formula	DGPS	Planning	Planning Svcs Gvrnce	DGOV3FFPLN	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				DGCD	Planning	Corp Dvlpmnt Gvrnce	DGOV3FFCDO	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				DEPS	Planning	Planning Svcs Enterprise DE	DENT3FFPLN	D03	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
				DUPS	Planning	Planning Svcs Utility DE	DUTI3FFPLN	D09	34.64	22.96	18.15	10.49	1.19	3.82	-	91.25
23.	Executive	Provides general administrative and executive management services.	Three Factor Formula	DGEX	Executive	Exec Governance	DGOV3FFEXC	DG1	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				ENEX	Executive	Exec Services Enterprise	ENT3FFEXC	S03	33.48	22.22	17.54	10.13	1.14	3.69	-	88.20
				UTEX	Executive	Exec Services Utility	UTI3FFEXC	S09	34.64	22.96	18.15	10.49	1.19	3.82	-	91.25
				DGEP	Executive	ESP Other Governance	DGOV3FFESP	DG7	33.48	22.21	17.54	10.13	1.14	3.69	-	88.19
				DEAI	Interest	Acctg Interest Svc Enterprise	DENTINTACT	D52	32.20	18.42	12.88	16.02	2.72	7.63	0.01	89.88

2023 SERVICE COMPANY COST ALLOCATION DETAILS COST ALLOCATIONS IN SERVICE AGREEMENTS																	
No	Allocation	Allocation	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting	Accounting			
															Total PNG	Total DEK- Gas	Total DEO- Gas
11.	Accounting	Maintains the books and records of Duke Energy Corporation and its affiliates, prepares financial and statistical reports, prepares tax filings and supervises compliance with the laws and regulations.	Three Factor Formula	DGAC DEAC UTAC DDEP	Accounting Accounting Accounting Accounting	Accounting Gvrnce Accounting Svcs Ent DE Acctg Svcs Utility DEBS Depreciation DE	DGOV3FFACT DENT3FFACT UT13FFACT DENT3FFDEP	DG1 D03 S09 D49	6.36 6.36 6.60 6.36	0.44 0.44 0.45 0.44	1.61 1.61 1.67 1.61	0.03 0.03 0.03 0.03	8.44 8.44 8.75 8.44	- - - 3.30	- - - 3.30	3.30 3.30 - 3.30	0.01 - - -
				PNYG PNGG	Accounting Accounting	Special Governance DE Special Governance Gas Only	GOV3FFCTAP GOV3FCTAPG	DG7 DG6	6.36 76.12	0.44 5.12	1.61 18.76	0.03 -	8.44 100.00	- -	- -	- -	- -
		Rate of Return - Allocates the Service Company's portion of the utilities chargeback for affiliate use of space.	Three Factor Formula	GSAC DURR	Accounting Facilities Rate of Return Allocation	Accounting Gas Only Facilities ROR Gvrnce DE	UT13FFGACT DGOVEMPROR	GD3 DG1	76.12 6.36	5.12 0.44	18.76 1.61	- 0.03	100.00 8.44	- 3.30	- -	- 3.30	- 0.01
13.	Public Affairs	Prepares and disseminates information to employees, customers, government officials, communities and the media.	Three Factor Formula	DGPA DGPP DEPA	Public Affairs Public Affairs Public Affairs	Pub Affrs Gvrnce Public Policy Gvrnce Public Affairs Services Ent DE	DGOV3FFPAF DGOV3FFPPO DENT3FFPAF	DG1 DG1 D03	6.36 6.36 6.36	0.44 0.44 0.44	1.61 1.61 1.61	0.03 0.03 0.03	8.44 8.44 8.44	3.30 3.30 -	- - 3.30	3.30 3.30 3.30	0.01 0.01 -
14.	Legal	Utility Specific Activities Renders services relating to labor and employment law, litigation, contracts.	Weighted Average Three Factor Formula	UTPA ENLE UTLE	Public Affairs Legal Legal	Public Affairs Services Utilit Legal Governance Legal Services Utility	UTICUSPAF GOV3FFLEG UT13FFLEG	S24 DG1 S09	10.20 6.36 6.60	0.59 0.44 0.45	2.66 1.61 1.67	- 0.03 0.03	13.45 8.44 8.75	- 3.30 -	- - -	- 3.30 -	- 0.01 -
15.	Rates	Determines the Client Companies'	Sales Ratio	UTRA	Rates	Rates Utility	UTISALRAT	S44	10.29	1.44	7.80	-	19.53	-	-	-	-
16.	Finance	Renders services to Client Companies with respect to investments, financing, cash management, risk management.	Three Factor Formula	DGFI DEFI UTFI	Finance Finance Finance	Financial Svcs Gvrnce Financial Svcs DE Financial Services Utility	DGOV3FFFIN DENT3FFFIN UT13FFFIN	DG1 D03 S09	6.36 6.36 6.60	0.44 0.44 0.45	1.61 1.61 1.67	0.03 0.03 0.03	8.44 8.44 8.75	3.30 -	- 3.30 -	3.30 3.30 -	0.01 - -
18.	Internal Auditing	Reviews internal controls and procedures to ensure that assets are safeguarded & that transactions are properly authorized.	Three Factor Formula	DGIA DUJA	Internal Auditing Internal Auditing	Internal Audit Gvrnce Intrnl Audit Svcs Utility DE	DGOV3FFIAU DUTI3FFIAU	DG1 D09	6.36 6.60	0.44 0.45	1.61 1.67	0.03 0.03	8.44 8.75	3.30 -	- -	3.30 -	0.01 -
19.	Environmental, Health and Safety	Establishes policies and procedures and governance framework for compliance with environmental, health and safety Utility Specific Activities	Three Factor Formula	DGEA ENEA	Environmental, Environmental, Health and Safety	Envir Affrs Gvrnce Enviro Affairs Svcs Ent	DGOV3FFENV ENT3FFENV	DG1 S46	6.36 6.36	0.44 0.44	1.61 1.61	0.03 0.03	8.44 8.44	3.30 -	- 3.30	3.30 3.30	0.01 -
21.	Investor	Provides communications to investors.	Sales Ratio	UTEA	Environmental, Investor Relations	Enviro Affairs Svcs Utility Investor Rel Gvrnce	UTISALENV DGOV3FFINV	S47 DG1	10.29 6.36	1.44 0.44	7.80 1.61	- 0.03	19.53 8.44	- 3.30	- -	- 3.30	- 0.01
22.	Planning	Facilitates preparation of strategic and operating plans, monitors trends and evaluates business opportunities.	Three Factor Formula	DGPS DGCD DEPS	Planning Planning Planning	Planning Svcs Gvrnce Corp Dvlpmnt Gvrnce Planning Svcs Enterprise DE	DGOV3FFPLN DGOV3FFCDO DENT3FFPLN	DG1 DG1 D03	6.36 6.36 6.36	0.44 0.44 0.44	1.61 1.61 1.61	0.03 0.03 0.03	8.44 8.44 8.44	3.30 -	- 3.30 3.30	3.30 3.30 3.30	0.01 - -
				DUPS	Planning	Planning Svcs Utility DE	DUTI3FFPLN	D09	6.60	0.45	1.67	0.03	8.75	-	-	-	-
23.	Executive	Provides general administrative and executive management services.	Three Factor Formula	DGEX ENEX UTEX	Executive Executive Executive	Exec Governance Exec Services Enterprise Exec Services Utility	DGOV3FFEXC ENT3FFEXC UT13FFEXC	DG1 S03 S09	6.36 6.36 6.60	0.44 0.44 0.45	1.61 1.61 1.67	0.03 0.03 0.03	8.44 8.44 8.75	3.30 -	- 3.30 -	3.30 3.30 -	0.01 - -
				DGEP	Executive	ESP Other Governance	DGOV3FFESP	DG7	6.36	0.44	1.61	0.03	8.44	-	-	-	-
	Interest	Allocates Interest		DEAI	Interest	Acctg Interest Svc Enterprise	DENTINTACT	D52	5.42	0.45	1.87	0.04	7.78	2.34	-	2.34	-

**PIEDMONT NATURAL GAS COMPANY, INC.
DOCKET NO. G-9, SUB 837
GENERAL RATE CASE
MINIMUM FILING REQUIREMENTS
APRIL 4, 2024**

**G-1 ITEM 5
ATTACHMENT 4**

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Piedmont 2-State Fixed Gas Cost and LNG Allocator
For the Test Period Ending December 31, 2023

	<u>BASE LOAD FACTOR</u>	<u>HEAT SENSITIVITY FACTOR</u>	<u>DECEMBER 2023 CUSTOMERS</u>	<u>DESIGN DAY DTs</u>
<u>NORTH CAROLINA</u>				
Design Day Temperature (F)	6.7			
Design Day HDD	58.3			
Rate Schedule 101 - Residential	0.82432	0.01395	732,885	615,891
Rate Schedule 102 - Small General	13.78640	0.06573	73,284	314,042
Rate Schedule 143 / 102 - Small General Motor Fuel	100.67684	-	7	23
Rate Schedule 152 - Medium General	664.01104	0.90536	423	31,561
Rate Schedules 103, 113 - Firm Large General	7,192.49825	3.22826	369	156,704
Rate Schedules 143 / 103, 143 / 113 - Firm Large General Motor Fuel	7,366.21722	-	13	3,148
Rate Schedule T-10 - Firm Military	-	-	-	-
Firm Municipals	125,465.72988	367.92880	3	76,725
Total North Carolina Design Day Dts				1,198,096

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Piedmont 2-State Fixed Gas Cost and LNG Allocator
For the Test Period Ending December 31, 2023

	<u>BASE LOAD FACTOR</u>	<u>HEAT SENSITIVITY FACTOR</u>	<u>DECEMBER 2023 CUSTOMERS</u>	<u>DESIGN DAY DTs</u>
<u>SOUTH CAROLINA</u>				
Design Day Temperature (F)	6.7			
Design Day HDD	58.3			
Rate Schedule 201 - Residential	0.83252	0.01463	148,792	131,024
Rate Schedule 202 - Small General	11.90654	0.06330	15,124	61,737
Rate Schedule 243 / 202 - Small General Motor Fuel	8.40833	-	1	0
Rate Schedule 252 - Medium General	674.44537	0.98165	94	7,464
Rate Schedules 203, 213 - Firm Large General	4,030.42708	1.37733	68	14,471
Rate Schedules 243 / 203 Firm Large General Motor Fuel	2,807.84583	-	2	185
Contract - Firm Large General	21,987.61667	-	1	723
Total South Carolina Design Day Dts				215,603
Grand Total Carolinas Design Day Dts				1,413,699
North Carolina Proforma Allocation %				84.75%
South Carolina Proforma Allocation %				15.25%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Residential Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

RESIDENTIAL - 101

YEAR	MONTH	CUST	THERMS	ADD 15-15	DT/CUST	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	726,502	81,458,168.0	692.2	11.2		
2023	Feb	728,028	60,498,720.0	534.6	8.3		
2023	Mar	728,856	38,944,053.0	315.8	5.3		
2023	Apr	728,302	33,041,656.0	240.1	4.5		
2023	May	727,538	14,879,011.0	88.8	2.0		
2023	Jun	726,333	10,418,119.0	18.0	1.4		
2023	Jul	724,627	7,490,221.0	-	1.0		
2023	Aug	724,143	6,303,291.0	-	0.9		
2023	Sep	723,478	6,987,327.0	-	1.0		
2023	Oct	724,575	9,593,694.0	47.3	1.3		
2023	Nov	728,380	25,174,968.0	276.7	3.5		
2023	Dec	732,885	54,410,696.0	515.2	7.4		
						0.013949649	0.824316096
						0.00064886	0.211482254
						0.978822278	0.524844147
	WINTER	3,644,651	260,486,605	2,334.5			
	SUMMER	5,078,996	88,713,319	394.2			
	TOTAL	8,723,647	349,199,924	2,728.7			

RESIDENTIAL - 101

BASE FACTOR 0.824316096
HEAT FACTOR 0.013950
CORRELATION 98%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Small General Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

SMALL GENERAL - 102

(excludes Rate Schedule 143/102 Motor Vehicle Fuel)

YEAR	MONTH	CUST	THERMS	ADD 15-15	DT/CUST	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	73,232	46,777,046.0	692.2	63.9		
2023	Feb	73,332	36,261,772.0	534.6	49.4		
2023	Mar	73,305	25,377,718.0	315.8	34.6		
2023	Apr	73,102	24,035,584.0	240.1	32.9		
2023	May	73,056	14,127,484.0	88.8	19.3		
2023	Jun	72,830	12,205,265.0	18.0	16.8		
2023	Jul	72,649	10,388,676.0	-	14.3		
2023	Aug	72,601	9,691,112.0	-	13.3		
2023	Sep	72,510	11,492,482.0	-	15.8		
2023	Oct	72,453	11,912,636.0	47.3	16.4		
2023	Nov	72,762	17,892,815.0	276.7	24.6		
2023	Dec	73,284	31,763,180.0	515.2	43.3		
						0.065729316	13.78639865
						0.004166557	1.358001486
						0.961369813	3.370207746
	WINTER	365,915	158,072,531	2,334.5			
	SUMMER	509,201	93,853,239	394.2			
	TOTAL	875,116	251,925,770	2,728.7			

SMALL GENERAL - 102

(excludes Rate Schedule 143/102 Motor Vehicle Fuel)

BASE FACTOR 13.78639865
HEAT FACTOR 0.065729
CORRELATION 96%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Experimental Motor Vehicle Fuel Service - Bills, Volumes and Regression Analysis
For the Test Period Ending December 31, 2023

**EXPERIMENTAL MOTOR VEHICLE FUEL
SMALL GENERAL - 143 / 102**

YEAR	MONTH	CUST (a)	THERMS (b)	ADD 15-15	DT/CUST	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	9	9,640.0	692.2	107.1		
2023	Feb	9	4,129.0	534.6	45.9		
2023	Mar	9	4,145.0	315.8	46.1		
2023	Apr	9	14,209.0	240.1	157.9		
2023	May	9	9,124.0	88.8	101.4		
2023	Jun	8	6,900.0	18.0	86.3		
2023	Jul	7	2,249.0	-	32.1		
2023	Aug	7	8,533.0	-	121.9		
2023	Sep	7	10,480.0	-	149.7		
2023	Oct	7	5,860.0	47.3	83.7		
2023	Nov	7	9,004.0	276.7	128.6		
2023	Dec	7	11,370.0	515.2	162.4		
						0.010384053	99.56077675
						0.057796428	18.83753022
						0.003217601	46.74986804
	WINTER	41	38,288	2,334.5			
	SUMMER	54	57,355	394.2			
	TOTAL	95	95,643	2,728.7			

**EXPERIMENTAL MOTOR VEHICLE FUEL
SMALL GENERAL - 143 / 102**

BASE FACTOR 99.56077675
HEAT FACTOR 0.010384
CORRELATION 0%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Medium General Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

MEDIUM GENERAL - 152

Excludes certain bills for proforma adjustment

YEAR	MONTH	CUST	THERMS	ADD 15-15	DT/CUST	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	431	5,779,446.0	692.2	1,340.9		
2023	Feb	430	4,938,092.0	534.6	1,148.4		
2023	Mar	432	4,170,922.0	315.8	965.5		
2023	Apr	430	4,098,600.0	240.1	953.2		
2023	May	425	3,001,413.0	88.8	706.2		
2023	Jun	432	3,018,132.0	18.0	698.6		
2023	Jul	427	2,442,631.0	-	572.0		
2023	Aug	429	2,795,244.0	-	651.6		
2023	Sep	423	3,182,693.0	-	752.4		
2023	Oct	426	3,250,149.0	47.3	762.9		
2023	Nov	422	3,420,694.0	276.7	810.6		
2023	Dec	423	4,552,286.0	515.2	1,076.2		
	WINTER	2,138	22,861,440			0.905363011	664.0110365
	SUMMER	2,992	21,788,862			0.081101507	26.43333045
	TOTAL	5,130	44,650,302	2,728.7		0.925716817	65.60067567

MEDIUM GENERAL - 152

BASE FACTOR 664.0110365
HEAT FACTOR 0.905363
CORRELATION 93%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Firm Large General Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

FIRM LARGE GENERAL

(excludes Rate Schedule Motor Vehicle Fuel)

YEAR	MONTH	CUST	THERMS	ADD 1-31*	DT/CUST	REGRESSION ANALYSIS		
						HEAT	BASE	
2023	Jan	366	34,597,413.0	546.9	9,452.8			3,459,741
2023	Feb	367	30,093,764.0	352.8	8,199.9			3,009,376
2023	Mar	370	31,505,631.0	356.9	8,515.0			3,150,563
2023	Apr	370	28,862,766.0	147.2	7,800.7			2,886,277
2023	May	369	29,127,888.0	49.8	7,893.7			2,912,789
2023	Jun	372	27,086,185.0	0.8	7,281.2			2,708,619
2023	Jul	374	25,485,755.0	-	6,814.4			2,548,576
2023	Aug	375	26,901,020.0	-	7,173.6			2,690,102
2023	Sep	374	26,118,393.0	3.0	6,983.5			2,611,839
2023	Oct	372	28,619,547.0	143.0	7,693.4			2,861,955
2023	Nov	372	30,035,748.0	434.8	8,074.1			3,003,575
2023	Dec	369	32,516,831.0	562.1	8,812.1			3,251,683
						3.228260692	7192.498248	
						0.45438254	137.6060988	
						0.834648007	333.4050549	
	WINTER	1,844	158,749,387	2,253.5				
	SUMMER	2,606	192,201,554	343.8				
	TOTAL	4,450	350,950,941	2,597.3				

FIRM LARGE GENERAL

(excludes Rate Schedule Motor Vehicle Fuel)

BASE FACTOR 7192.498248
HEAT FACTOR 3.228261
CORRELATION 83%

* Computed using actual 1 - 31 degree days through December 31, 2023.

TARIFF FIRM LARGE GENERAL PULLED FROM PROFORMA REVENUES FILE

LARGE GENERAL SALES SERVICE - 103

(excludes Rate Schedule 143/103 Motor Vehicle Fuel)

YEAR	MONTH	CUST (a)	THERMS (b)	DEMAND THERMS (c)	DT/CUST
2023	Feb	90	2,452,448	180,220	2,724.9
2023	Mar	96	2,695,602	183,740	2,807.9
2023	Apr	95	2,303,808	182,420	2,425.1
2023	May	95	2,315,664	182,920	2,437.5
2023	Jun	105	2,517,276	211,930	2,397.4
2023	Jul	106	2,412,672	213,360	2,276.1
2023	Aug	107	2,543,327	214,690	2,376.9
2023	Sep	106	2,435,489	213,360	2,297.6
2023	Oct	106	2,839,390	203,050	2,678.7
2023	Nov	105	3,127,036	214,370	2,978.1
2023	Dec	105	3,334,200	214,370	3,175.4
	WINTER	487	14,414,817	967,920	
	SUMMER	720	17,367,626	1,421,730	
	TOTAL	1,207	31,782,443	2,389,650	

Data Input Section		
CUST (# of bills)	DTs	DEMAND DTs
91	280,553	17,522
90	245,245	18,022
96	269,560	18,374
95	230,381	18,242
95	231,566	18,292
105	251,728	21,193
106	241,267	21,336
107	254,333	21,469
106	243,549	21,336
106	283,939	20,305
105	312,704	21,437
105	333,420	21,437

LARGE GENERAL TRANSPORTATION SERVICE - 113
(excludes Rate Schedule 143/113 Motor Vehicle Fuel)

Data Input Section

YEAR	MONTH	CUST (a)	THERMS (b)	DEMAND THERMS (c)	DT/CUST
2023	Jan	275	31,791,882	1,480,200.0	11,560.7
2023	Feb	277	27,641,316	1,486,420.0	9,978.8
2023	Mar	274	28,810,029	1,488,460.0	10,514.6
2023	Apr	275	26,558,958	1,484,980.0	9,657.8
2023	May	274	26,812,224	1,484,980.0	9,785.5
2023	Jun	267	24,568,909	1,522,210.0	9,201.8
2023	Jul	268	23,073,083	1,522,210.0	8,609.4
2023	Aug	268	24,357,693	1,524,210.0	9,088.7
2023	Sep	268	23,682,904	1,523,710.0	8,836.9
2023	Oct	266	25,780,157	1,521,570.0	9,691.8
2023	Nov	267	26,908,712	1,522,070.0	10,078.2
2023	Dec	264	29,182,631	1,522,070.0	11,054.0
WINTER		1,357	144,334,570	7,499,220	
SUMMER		1,886	174,833,928	10,583,870	
TOTAL		3,243	319,168,498	18,083,090	

CUST (# of bills)	DTs	DEMAND DTs
275	3,179,188	148,020
277	2,764,132	148,642
274	2,881,003	148,846
275	2,655,896	148,498
274	2,681,222	148,498
267	2,456,891	152,221
268	2,307,308	152,221
268	2,435,769	152,421
268	2,368,290	152,371
266	2,578,016	152,157
267	2,690,871	152,207
264	2,918,263	152,207

- (a) Industrial customers billed source is 620 B reports.
- (b) Sales therms source is Frequency Distribution reports (as adjusted by Gas Acct).
- (c) Demand therms source is ZCSDEMND-C reports.

FIRM LARGE GENERAL MOTOR FUEL

YEAR	MONTH	CUST	THERMS	ADD 1-31*	DT/CUST	REGRESSION ANALYSIS	
						HEAT	BASE
2020	Jan	12	932,500.0	546.9	7,770.8		
2020	Feb	12	844,288.0	352.8	7,035.7		
2020	Mar	12	968,206.0	356.9	8,068.4		
2020	Apr	12	872,438.0	147.2	7,270.3		
2020	May	12	938,120.0	49.8	7,817.7		
2020	Jun	13	897,128.0	0.8	6,901.0		
2020	Jul	13	909,153.0	-	6,993.5		
2020	Aug	13	996,383.0	-	7,664.5		
2020	Sep	13	911,404.0	3.0	7,010.8		
2020	Oct	13	953,393.0	143.0	7,333.8		
2020	Nov	13	953,921.0	434.8	7,337.9		
2020	Dec	13	946,054.0	562.1	7,277.3		
	WINTER	62	4,644,969	2,253.5		0.513466183	7262.337173
	SUMMER	89	6,478,019	343.8		0.51298524	155.3534553
	TOTAL	151	11,122,988	2,597.3		0.091064102	376.4050268

FIRM LARGE GENERAL MOTOR FUEL

BASE FACTOR 7262.337173
HEAT FACTOR 0.513466
CORRELATION 9%

* Computed using actual 1 - 31 degree days through December 31, 2023.

TARIFF FIRM LARGE GENERAL MOTOR FUEL PULLED FROM PROFORMA REVENUES FILE:

**EXPERIMENTAL MOTOR VEHICLE FUEL
LARGE GENERAL SALES - 143 / 103**

YEAR	MONTH	CUST (a)	THERMS (b)	DEMAND THERMS (c)	DT/CUST
2020	Jan	3	220,125.0	8,460.0	7,337.5
2020	Feb	3	192,821.0	8,460.0	6,427.4
2020	Mar	3	212,431.0	8,460.0	7,081.0
2020	Apr	3	210,068.0	8,460.0	7,002.3
2020	May	3	225,640.0	8,460.0	7,521.3
2020	Jun	3	191,128.0	10,190.0	6,370.9
2020	Jul	3	224,524.0	10,190.0	7,484.1
2020	Aug	3	239,020.0	10,190.0	7,967.3
2020	Sep	3	219,728.0	10,190.0	7,324.3
2020	Oct	3	231,116.0	10,190.0	7,703.9
2020	Nov	3	213,731.0	10,190.0	7,124.4
2020	Dec	3	203,700.0	10,190.0	6,790.0
	WINTER	15	1,042,808	45,760	
	SUMMER	21	1,541,224	67,870	
	TOTAL	36	2,584,032	113,630	

**EXPERIMENTAL MOTOR VEHICLE FUEL
LARGE GENERAL TRANSPORTATION - 143 / 113**

YEAR	MONTH	CUST (a)	THERMS (b)	DEMAND THERMS (c)	DT/CUST
2020	Jan	9	712,375.0	41,570.0	7,915.3
2020	Feb	9	651,467.0	41,570.0	7,238.5
2020	Mar	9	755,775.0	41,570.0	8,397.5
2020	Apr	9	662,370.0	41,570.0	7,359.7
2020	May	9	712,480.0	41,570.0	7,916.4
2020	Jun	10	706,000.0	41,510.0	7,060.0
2020	Jul	10	684,629.0	41,510.0	6,846.3
2020	Aug	10	757,363.0	43,010.0	7,573.6
2020	Sep	10	691,676.0	42,010.0	6,916.8
2020	Oct	10	722,277.0	42,010.0	7,222.8
2020	Nov	10	740,190.0	42,010.0	7,401.9
2020	Dec	10	742,354.0	42,010.0	7,423.5
	WINTER	47	3,602,161	208,730	
	SUMMER	68	4,936,795	293,190	
	TOTAL	115	8,538,956	501,920	

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Firm Military Tariff - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

TARIFF FIRM MILITARY *There is no active service on this rate schedule*

<u>YEAR</u>	<u>MONTH</u>	<u>CUST</u>	<u>THERMS</u>	<u>ADD</u> <u>1-31*</u>	<u>DT/CUST</u>	<u>REGRESSION ANALYSIS</u>	
						<u>HEAT</u>	<u>BASE</u>
2020	Jan	-	-	546.9	#DIV/0!		
2020	Feb	-	-	352.8	#DIV/0!		
2020	Mar	-	-	356.9	#DIV/0!		
2020	Apr	-	-	147.2	#DIV/0!		
2020	May	-	-	49.8	#DIV/0!		
2020	Jun	-	-	0.8	#DIV/0!		
2020	Jul	-	-	-	#DIV/0!		
2020	Aug	-	-	-	#DIV/0!		
2020	Sep	-	-	3.0	#DIV/0!		
2020	Oct	-	-	143.0	#DIV/0!		
2020	Nov	-	-	434.8	#DIV/0!		
2020	Dec	-	-	562.1	#DIV/0!		
						#VALUE!	#VALUE!
						#VALUE!	#VALUE!
						#VALUE!	#VALUE!
	WINTER	-	-	2,254			
	SUMMER	-	-	344			
	TOTAL	-	-	2,597			

TARIFF FIRM MILITARY

BASE FACTOR #VALUE!
HEAT FACTOR #VALUE!
CORRELATION #VALUE!

* Computed using actual 1 - 31 degree days through December 31, 2023.

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Firm Military Tariff - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

TARIFF FIRM MILITARY PULLED FROM PROFORMA REVENUES FILE:

MILITARY OPERATIONS TRANSPORTATION T-10 - 675

<u>YEAR</u>	<u>MONTH</u>	<u>CUST (a)</u>	<u>THERMS (b)</u>	<u>DEMAND THERMS (c)</u>	<u>DT/CUST</u>
2020	Jan	-	-	-	#DIV/0!
2020	Feb	-	-	-	#DIV/0!
2020	Mar	-	-	-	#DIV/0!
2020	Apr	-	-	-	#DIV/0!
2020	May	-	-	-	#DIV/0!
2020	Jun	-	-	-	#DIV/0!
2020	Jul	-	-	-	#DIV/0!
2020	Aug	-	-	-	#DIV/0!
2020	Sep	-	-	-	#DIV/0!
2020	Oct	-	-	-	#DIV/0!
2020	Nov	-	-	-	#DIV/0!
2020	Dec	-	-	-	#DIV/0!
	WINTER	-	-	-	
	SUMMER	-	-	-	
	TOTAL	-	-	-	

Piedmont Natural Gas Company, Inc.
 Docket No. G-9, Sub 837
 Firm Military Tariff - Bills, Volumes & Regression Analysis
 For the Test Period Ending December 31, 2023

MILITARY INSTALLATIONS IN ONSLOW COUNTY SALES 12 - 667

(No sales for 2020)

<u>YEAR</u>	<u>MONTH</u>	<u>CUST (a)</u>	<u>THERMS (b)</u>	<u>DT/CUST</u>
2020	Jan	-	-	#DIV/0!
2020	Feb	-	-	#DIV/0!
2020	Mar	-	-	#DIV/0!
2020	Apr	-	-	#DIV/0!
2020	May	-	-	#DIV/0!
2020	Jun	-	-	#DIV/0!
2020	Jul	-	-	#DIV/0!
2020	Aug	-	-	#DIV/0!
2020	Sep	-	-	#DIV/0!
2020	Oct	-	-	#DIV/0!
2020	Nov	-	-	#DIV/0!
2020	Dec	-	-	#DIV/0!
	WINTER	-	-	
	SUMMER	-	-	
	TOTAL	-	-	

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Firm Military Tariff - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

MILITARY INSTALLATIONS IN ONSLOW COUNTY TRANSPORTATION T-12 - 676

(No transportation usage for 2020)

<u>YEAR</u>	<u>MONTH</u>	<u>CUST (a)</u>	<u>THERMS (b)</u>	<u>DT/CUST</u>
2020	Jan	-	-	#DIV/0!
2020	Feb	-	-	#DIV/0!
2020	Mar	-	-	#DIV/0!
2020	Apr	-	-	#DIV/0!
2020	May	-	-	#DIV/0!
2020	Jun	-	-	#DIV/0!
2020	Jul	-	-	#DIV/0!
2020	Aug	-	-	#DIV/0!
2020	Sep	-	-	#DIV/0!
2020	Oct	-	-	#DIV/0!
2020	Nov	-	-	#DIV/0!
2020	Dec	-	-	#DIV/0!
	WINTER	-	-	
	SUMMER	-	-	
	TOTAL	-	-	

(a) Industrial customers billed source is Frequency Distribution reports.

(b) Sales therms source is Frequency Distribution reports.

(c) Demand therms source is ZCSDEMND-C reports.

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Firm Municipal - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

FIRM MUNICIPAL

<u>YEAR</u>	<u>MONTH</u>	<u>CUST</u>	<u>THERMS</u>	<u>ADD 1-31*</u>	<u>DT/CUST</u>	<u>REGRESSION ANALYSIS</u>	
						<u>HEAT</u>	<u>BASE</u>
2020	Jan	3	9,844,614.0	546.9	328,153.8		
2020	Feb	3	7,778,653.0	352.8	259,288.4		
2020	Mar	3	7,634,179.0	356.9	254,472.6		
2020	Apr	3	4,969,743.0	147.2	165,658.1		
2020	May	3	4,425,119.0	49.8	147,504.0		
2020	Jun	3	3,471,867.0	0.8	115,728.9		
2020	Jul	3	3,483,372.0	-	116,112.4		
2020	Aug	3	4,128,657.0	-	137,621.9		
2020	Sep	3	4,366,392.0	3.0	145,546.4		
2020	Oct	3	5,556,977.0	143.0	185,232.6		
2020	Nov	3	7,137,197.0	434.8	237,906.6		
2020	Dec	3	11,039,537.0	562.1	367,984.6		
						367.928801	125465.7299
						28.95583135	8769.040715
						0.941676163	21246.4602
	WINTER	15	43,434,180	2,253.5			
	SUMMER	21	30,402,127	343.8			
	TOTAL	36	73,836,307	2,597.3			

FIRM MUNICIPAL

BASE FACTOR 125465.7299
HEAT FACTOR 367.928801
CORRELATION 94%

* Computed using actual 1 - 31 degree days through December 31, 2023.

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Residential Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

SOUTH CAROLINA JURISDICTION ANALYSIS

RESIDENTIAL - 201

	<u>MONTH</u>	<u>CUST</u>	<u>THERMS</u>	<u>ADD 15-15</u>	<u>MMBTU/Cust</u>	<u>REGRESSION ANALYSIS</u>	
						<u>HEAT</u>	<u>BASE</u>
2023	Jan	145,946	17,177,840	688.9	11.769997		
2023	Feb	146,220	12,911,227	522.5	8.830001		
2023	Mar	146,537	7,605,433	271.7	5.190111		
2023	Apr	146,381	7,090,418	255.7	4.843810		
2023	May	146,505	3,485,016	98.4	2.378769		
2023	Jun	146,543	2,149,126	19.2	1.466550		
2023	Jul	146,503	1,625,020	1.3	1.109206		
2023	Aug	146,754	1,346,209	-	0.917324		
2023	Sep	146,714	1,466,341	-	0.999455		
2023	Oct	147,059	1,819,269	43.5	1.237101		
2023	Nov	147,799	4,809,314	274.1	3.253956		
2023	Dec	148,792	10960220.0	515.0	7.366135	0.01463486	0.832520984
		<u>1,761,753</u>	<u>72,445,433</u>	<u>2,690.3</u>		0.000877666	0.282026908
						0.965283503	0.699907889
	WINTER	735,294	53,464,034	2,272.2			
	SUMMER	1,026,459	18,981,399	418.1			
	TOTAL	<u>1,761,753</u>	<u>72,445,433</u>	<u>2,690.3</u>			

RESIDENTIAL - 201

BASE FACTOR 0.832520984
HEAT FACTOR 0.014635
CORRELATION 96.53%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Small General Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

SOUTH CAROLINA JURISDICTION ANALYSIS

SMALL GENERAL - 202

(excludes Rate Schedule 243/202 Motor Vehicle Fuel)

	MONTH	CUST	THERMS	ADD 15-15	MMBTU/Cust	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	15,095	9,154,014	688.9	60.642690		
2023	Feb	15,125	7,109,873	522.5	47.007425		
2023	Mar	15,154	4,648,023	271.7	30.671922		
2023	Apr	15,110	4,480,357	255.7	29.651602		
2023	May	15,076	2,832,293	98.4	18.786767		
2023	Jun	15,059	2,265,028	19.2	15.041025		
2023	Jul	15,016	2,006,461	1.3	13.362154		
2023	Aug	14,996	1,763,733	-	11.761356		
2023	Sep	14,954	1,960,639	-	13.111134		
2023	Oct	14,947	2,074,160	43.5	13.876765		
2023	Nov	15,015	3,157,291	274.1	21.027579		
2023	Dec	15,124	5,784,150.0	515.0	38.244843		
		<u>180,671</u>	<u>47,236,022</u>	<u>2,690.3</u>		0.063304013	11.90653943
						0.004861536	1.562193902
						0.944307357	3.876906089
	WINTER	75,513	29,853,351	2,272.2			
	SUMMER	105,158	17,382,671	418.1			
	TOTAL	<u>180,671</u>	<u>47,236,022</u>	<u>2,690.3</u>			

Bills	DT's
15,095	915,401.4
15,125	710,987.3
15,154	464,802.3
15,110	448,035.7
15,076	283,229.3
15,059	226,502.8
15,016	200,646.1
14,996	176,373.3
14,954	196,064
14,947	207,416
15,015	315,729
15,124	578,415

SMALL GENERAL - 202

(excludes Rate Schedule 243/202 Motor Vehicle Fuel)

BASE FACTOR 11.90653943
HEAT FACTOR 0.063304
CORRELATION 94.43%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Small General Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

SOUTH CAROLINA JURISDICTION ANALYSIS
EXPERIMENTAL MOTOR VEHICLE FUEL
SMALL GENERAL - 243 / 202

	MONTH	CUST	THERMS	ADD 15-15	MMBTU/Cust	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	1	34	688.9	3.400000		
2023	Feb	1	117	522.5	11.700000		
2023	Mar	1	159	271.7	15.900000		
2023	Apr	1	22	255.7	2.200000		
2023	May	1	48	98.4	4.800000		
2023	Jun	1	43	19.2	4.300000		
2023	Jul	1	84	1.3	8.400000		
2023	Aug	1	97	-	9.700000		
2023	Sep	1	111	-	11.100000		
2023	Oct	1	66	43.5	6.600000		
2023	Nov	1	81	274.1	8.100000		
2023	Dec	1	147.0	515.0	14.700000		
		<u>12</u>	<u>1,009</u>	<u>2,690.3</u>		0.00213971	7.928628098
						0.005738726	1.844068018
						0.013711439	4.576434791
	WINTER	5	538	2,272.2			
	SUMMER	7	471	418.1			
	TOTAL	<u>12</u>	<u>1,009</u>	<u>2,690.3</u>			

Bills	DT's
1	3.4
1	11.7
1	15.9
1	2.2
1	4.8
1	4.3
1	8.4
1	9.7
1	11
1	7
1	8
1	15

EXPERIMENTAL MOTOR VEHICLE FUEL
SMALL GENERAL - 243 / 202

BASE FACTOR 7.928628098
HEAT FACTOR 0.002140
CORRELATION 1.4%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Medium General Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

SOUTH CAROLINA JURISDICTION ANALYSIS

MEDIUM GENERAL - 252

	MONTH	CUST	THERMS	ADD 15-15	MMBTU/Cust	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	83	1,106,330	688.9	1332.927711		
2023	Feb	83	978,000	522.5	1178.313253		
2023	Mar	83	845,960	271.7	1019.228916		
2023	Apr	83	859,176	255.7	1035.151807		
2023	May	83	703,088	98.4	847.093976		
2023	Jun	93	677,683	19.2	728.691398		
2023	Jul	94	633,756	1.3	674.208511		
2023	Aug	95	589,480	-	620.505263		
2023	Sep	94	589,899	-	627.552128		
2023	Oct	94	628,013	43.5	668.098936		
2023	Nov	95	801,693	274.1	843.887368		
2023	Dec	94	1,089,098	515.0	1158.614894	0.981648772	674.4453724
		1,074	9,502,176	2,690.3		0.08267011	26.56501005
						0.93377428	65.92654667
	WINTER	438	4,821,081	2,272.2			
	SUMMER	636	4,681,095	418.1			
	TOTAL	1,074	9,502,176	2,690.3			

Bills	DT's
83	110,633.0
83	97,800.0
83	84,596.0
83	85,917.6
83	70,308.8
93	67,768.3
94	63,375.6
95	58,948.0
94	58,990
94	62,801
95	80,169
94	108,910

MEDIUM GENERAL - 252

BASE FACTOR 674.4453724
HEAT FACTOR 0.981649
CORRELATION 93.38%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Firm Large General Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

SOUTH CAROLINA JURISDICTION ANALYSIS

FIRM LARGE GENERAL SERVICE - 203 & 213

	MONTH	CUST	THERMS	ADD 1-31 *	MMBTU/Cust	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	71	3,407,606	534.7	4799.445070		
2023	Feb	71	3,198,914	332.0	4505.512676		
2023	Mar	71	3,190,184	331.5	4493.216901		
2023	Apr	71	2,972,708	172.6	4186.912676		
2023	May	71	3,063,200	50.0	4314.366197		
2023	Jun	67	2,612,144	1.3	3898.722388		
2023	Jul	69	2,602,735	-	3772.079710		
2023	Aug	68	2,920,819	-	4295.322059		
2023	Sep	70	2,706,310	1.1	3866.157143		
2023	Oct	68	3,013,452	141.5	4431.547059		
2023	Nov	68	3,099,807	425.0	4558.539706		
2023	Dec	68	3,243,103	570.3	4769.269118	1.377330364	4030.427081
		833	36,030,982	2,560.0		0.234329797	69.78293019
						0.775522351	168.6637456
	WINTER	349	16,139,614	2,193.5			
	SUMMER	484	19,891,368	366.5			
	TOTAL	833	36,030,982	2,560.0			

Bills	DT's
71	340,760.6
71	319,891.4
71	319,018.4
71	297,270.8
71	306,320.0
67	261,214.4
69	260,273.5
68	292,081.9
70	270,631.0
68	301,345.2
68	309,980.7
68	324,310.3

FIRM LARGE GENERAL SERVICE - 203 & 213

BASE FACTOR 4030.427081
HEAT FACTOR 1.377330
CORRELATION 77.55%

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Firm Large General Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

**SOUTH CAROLINA JURISDICTION ANALYSIS
EXPERIMENTAL MOTOR VEHICLE FUEL
FIRM LARGE GENERAL SERVICE - 243 / 203**

	MONTH	CUST	THERMS	ADD 1-31 *	MMBTU/Cust	REGRESSION ANALYSIS	
						HEAT	BASE
2023	Jan	2	58,503	534.7	2925.150000		
2023	Feb	2	54,733	332.0	2736.650000		
2023	Mar	2	60,463	331.5	3023.150000		
2023	Apr	2	54,780	172.6	2739.000000		
2023	May	2	59,134	50.0	2956.700000		
2023	Jun	2	59,978	1.3	2998.900000		
2023	Jul	2	57,251	-	2862.550000		
2023	Aug	2	61,937	-	3096.850000		
2023	Sep	2	52,533	1.1	2626.650000		
2023	Oct	2	55,042	141.5	2752.100000		
2023	Nov	2	51,577	425.0	2578.850000		
2023	Dec	2	47,952	570.3	2397.600000		
		24	673,883	2,560.0			
	WINTER	10	273,228	2,193.5			
	SUMMER	14	400,655	366.5			
	TOTAL	24	673,883	2,560.0			
						-0.449952005	2903.835594
						0.266118911	79.24966297
						0.222321315	191.5446222

Bills	DT's
2	5,850.3
2	5,473.3
2	6,046.3
2	5,478.0
2	5,913.4
2	5,997.8
2	5,725.1
2	6,193.7
2	5,253.3
2	5,504.2
2	5,157.7
2	4,795.2

**EXPERIMENTAL MOTOR VEHICLE FUEL
FIRM LARGE GENERAL SERVICE - 243 / 203**

BASE FACTOR 2903.835594
HEAT FACTOR -0.449952
CORRELATION 22.23%

* Computed using actual 1 - 31 degree days through December 31, 2023.

Piedmont Natural Gas Company, Inc.
Docket No. G-9, Sub 837
Contract Firm Service - Bills, Volumes & Regression Analysis
For the Test Period Ending December 31, 2023

SOUTH CAROLINA JURISDICTION ANALYSIS

CONTRACT FIRM SERVICE CUSTOMER

	MONTH	CUST	THERMS	ADD 1-31 *	MMBTU/Cust	REGRESSION ANALYSIS	
						HEAT	BASE
2020	Jan	1	8,589	534.7	858.900000		
2020	Feb	1	160,239	332.0	16023.900000		
2020	Mar	1	320,496	331.5	32049.600000		
2020	Apr	1	102,163	172.6	10216.300000		
2020	May	1	194,489	50.0	19448.900000		
2020	Jun	1	325,861	1.3	32586.100000		
2020	Jul	1	210,532	-	21053.200000		
2020	Aug	1	157,949	-	15794.900000		
2020	Sep	1	430,558	1.1	43055.800000		
2020	Oct	1	304,601	141.5	30460.100000		
2020	Nov	1	130,900	425.0	13090.000000		
2020	Dec	1	292,137	570.3	29213.700000	-20.31624787	26321.74955
		12	2,638,514	2,560.0		15.91978077	4740.877886
						0.140050812	11458.59338
	WINTER	5	912,361	2,193.5			
	SUMMER	7	1,726,153	366.5			
	TOTAL	12	2,638,514	2,560.0			

Bills	DT's
1	858.9
1	16,023.9
1	32,049.6
1	10,216.3
1	19,448.9
1	32,586.1
1	21,053.2
1	15,794.9
1	43,055.8
1	30,460.1
1	13,090.0
1	29,213.7

CONTRACT FIRM SERVICE

BASE FACTOR 26321.74955
HEAT FACTOR -20.316248
CORRELATION 14.01%

* Computed using actual 1 - 31 degree days through December 31, 2023.

Piedmont Natural Gas Company, Inc.
Multi-year Regression Results

	<u>BASE LOAD FACTOR</u>	<u>HEAT SENSITIVITY FACTOR</u>	<u>DECEMBER 2023 CUSTOMERS</u>	<u>MULTI YEAR REGRESSION W/ CURRENT & PRIOR HDD DESIGN DAY DTs</u>
<u>NORTH CAROLINA</u>				
Design Day Temperature (F)	6.7			
Design Day HDD	58.3			
Rate Schedule 101 - Residential	0.63493	0.01524	732,885	666,395
Rate Schedule 102 - Small General	12.72678	0.06874	73,284	324,354
Rate Schedule 143 / 102 - Small General Motor Fuel	191.44896	-	7	44
Rate Schedule 152 - Medium General	637.33666	0.95627	423	32,446
Rate Schedules 103, 113 - Firm Large General	7,435.74789	2.72488	369	148,826
Rate Schedules 143 / 103, 143 / 113 - Firm Large General Motor Fuel	7,365.90982	-	13	3,148
Firm Municipals	122,739.06621	367.56412	3	76,393
Total North Carolina Design Day Dts				1,251,606
<u>SOUTH CAROLINA</u>				
Design Day Temperature (F)	6.7			
Design Day HDD	58.3			
Rate Schedule 201 - Residential	0.62409	0.01577	148,792	139,874
Rate Schedule 202 - Small General	11.20978	0.06530	15,124	63,153
Rate Schedule 243 / 202 - Small General Motor Fuel	5.32222	-	1	0
Rate Schedule 252 - Medium General	671.34857	0.93447	94	7,196
Rate Schedules 203, 213 - Firm Large General	3,880.29596	1.44031	68	14,385
Rate Schedules 243 / 203 Firm Large General Motor Fuel	2,907.14167	-	2	191
Contract - Firm Large General	36,523.79444	-	1	1,201
Total South Carolina Design Day Dts				226,000
Grand Total Carolinas Design Day Dts				1,477,606
North Carolina Proforma Allocation %				84.71%
South Carolina Proforma Allocation %				15.29%

South Carolina Multi-Year Regression:

BASE FACTOR
 HEAT FACTOR-Current
 HEAT FACTOR-Prior
 CORRELATION

Residential - 201
 0.624086534
 0.003624442
 0.01214824
 98%

Small General - 202
 11.20477746
 0.011556125
 0.053746178
 98%

Small General MVF - 243 / 202
 5.753876923
 -0.00748126
 0.005567627
 3%

Medium General Standard-252
 671.3485681
 0.151937199
 0.782531441
 96%

Firm Large General - 203, 213
 3880.295964
 1.676129505
 -0.235820566
 45%

Firm Large General MVF - 242 / 203
 2895.635877
 -0.38936246
 0.015072466
 21%

DESIGN DAY CALCULATION
 Design Day HDD =

58.3	Cust 148,792	Design DT 139,874	Design UPC 0.940	Cust 15,124	Design DT 63,153	Design UPC 4.176	Cust 1	Design DT 0	Design UPC 0.079	Cust 94	Design DT 7,196	Design UPC 76.551	Cust 68	Design DT 14,385	Design UPC 211.541	Cust 2	Design DT 153	Design UPC 76.666	Cust 1	Design DT 5,354	Design UPC 5,354.495
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LINEST CALCULATIONS

(Regression Results);

	PHDD	CHDD	Intercept (b)	PHDD	CHDD	Intercept (b)	PHDD	CHDD	Intercept (b)	PHDD	CHDD	Intercept (b)	PHDD	CHDD	Intercept (b)	PHDD	CHDD	Intercept (b)	PHDD	CHDD	Intercept (b)
Coefficients	0.01214824	0.00362442	0.62408653	0.053746178	0.011556125	11.20477746	0.005567627	-0.00748126	5.753876923	0.782531441	0.151937199	671.3485681	-0.235820566	1.676129505	3880.295964	0.015072466	-0.38936246	2895.635877	-18.0438147	100.2237449	17136.9101
Standard Error	0.000582273	0.000593287	0.13214457	0.002618604	0.002668114	0.594292397	0.007538329	0.007680929	1.710795169	0.047334519	0.048229933	10.7423997	0.444482576	0.45280732	100.8736377	0.19758203	0.201323887	44.84144061	58.45312965	59.55887151	13265.7164
r ² , seef	0.980298254	0.551667474	#N/A	0.977230546	2.480966264	#N/A	0.027805675	7.142102538	#N/A	0.964332272	44.84654297	#N/A	0.449042467	421.1198844	#N/A	0.207482301	187.2007664	#N/A	0.136630888	55380.74271	#N/A
F, df	821.0317558	33	#N/A	708.1550605	33	#N/A	0.471915574	33	#N/A	446.1030526	33	#N/A	13.44786172	33	#N/A	4.319724294	33	#N/A	2.611177095	33	#N/A
ssreg, ssresid	499.7406862	10.04312107	#N/A	8717.662997	203.1213889	#N/A	48.14447635	1683.317746	#N/A	1794415.996	66370.00973	#N/A	4769740.229	585224.582	#N/A	302761.9331	1156456.189	#N/A	16017099547	1.01212E+11	#N/A

HISTORICAL DATA

YEAR	MONTH	Residential - 201			Small General - 202			Small General MVF - 243 / 202			Medium General Standard-252			Firm Large General - 203, 213			Firm Large General MVF - 242 / 203			Contract Firm Service Custome				
		Cust	Dts	UPC	Cust	Dts	UPC	Cust	Dts	UPC	Cust	Dts	UPC	Cust	Dts	UPC	Cust	Dts	UPC	Cust	Dts	UPC		
2021	Jan	709.7	675.6	139,068	1,749,253.8	12.58	14,836	858,946.5	57.90	1	-	-	86	109,276.3	1,270.65	70	294,573.4	4,208.19	2	5,507.4	2,753.70	1	14,303.4	14,303.40
2021	Feb	593.0	709.7	139,386	1,581,618.6	11.35	14,881	810,454.7	54.46	1	-	-	86	105,908.4	1,231.49	69	273,408.4	3,962.44	2	5,238.2	2,619.10	1	21,520.8	21,520.80
2021	Mar	311.0	593.0	139,866	1,273,419.0	9.10	14,909	696,735.1	46.73	1	-	-	87	106,236.0	1,221.13	69	268,236.1	3,887.48	2	6,135.0	3,067.50	1	12,823.4	12,823.40
2021	Apr	168.8	311.0	139,927	679,813.5	4.86	14,902	429,521.2	28.82	1	-	-	87	94,316.5	969.16	69	235,067.0	3,406.77	2	6,175.7	3,087.85	1	5,034.2	5,034.20
2021	May	51.6	168.8	139,809	320,267.0	2.29	14,855	257,087.5	17.31	1	-	-	87	65,268.8	750.22	69	228,595.2	3,312.97	2	5,507.0	2,753.50	1	20,243.9	20,243.90
2021	Jun	-	51.6	139,659	191,031.9	1.37	14,824	209,082.1	14.10	1	-	-	75	54,205.3	722.74	69	223,510.7	3,239.29	2	6,016.2	3,008.10	1	7,472.5	7,472.50
2021	Jul	-	-	139,586	153,807.1	1.10	14,785	200,549.5	13.56	1	7.2	7.20	73	48,164.8	659.79	71	237,186.5	3,340.65	2	6,002.9	3,001.45	1	7,326.5	7,326.50
2021	Aug	-	-	139,537	131,841.2	0.94	14,763	184,894.8	12.52	1	-	-	73	44,604.8	611.02	71	256,466.8	3,612.21	2	6,174.3	3,087.15	1	17,913.0	17,913.00
2021	Sep	11.8	-	139,481	138,898.0	1.00	14,737	190,675.7	12.94	1	5.6	5.60	72	44,842.8	622.82	72	247,771.9	3,441.28	2	5,825.8	2,912.90	1	10,625.5	10,625.50
2021	Oct	106.2	11.8	139,781	159,563.4	1.14	14,734	203,398.6	13.80	1	9.9	9.90	72	48,818.8	678.04	72	272,713.1	3,787.68	2	5,661.6	2,830.80	1	7,096.0	7,096.00
2021	Nov	487.0	106.2	140,443	477,288.0	3.40	14,792	303,130.6	20.49	1	-	-	72	56,478.6	784.43	71	310,662.9	4,375.53	2	5,957.5	2,978.75	1	10,421.0	10,421.00
2021	Dec	397.2	487.0	141,635	1,111,308.7	7.85	14,923	594,211.6	39.82	1	-	-	72	76,488.3	1,062.34	71	303,564.2	4,275.55	2	6,062.9	3,031.45	1	280,074.8	280,074.80
2022	Jan	787.0	397.2	142,163	1,295,453.1	9.11	14,994	698,731.5	46.60	1	-	-	71	80,715.7	1,136.84	71	408,885.1	5,758.95	2	5,266.9	2,633.45	1	207,867.3	207,867.30
2022	Feb	508.1	787.0	142,802	1,730,712.5	12.12	15,067	906,062.5	60.14	1	10.6	10.60	70	91,523.7	1,307.48	71	361,074.6	5,085.56	2	5,410.3	2,705.15	1	62,914.2	62,914.20
2022	Mar	305.1	508.1	143,198	964,223.8	6.73	15,065	585,932.6	38.89	1	0.1	0.10	71	78,169.8	1,101.41	73	371,698.3	5,091.76	2	6,058.9	3,029.45	1	133,216.8	133,216.80
2022	Apr	169.4	305.1	143,110	700,413.0	4.89	15,034	439,725.8	29.25	1	26.3	26.30	72	67,883.5	969.76	72	330,831.6	4,594.88	2	5,701.0	2,850.50	1	17,346.6	17,346.60
2022	May	15.7	169.4	143,083	291,334.5	2.04	15,010	265,357.9	17.68	1	26.2	26.20	69	55,671.9	806.06	72	302,590.2	4,202.64	2	5,884.0	2,942.00	1	4,818.7	4,818.70
2022	Jun	-	15.7	143,053	165,763.1	1.16	14,950	195,629.7	13.09	1	0.5	0.50	80	52,896.1	661.20	70	297,973.6	4,256.77	2	6,479.4	3,239.70	1	17,014.8	17,014.80
2022	Jul	-	-	142,805	145,597.3	1.02	14,928	184,923.2	12.39	1	-	-	81	55,376.9	683.67	71	294,716.8	4,150.94	2	5,927.7	2,963.85	1	18,048.6	18,048.60
2022	Aug	-	-	142,950	127,537.5	0.89	14,875	170,636.5	11.47	1	-	-	82	57,427.6	700.34	70	281,447.2	4,020.67	2	6,938.6	3,469.30	1	21,606.3	21,606.30
2022	Sep	27.2	-	143,016	147,782.0	1.03	14,865	195,139.5	13.13	1	-	-	82	63,274.8	771.64	69	285,146.9	4,132.56	2	6,078.5	3,039.25	1	17,906.5	17,906.50
2022	Oct	224.5	27.2	143,269	226,250.6	1.58	14,854	226,016.6	15.22	1	-	-	82	63,232.3	771.13	71	321,274.4	4,524.99	2	5,929.2	2,964.60	1	19,749.5	19,749.50
2022	Nov	388.4	224.5	144,132	492,101.8	3.41	14,929	328,918.1	22.03	1	-	-	82	73,118.5	891.69	70	317,994.3	4,542.78	2	6,037.6	3,018.80	1	11,803.5	11,803.50
2022	Dec	694.1	388.4	145,163	1,121,886.9	7.73	15,025	597,723.7	39.78	1	4.3	4.30	83	90,419.8	1,089.40	72	347,585.1	4,827.57	2	5,949.3	2,974.65	1	12,869.4	12,869.40
2023	Jan	534.7	694.1	145,946	1,717,784.0	11.77	15,095	915,401.4	60.64	1	3.4	3.40	83	110,633.0	1,332.93	71	340,760.6	4,799.45	2	5,850.3	2,925.15	1	858.9	858.90
2023	Feb	332.0	534.7	146,220	1,291,122.7	8.83	15,125	710,987.3	47.01	1	11.7	11.70	83	97,800.0	1,178.31	71	319,891.4	4,505.51	2	5,473.3	2,736.65	1	16,023.9	16,023.90
2023	Mar	331.5	332.0	146,537	760,543.3	5.19	15,154	464,802.3	30.67	1	15.9	15.90	83	84,596.0	1,019.23	71	319,018.4	4,493.22	2	6,046.3	3,023.15	1	32,049.6	32,049.60
2023	Apr	172.6	331.5	146,381	709,041.8	4.84	15,110	448,035.7	29.65	1	2.2	2.20	83	85,917.6	1,035.15	71	297,270.8	4,186.91	2	5,478.0	2,739.00	1	10,216.3	10,216.30
2023	May	50.0	172.6	146,505	348,501.6	2.38	15,076	283,229.3	18.79	1	4.8	4.80	83	70,308.8	847.09	71	306,320.0	4,314.37	2	5,913.4	2,956.70	1	19,448.9	19,448.90
2023	Jun	1.3	50.0	146,543	214,912.6	1.47	15,059	226,502.8	15.04	1	4.3	4.30	93	67,683.3	728.69	67	261,214.4	3,898.72	2	5,997.8	2,998.90	1	32,586.1	32,586.10
2023	Jul	-	1.3	146,503	162,502.0	1.11	15,016	200,646.1	13.36	1	8.4	8.40	94	63,375.6	674.21	69	260,273.5	3,772.08	2	5,725.1	2,862.55	1	21,053.2	21,053.20
2023	Aug	-	-	146,754	134,620.9	0.92	14,996	176,373.3	11.76	1	9.7	9.70	95	58,948.0	620.51	68	292,081.9	4,295.32	2	6,193.7	3,096.85	1	15,794.9	15,794.90
2023	Sep	1.1	-	146,714	146,634.1	1.00	14,954	196,063.9	13.11	1	11.1	11.10	94	58,989.9	627.55	70	270,631.0	3,866.16	2	5,253.3	2,626.65	1	43,055.8	43,055.80
2023	Oct	141.5	1.1	147,059	181,926.9	1.24	14,947	207,416.0	13.88	1	6.6	6.60	94	62,801.3	668.10	68	301,345.2	4,431.55	2	5,504.2	2,752.10	1	30,460.1	30,460.10

Piedmont Natural Gas Company, Inc.
North Carolina Jurisdiction Heating Degree Days

Date	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Jan 01		27.9	19.5	19.4	21.1	30.8	28.2	13.0	32.3	31.9
Jan 02		17.7	27.2	21.0	15.7	21.3	30.3	6.6	35.7	35.1
Jan 03		22.2	32.8	26.3	7.8	13.8	30.6	3.2	35.4	37.6
Jan 04		25.2	31.8	30.2	4.2	10.4	38.0	14.4	31.6	33.7
Jan 05		26.0	38.8	23.8	8.6	3.7	40.3	27.1	25.3	28.6
Jan 06		20.4	29.3	34.8	14.1	1.6	27.5	20.7	25.8	28.2
Jan 07		13.7	23.6	40.0	23.4	-	19.8	21.8	19.6	28.8
Jan 08		29.8	26.1	36.5	27.3	5.4	21.5	20.5	26.5	29.0
Jan 09		35.9	24.4	29.5	30.2	17.3	27.0	19.0	32.9	18.0
Jan 10		34.3	20.9	29.3	28.5	18.9	31.5	11.5	23.5	8.9
Jan 11		26.4	16.0	35.4	36.0	15.4	20.6	11.8	17.9	21.5
Jan 12		18.7	10.7	30.5	33.0	17.2	15.9	11.0	23.1	22.2
Jan 13		21.3	4.3	25.5	30.5	13.8	11.5	17.2	18.5	24.4
Jan 14		30.2	1.2	18.9	29.3	22.9	12.0	31.8	17.7	24.2
Jan 15		47.0	11.3	15.7	20.3	24.7	23.8	24.0	14.4	21.4
Jan 16		45.4	16.7	27.6	27.4	20.2	19.3	15.8	18.9	24.9
Jan 17		32.7	16.8	21.2	39.5	23.9	12.8	26.7	20.7	14.3
Jan 18		42.6	17.2	6.1	38.9	22.6	14.8	34.4	21.0	21.3
Jan 19		49.6	18.7	31.4	35.5	26.4	16.6	27.4	15.0	29.5
Jan 20		40.2	22.7	33.5	24.7	26.9	12.5	30.0	28.7	24.6
Jan 21		37.5	25.6	32.3	18.8	22.9	11.5	35.3	30.9	23.0
Jan 22		26.6	24.5	26.8	14.3	22.6	3.6	34.9	30.8	17.5
Jan 23		21.7	31.9	17.0	13.6	19.3	5.4	30.6	24.3	13.0
Jan 24		15.0	32.9	22.1	24.2	24.9	18.1	28.8	22.3	8.7
Jan 25		17.1	25.8	30.1	20.2	26.7	15.0	32.9	32.7	24.4
Jan 26		18.5	26.1	20.0	23.6	23.1	20.0	36.4	24.2	21.9
Jan 27		31.2	21.4	23.0	19.3	23.6	10.5	39.7	23.2	11.2
Jan 28		15.1	25.3	28.3	18.5	20.8	4.3	34.0	22.5	8.7
Jan 29		17.3	32.0	27.2	24.5	15.9	11.1	33.6	12.1	1.3
Jan 30		29.3	29.6	21.1	29.7	21.1	19.3	31.6	10.8	-
Jan 31		30.9	24.5	25.2	24.6	26.8	27.3	33.8	12.0	-
Feb 01		31.8	17.7	31.8	12.5	23.9	24.6	31.2	20.8	9.3
Feb 02		34.0	18.5	34.5	14.5	17.1	18.7	30.4	25.1	23.2
Feb 03		26.3	19.2	41.7	9.4	19.3	13.8	22.9	27.0	24.2
Feb 04		18.8	28.5	49.3	20.8	22.2	13.9	25.6	23.2	30.5
Feb 05		18.8	35.9	44.4	17.9	20.8	15.2	27.5	23.2	28.4
Feb 06		17.4	36.4	34.5	19.1	22.4	9.4	23.4	19.5	26.7
Feb 07		14.6	31.3	25.5	16.9	23.7	3.7	17.8	12.6	23.9
Feb 08		8.2	41.6	14.4	26.5	19.6	13.1	23.8	11.3	16.7
Feb 09		6.4	30.9	17.0	24.0	21.1	11.1	18.3	6.8	12.0
Feb 10		32.2	26.6	9.6	27.5	16.2	8.8	10.3	20.0	16.0
Feb 11		31.8	21.2	17.4	27.3	13.2	3.0	9.3	24.7	24.1
Feb 12		30.2	31.3	30.9	21.1	15.2	18.0	27.4	29.2	18.1
Feb 13		25.6	29.9	25.0	29.6	16.7	31.4	23.1	16.1	19.0
Feb 14		23.9	24.1	17.1	27.6	19.7	27.6	14.6	7.4	22.0
Feb 15		20.7	25.5	17.8	20.8	20.3	17.4	17.0	5.0	14.7
Feb 16		19.8	16.6	33.8	21.6	16.9	10.2	9.9	8.5	14.0
Feb 17		18.5	21.2	31.5	20.9	7.6	9.3	19.8	23.8	23.9
Feb 18		12.8	22.1	26.3	13.7	14.4	12.9	17.3	28.3	23.3
Feb 19		9.2	15.7	14.7	6.8	11.4	26.2	14.8	19.9	13.4
Feb 20		6.8	12.8	13.8	4.0	13.8	20.7	22.6	9.7	8.7
Feb 21		10.2	23.2	13.5	3.5	16.4	28.8	20.7	14.7	12.6
Feb 22		13.6	17.5	9.3	15.0	14.4	29.3	16.4	31.4	17.4
Feb 23		20.2	6.7	6.0	21.1	17.9	33.6	11.9	18.4	21.1
Feb 24		18.8	20.2	11.0	16.9	11.8	29.1	7.1	9.6	18.4
Feb 25		16.1	20.3	7.7	16.3	9.7	23.6	3.4	5.1	12.5
Feb 26		28.8	7.5	1.1	16.1	7.9	19.2	1.4	8.7	14.6
Feb 27		31.2	9.3	-	-	9.2	7.1	8.5	9.7	33.3
Feb 28		23.3	7.0	8.5	5.0	4.6	14.5	14.3	16.2	29.9
Feb 29		-	-	22.7	-	-	-	13.1	-	-

Piedmont Natural Gas Company, Inc.
North Carolina Jurisdiction Heating Degree Days

Date	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Jan 01	11.4	13.8	10.1	14.8	16.8	29.0	31.7	30.2	7.7	13.9
Jan 02	17.9	13.0	26.2	17.3	24.1	39.2	26.1	41.0	24.0	33.3
Jan 03	25.6	2.2	28.3	17.0	14.7	38.6	19.1	40.4	31.4	39.4
Jan 04	29.0	-	36.6	16.4	4.6	32.1	11.4	38.2	26.1	29.5
Jan 05	24.6	12.9	41.2	18.7	3.6	19.5	7.6	37.3	26.2	21.4
Jan 06	27.1	33.5	34.5	29.7	9.2	12.2	15.2	35.7	27.0	14.4
Jan 07	25.5	35.8	29.7	28.1	8.3	8.4	19.0	27.6	27.9	9.0
Jan 08	12.2	29.7	35.8	13.5	23.2	3.1	25.4	42.3	38.4	15.5
Jan 09	7.8	34.8	36.2	10.9	26.0	7.7	26.5	38.2	36.1	20.4
Jan 10	23.2	41.3	37.0	10.0	31.0	14.3	13.7	38.6	37.6	15.0
Jan 11	29.8	31.7	44.1	10.9	22.9	12.0	23.1	29.0	36.2	16.1
Jan 12	33.3	19.9	47.5	9.4	12.4	17.9	27.4	35.3	37.3	19.9
Jan 13	28.3	20.1	41.7	12.2	9.4	25.1	29.7	31.7	37.7	32.6
Jan 14	26.0	19.1	29.0	27.0	3.7	28.5	28.3	25.2	34.3	28.0
Jan 15	31.0	26.1	25.2	21.9	2.4	32.1	38.5	21.2	26.9	29.3
Jan 16	30.7	28.6	30.6	14.0	24.4	28.3	45.0	14.5	24.7	21.0
Jan 17	38.2	21.7	36.3	8.3	32.0	30.8	32.4	16.2	28.9	10.7
Jan 18	37.7	22.4	29.4	25.7	31.3	25.4	28.6	16.8	23.3	27.0
Jan 19	27.5	34.4	24.4	18.4	24.3	33.1	28.1	14.0	22.3	25.1
Jan 20	15.6	35.4	24.6	12.9	26.3	41.4	40.6	13.9	23.1	18.0
Jan 21	29.9	32.5	26.6	11.6	30.6	34.6	37.1	28.4	33.6	20.5
Jan 22	32.6	23.9	22.2	26.5	26.1	28.1	26.5	25.2	39.3	28.6
Jan 23	45.5	26.2	24.8	17.4	26.7	24.8	12.8	21.9	31.1	20.0
Jan 24	38.5	21.7	24.4	16.4	25.6	33.6	21.3	7.6	31.1	18.2
Jan 25	31.3	43.6	20.6	26.7	30.7	33.1	28.8	18.5	23.8	13.6
Jan 26	29.0	39.3	15.4	28.5	24.9	28.4	24.2	27.8	28.6	3.3
Jan 27	35.8	36.4	13.8	26.6	12.4	25.7	22.5	26.8	28.5	17.4
Jan 28	22.3	32.8	19.5	14.6	32.1	17.2	19.1	18.2	25.5	19.4
Jan 29	19.6	24.9	20.9	9.8	34.8	10.9	25.0	34.0	17.5	24.0
Jan 30	27.8	28.5	32.6	13.2	28.5	25.9	29.9	43.6	13.8	18.2
Jan 31	25.7	33.7	41.7	25.1	33.1	23.8	26.2	36.5	22.4	10.6
Feb 01	22.8	32.1	30.4	24.0	31.2	24.7	18.2	27.5	16.1	8.7
Feb 02	14.2	27.4	22.8	12.8	28.7	19.5	21.2	30.0	20.0	12.2
Feb 03	5.9	27.2	39.2	8.8	30.3	13.4	32.7	26.2	28.9	17.7
Feb 04	18.7	26.7	39.2	19.2	30.6	12.8	40.7	26.9	29.9	16.0
Feb 05	22.4	28.2	38.7	28.9	37.1	0.1	38.7	29.2	25.7	23.8
Feb 06	26.5	20.8	30.3	23.1	25.7	5.4	25.0	30.6	24.4	24.5
Feb 07	28.0	28.9	30.2	26.1	23.7	18.5	10.8	29.8	22.2	21.2
Feb 08	28.7	30.2	23.7	26.0	28.3	17.8	9.2	25.5	30.3	23.8
Feb 09	22.9	26.9	31.9	32.0	30.3	12.3	8.8	29.6	28.4	26.1
Feb 10	26.2	19.9	21.2	21.4	31.1	19.6	6.1	32.6	31.9	21.4
Feb 11	19.7	21.9	21.4	29.7	27.2	25.1	4.1	30.7	28.0	35.5
Feb 12	21.2	29.8	40.5	33.0	14.8	21.2	11.6	34.0	23.2	32.9
Feb 13	21.7	18.7	35.9	30.1	25.8	27.2	10.4	33.9	15.1	22.6
Feb 14	20.9	21.1	24.9	20.1	32.0	24.5	17.1	27.1	12.4	19.8
Feb 15	22.2	30.9	18.8	14.4	34.2	14.4	21.1	29.7	20.0	12.5
Feb 16	35.3	35.0	14.0	6.2	35.3	15.9	29.1	34.2	15.2	15.3
Feb 17	30.2	33.1	8.5	11.4	28.1	5.6	24.5	31.9	5.5	14.1
Feb 18	24.8	24.6	5.2	32.9	33.2	15.4	17.2	27.5	2.8	11.1
Feb 19	18.7	15.4	8.6	30.0	21.6	22.6	27.1	23.5	11.7	30.2
Feb 20	17.3	6.7	10.0	21.3	10.1	16.1	31.2	20.9	12.2	26.2
Feb 21	17.7	17.5	8.2	15.2	8.4	29.5	21.3	13.9	2.7	16.7
Feb 22	9.9	21.0	11.8	15.3	12.0	23.7	31.7	17.9	22.6	8.8
Feb 23	22.0	19.9	13.1	17.0	22.1	16.3	32.7	17.5	20.2	-
Feb 24	13.5	17.7	17.1	17.4	15.5	23.2	28.8	29.5	11.6	12.6
Feb 25	21.8	24.0	15.9	17.7	22.3	13.8	19.5	32.8	15.5	25.4
Feb 26	30.2	33.6	13.2	31.1	17.5	18.5	9.1	26.6	14.6	21.8
Feb 27	28.2	30.5	16.2	18.3	15.0	34.0	10.6	25.4	-	17.3
Feb 28	22.8	24.6	9.6	6.3	13.8	30.2	25.3	26.6	7.6	8.4
Feb 29	-	18.6	-	-	-	15.1	-	-	-	1.2

Piedmont Natural Gas Company, Inc.
North Carolina Jurisdiction Heating Degree Days

Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Jan 01	16.9	23.3	19.5	21.3	16.5	46.1	8.0	20.7	22.2	0.0	12.9
Jan 02	21.8	28.2	16.3	25.4	16.8	42.6	14.7	17.8	13.2	7.9	8.0
Jan 03	29.6	38.3	15.4	23.3	13.7	39.0	12.8	9.9	18.0	30.7	2.5
Jan 04	27.2	30.4	11.2	33.0	21.4	44.3	13.7	18.4	23.5	26.1	7.1
Jan 05	22.1	22.6	26.3	37.0	25.1	44.0	14.4	23.1	22.8	18.9	13.6
Jan 06	23.4	42.3	25.1	27.0	31.7	46.3	11.6	18.6	26.7	18.9	20.3
Jan 07	25.3	44.6	42.2	21.7	43.6	42.2	15.6	24.2	24.8	34.2	21.0
Jan 08	18.8	32.4	41.5	21.0	45.5	27.4	10.2	20.9	30.0	26.7	24.5
Jan 09	9.7	21.1	32.5	15.6	39.9	13.9	25.0	18.5	28.8	15.6	24.1
Jan 10	10.8	20.5	36.9	24.1	24.4	16.2	32.9	9.0	26.7	27.6	21.2
Jan 11	15.9	13.9	24.6	31.1	14.0	3.6	27.7	0.0	24.2	32.0	11.6
Jan 12	5.0	20.5	20.1	25.7	4.8	10.4	29.2	1.4	24.6	26.2	9.5
Jan 13	0.4	14.9	30.4	29.7	4.3	34.1	30.0	3.0	21.3	21.5	23.7
Jan 14	6.3	22.6	32.3	19.3	17.0	39.8	25.9	5.0	24.4	23.7	30.8
Jan 15	20.5	24.3	28.3	20.2	11.5	36.2	28.4	4.0	25.5	31.0	26.3
Jan 16	15.5	29.6	25.3	19.1	15.6	26.8	23.8	16.0	29.1	33.9	16.3
Jan 17	27.1	25.1	19.9	30.6	5.5	43.4	23.0	24.4	25.8	33.5	15.2
Jan 18	29.5	31.0	19.6	39.5	11.3	35.2	19.4	20.5	26.9	28.1	8.1
Jan 19	22.3	23.2	14.7	39.8	11.7	25.8	12.2	27.0	17.3	20.3	6.6
Jan 20	19.4	19.6	12.8	33.9	11.0	19.3	34.4	35.4	21.4	29.1	19.2
Jan 21	21.4	30.8	20.1	29.5	10.5	13.2	39.0	35.1	18.9	38.7	22.9
Jan 22	34.9	40.0	19.5	38.5	10.7	5.5	29.7	30.4	20.4	34.5	22.8
Jan 23	28.2	40.1	27.3	36.0	16.8	15.1	10.3	23.2	27.4	28.5	26.8
Jan 24	36.0	42.7	27.0	29.8	16.5	24.7	22.9	15.3	20.5	28.0	20.8
Jan 25	39.5	31.1	19.4	23.5	3.7	25.9	29.9	24.0	21.2	25.2	19.7
Jan 26	32.2	19.4	25.3	14.9	17.9	19.7	27.3	21.8	17.8	32.2	25.6
Jan 27	28.0	23.7	31.1	23.2	27.4	12.9	22.3	21.5	20.5	30.2	26.3
Jan 28	18.1	44.2	30.1	25.8	24.1	12.7	19.6	22.9	33.1	28.1	19.8
Jan 29	-	45.2	21.7	24.2	23.7	24.2	29.9	21.7	32.1	38.7	16.1
Jan 30	7.6	37.3	30.3	19.8	26.5	34.1	33.9	25.4	27.6	31.0	11.3
Jan 31	24.2	26.2	24.5	9.0	10.7	26.0	31.9	26.9	29.6	27.4	12.3
Feb 01	35.8	16.2	11.8	6.2	9.8	16.1	21.1	22.3	28.0	27.2	23.9
Feb 02	26.5	8.9	29.4	9.8	13.3	35.2	16.5	12.3	30.5	17.6	22.8
Feb 03	26.9	17.4	30.2	3.7	29.8	28.9	15.6	1.9	28.2	7.2	30.6
Feb 04	22.5	26.5	20.3	17.5	30.5	25.8	8.9	3.6	19.9	15.1	30.2
Feb 05	17.5	22.8	32.9	28.4	19.4	26.0	3.8	4.7	22.6	32.2	19.1
Feb 06	16.6	27.5	30.6	24.3	8.2	13.8	0.0	7.4	24.1	28.9	17.7
Feb 07	24.1	24.1	15.1	26.3	3.7	15.4	0.0	27.6	27.4	28.4	13.4
Feb 08	21.4	23.1	6.9	24.6	6.1	25.0	15.3	28.6	18.9	25.8	6.4
Feb 09	22.8	19.7	15.1	34.0	28.5	13.9	26.7	21.7	12.7	20.7	1.2
Feb 10	14.9	29.2	25.7	37.1	19.7	4.8	25.9	9.9	16.4	16.1	7.8
Feb 11	11.9	36.1	23.4	31.8	0.7	-	19.4	3.4	24.2	10.7	19.3
Feb 12	14.6	37.7	30.7	33.0	0.9	15.1	19.9	8.6	31.5	9.7	23.4
Feb 13	23.6	29.4	36.7	38.8	18.6	23.9	20.9	13.2	29.5	30.0	13.9
Feb 14	23.8	21.5	29.6	39.2	11.2	9.5	10.9	26.5	28.0	28.7	9.7
Feb 15	17.7	28.2	39.8	30.6	21.7	-	8.0	27.3	24.8	23.8	5.4
Feb 16	34.8	24.2	40.6	18.7	20.1	4.2	23.7	20.3	26.2	10.5	0.0
Feb 17	34.6	24.1	36.0	22.2	12.8	20.0	24.6	13.4	26.7	0.0	21.0
Feb 18	22.6	11.7	39.8	23.8	10.1	12.5	17.8	10.0	29.9	21.5	22.3
Feb 19	24.8	4.8	50.0	17.1	8.7	11.7	27.6	19.6	27.4	22.6	14.1
Feb 20	24.6	0.9	41.1	10.9	5.9	-	26.3	31.1	29.2	21.9	6.2
Feb 21	20.7	14.4	26.4	5.4	8.3	-	11.0	32.9	26.0	6.7	3.6
Feb 22	28.3	14.7	16.0	15.0	7.2	-	20.3	24.0	23.1	1.7	0.0
Feb 23	22.3	11.2	29.6	17.3	2.7	3.5	22.9	13.4	14.5	5.7	0.0
Feb 24	17.4	17.4	37.5	10.7	-	-	13.9	16.6	6.7	18.7	6.6
Feb 25	27.4	19.8	29.5	22.0	10.1	2.2	18.8	10.7	8.7	11.4	16.5
Feb 26	23.0	28.3	32.2	27.2	20.2	18.1	11.8	15.1	22.4	20.0	12.1
Feb 27	18.4	25.5	29.2	23.1	9.6	14.9	15.8	26.1	13.4	24.8	2.1
Feb 28	24.6	27.5	31.3	8.5	-	12.8	9.8	24.1	0.0	17.9	3.5
Feb 29	-	-	-	8.5	-	-	-	27.8	-	-	-

Piedmont Natural Gas Company, Inc.
North Carolina Jurisdiction Heating Degree Days

Date	30-year avg.	Rounded for Billing System		ACUTAL SUMMARY		NORMAL SUMMARY			
		30-year avg.	month	Month	HDD	Month	30-YR HDD	month	year
Jan 01	20.4	20.4	1.0	Dec-20	682.9			12	2020
Jan 02	22.8	22.8	1.0	Jan-21	746.3	January	737.3	1	2021
Jan 03	23.3	23.3	1.0	Feb-21	620.9	February	555.8	2	2021
Jan 04	23.3	23.3	1.0	Mar-21	333.8	March	394.1	3	2021
Jan 05	23.5	23.5	1.0	Apr-21	168.7	April	153.9	4	2021
Jan 06	24.4	24.4	1.0	May-21	60.8	May	39.6	5	2021
Jan 07	25.0	25.0	1.0	Jun-21	-	June	1.6	6	2021
Jan 08	25.4	25.4	1.0	Jul-21	-	July	0.1	7	2021
Jan 09	24.1	24.1	1.0	Aug-21	-	August	-	8	2021
Jan 10	24.0	24.0	1.0	Sep-21	6.7	Septembe	15.9	9	2021
Jan 11	21.8	21.8	1.0	Oct-21	87.1	October	169.6	10	2021
Jan 12	20.7	20.7	1.0	Nov-21	394.2	November	431.9	11	2021
Jan 13	21.6	21.6	1.0	Dec-21	489.9	December	642.1	12	2021
Jan 14	22.8	22.8	1.0	Jan-22	828.4		3,141.9	1	2022
Jan 15	23.8	23.8	1.0	Feb-22	505.5			2	2022
Jan 16	24.3	24.3	1.0	Mar-22	296.5			3	2022
Jan 17	24.6	24.6	1.0	Apr-22	159.0			4	2022
Jan 18	25.2	25.2	1.0	May-22	26.8			5	2022
Jan 19	24.1	24.1	1.0	Jun-22	-			6	2022
Jan 20	25.0	25.0	1.0	Jul-22	-			7	2022
Jan 21	26.8	26.8	1.0	Aug-22	-			8	2022
Jan 22	25.6	25.6	1.0	Sep-22	26.0			9	2022
Jan 23	23.6	23.6	1.0	Oct-22	208.6			10	2022
Jan 24	24.0	24.0	1.0	Nov-22	363.1			11	2022
Jan 25	25.3	25.3	1.0	Dec-22	709.5			12	2022
Jan 26	23.9	23.9	1.0	Jan-23	546.9			1	2023
Jan 27	23.9	23.9	1.0	Feb-23	352.8			2	2023
Jan 28	22.6	22.6	1.0	Mar-23	356.9			3	2023
Jan 29	22.5	22.5	1.0	Apr-23	147.2			4	2023
Jan 30	24.6	24.6	1.0	May-23	49.8			5	2023
Jan 31	24.4	24.4	1.0	Jun-23	0.8			6	2023
Feb 01	21.9	21.9	2.0	Jul-23	-			7	2023
Feb 02	21.6	21.6	2.0	Aug-23	-			8	2023
Feb 03	21.8	21.8	2.0	Sep-23	3.0			9	2023
Feb 04	23.8	23.8	2.0	Oct-23	143.0			10	2023
Feb 05	24.5	24.5	2.0	Nov-23	434.8			11	2023
Feb 06	21.5	21.5	2.0	Dec-23	562.1			12	2023
Feb 07	20.5	20.5	2.0						
Feb 08	20.7	20.7	2.0						
Feb 09	20.5	20.5	2.0						
Feb 10	20.2	20.2	2.0						
Feb 11	19.9	19.9	2.0						
Feb 12	23.6	23.6	2.0						
Feb 13	24.5	24.5	2.0						
Feb 14	21.4	21.4	2.0						
Feb 15	20.2	20.2	2.0						
Feb 16	20.3	20.3	2.0						
Feb 17	20.2	20.2	2.0						
Feb 18	19.6	19.6	2.0						
Feb 19	19.0	19.0	2.0						
Feb 20	16.1	16.1	2.0						
Feb 21	15.0	15.0	2.0						
Feb 22	16.3	16.3	2.0						
Feb 23	16.0	16.0	2.0						
Feb 24	15.8	15.8	2.0						
Feb 25	16.7	16.7	2.0						
Feb 26	18.4	18.4	2.0						
Feb 27	16.9	16.9	2.0						
Feb 28	15.3	15.3	2.0						
Feb 29	3.6	3.6	2.0						

Date	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Mar 01	24.6	15.5	23.5	-	8.0	18.9	4.8	12.3	19.6	
Mar 02	25.1	18.4	19.1	1.1	15.1	9.5	11.0	5.3	18.8	
Mar 03	20.9	25.5	22.0	10.9	22.4	21.3	12.3	15.8	18.3	
Mar 04	6.5	23.0	18.0	13.7	19.1	25.5	17.4	18.4	30.4	
Mar 05	8.7	19.0	4.9	4.7	14.0	18.1	7.4	25.2	22.9	
Mar 06	9.5	7.2	5.5	17.2	16.7	11.9	5.8	28.1	14.1	
Mar 07	7.6	-	16.7	13.8	11.7	25.1	1.6	25.1	9.1	
Mar 08	8.5	16.6	36.4	10.0	4.0	23.8	-	16.8	2.8	
Mar 09	22.0	28.4	35.0	7.4	15.6	28.5	-	19.8	6.1	
Mar 10	20.2	24.1	32.1	4.3	27.8	23.3	-	19.8	17.4	
Mar 11	23.3	15.0	26.1	3.8	30.3	22.6	5.4	12.3	14.7	
Mar 12	21.7	8.2	20.6	9.6	29.6	19.8	23.3	7.2	16.9	
Mar 13	15.1	7.4	12.7	7.2	22.4	22.6	21.2	4.3	12.4	
Mar 14	13.4	5.8	3.8	6.1	11.1	23.5	12.5	6.4	2.1	
Mar 15	5.3	4.4	5.7	19.5	14.6	23.9	6.9	15.2	-	
Mar 16	19.9	1.1	5.4	21.7	22.7	13.8	3.9	17.5	-	
Mar 17	20.0	0.5	16.5	9.6	23.3	2.4	16.8	14.1	17.0	
Mar 18	8.3	13.4	15.0	6.0	15.8	3.5	19.9	17.7	10.5	
Mar 19	8.7	11.7	19.3	16.6	3.4	11.5	14.4	16.8	10.6	
Mar 20	6.9	5.4	24.0	12.5	8.1	9.7	13.4	19.3	8.5	
Mar 21	7.6	3.7	24.0	4.3	18.8	14.5	12.6	16.5	15.2	
Mar 22	10.5	-	21.8	4.0	17.6	13.9	10.1	11.6	26.3	
Mar 23	7.0	3.6	18.6	12.2	13.5	8.3	9.7	10.6	16.9	
Mar 24	9.3	11.6	8.5	11.9	12.8	3.6	5.0	8.7	4.3	
Mar 25	9.9	11.1	6.0	6.7	14.4	12.5	-	17.0	-	
Mar 26	7.7	4.5	4.8	5.6	1.5	18.3	3.5	23.7	2.1	
Mar 27	4.0	6.1	18.4	6.1	-	16.0	10.6	23.0	14.5	
Mar 28	6.6	6.8	25.9	4.7	-	8.5	9.3	16.4	12.8	
Mar 29	16.1	8.4	11.5	-	-	8.8	10.7	19.5	0.9	
Mar 30	13.8	7.1	15.2	2.5	-	8.2	8.9	8.3	2.8	
Mar 31	15.8	11.0	13.3	13.3	-	5.4	8.1	10.9	9.7	
Apr 01	13.9	12.0	14.5	11.8	-	0.6	5.0	19.1	6.5	
Apr 02	8.1	12.7	12.6	8.0	-	-	4.0	10.1	-	
Apr 03	5.7	5.0	0.9	3.4	6.6	-	-	10.2	5.7	
Apr 04	8.2	3.9	-	-	14.4	-	13.6	12.4	15.7	
Apr 05	3.8	11.6	9.5	-	10.2	5.7	10.6	8.8	14.7	
Apr 06	2.7	9.1	21.4	-	4.7	6.3	-	-	20.3	
Apr 07	13.2	-	16.8	2.4	-	-	-	-	13.2	
Apr 08	12.1	-	18.5	7.2	-	-	14.6	-	1.4	
Apr 09	5.5	-	20.6	12.3	2.4	-	12.6	-	0.2	
Apr 10	1.9	0.2	17.3	16.0	11.6	-	2.0	-	1.9	
Apr 11	4.2	6.6	6.0	4.1	6.8	-	-	-	1.1	
Apr 12	3.5	1.7	-	3.0	6.3	9.5	3.5	-	4.4	
Apr 13	4.4	3.0	0.1	8.5	3.7	8.4	20.0	-	-	
Apr 14	5.1	5.5	-	14.4	4.9	5.4	14.9	-	-	
Apr 15	5.1	3.3	3.4	8.7	-	7.5	7.3	2.8	-	
Apr 16	3.2	-	10.5	3.9	-	7.1	-	6.1	-	
Apr 17	2.6	-	8.0	12.1	-	11.7	0.8	20.8	-	
Apr 18	3.7	-	-	13.1	5.8	10.2	8.1	16.8	-	
Apr 19	2.1	-	0.9	10.3	3.6	4.3	1.0	10.7	-	
Apr 20	1.0	-	0.9	5.8	4.8	1.1	-	1.6	-	
Apr 21	0.4	-	-	3.4	4.8	-	5.7	-	-	
Apr 22	10.9	-	-	9.4	9.9	-	11.3	-	-	
Apr 23	7.0	14.5	1.2	16.6	9.8	-	5.5	-	5.2	
Apr 24	1.4	14.5	6.6	9.9	2.8	4.3	7.9	0.7	1.6	
Apr 25	1.1	7.3	-	7.2	-	3.1	13.3	11.5	1.7	
Apr 26	0.6	2.8	4.3	6.7	-	1.0	10.2	8.7	5.8	
Apr 27	0.7	1.0	3.0	9.3	9.4	1.1	5.7	-	-	
Apr 28	0.7	0.4	-	4.5	3.6	15.5	11.5	-	-	
Apr 29	-	-	-	5.7	-	17.1	7.7	4.2	-	
Apr 30	-	-	8.3	-	-	10.5	-	1.0	-	

Date	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Mar 01	18.3	6.0	4.9	0.2	6.4	15.1	32.9	23.3	19.8	3.6
Mar 02	15.8	6.0	12.2	3.8	12.2	14.3	40.5	30.8	12.7	9.3
Mar 03	19.4	1.3	19.9	24.5	15.2	1.2	37.2	27.3	21.7	12.9
Mar 04	12.8	-	23.7	21.8	27.2	7.7	27.8	26.1	14.0	23.1
Mar 05	7.5	-	13.7	15.5	14.2	16.2	17.3	25.1	6.4	25.4
Mar 06	11.7	5.0	20.0	18.5	18.1	10.7	6.4	22.6	22.9	20.2
Mar 07	25.0	11.3	23.7	21.6	13.2	11.4	-	16.5	21.4	7.2
Mar 08	10.2	22.3	24.3	11.7	19.6	27.9	-	12.2	16.2	2.5
Mar 09	7.3	24.5	22.2	1.5	16.9	23.4	-	4.3	12.2	16.1
Mar 10	17.4	25.7	20.7	1.5	6.5	14.0	2.4	11.5	18.7	18.6
Mar 11	18.2	13.0	19.2	0.3	9.2	12.5	2.8	6.2	23.6	12.6
Mar 12	5.7	14.5	20.1	-	12.2	11.3	17.1	7.9	7.7	2.9
Mar 13	3.2	17.2	15.7	-	-	4.0	26.7	14.1	4.0	0.7
Mar 14	13.7	7.0	18.9	13.1	-	5.8	23.8	14.4	14.8	-
Mar 15	15.6	7.9	19.8	15.0	0.9	11.3	18.9	13.1	18.1	-
Mar 16	7.3	13.4	20.6	10.8	25.1	15.9	17.3	16.8	14.5	-
Mar 17	5.0	19.5	20.3	13.8	27.0	17.7	14.8	11.8	8.1	-
Mar 18	4.8	15.6	14.6	18.8	25.8	8.6	11.8	10.0	-	3.1
Mar 19	14.3	13.2	25.3	17.9	9.6	4.4	10.3	6.9	2.6	-
Mar 20	15.4	4.8	28.4	24.7	1.5	15.9	17.4	2.8	8.6	-
Mar 21	4.9	21.8	21.4	24.9	9.9	9.2	20.5	6.5	-	-
Mar 22	4.0	28.5	25.1	23.0	1.8	8.2	12.1	19.7	-	-
Mar 23	5.3	21.7	24.3	19.5	-	37.0	9.9	12.7	-	-
Mar 24	4.2	11.7	19.3	23.7	-	25.0	15.2	4.5	14.0	2.7
Mar 25	-	4.6	17.4	24.5	-	16.7	23.0	3.8	13.0	5.5
Mar 26	2.0	1.0	13.5	23.0	-	6.1	9.1	17.0	23.5	3.7
Mar 27	4.2	-	5.0	16.6	-	0.3	5.7	15.5	26.2	11.0
Mar 28	-	7.4	11.2	13.2	-	0.4	5.0	9.0	26.8	-
Mar 29	3.5	11.6	8.2	9.7	16.2	20.9	13.0	10.1	13.0	-
Mar 30	23.9	18.2	-	5.0	6.7	23.0	11.2	8.4	22.1	-
Mar 31	20.2	17.2	0.4	-	-	13.4	5.6	2.4	21.3	1.3
Apr 01	4.2	14.5	-	-	-	1.6	5.0	-	18.9	1.8
Apr 02	-	18.0	-	-	-	8.6	4.3	-	14.1	0.5
Apr 03	-	10.9	0.5	5.0	-	20.0	5.4	-	2.3	-
Apr 04	-	18.3	-	10.2	4.1	6.6	5.7	-	-	-
Apr 05	3.1	16.2	3.6	6.7	19.8	5.8	-	-	16.6	11.2
Apr 06	7.3	8.4	11.9	1.7	22.3	13.6	14.7	-	8.1	13.5
Apr 07	19.6	-	14.2	-	29.3	12.5	23.1	-	0.9	9.8
Apr 08	20.2	1.7	7.9	-	22.5	10.5	12.6	2.5	-	2.0
Apr 09	19.8	3.0	3.6	15.3	21.5	4.5	4.6	10.4	10.2	3.4
Apr 10	18.5	4.6	1.7	9.8	12.2	-	5.3	8.5	0.7	5.0
Apr 11	13.7	11.2	-	4.6	14.0	-	9.6	3.2	-	18.3
Apr 12	2.9	15.4	-	1.9	6.8	4.4	10.2	0.8	8.9	14.5
Apr 13	2.7	10.4	0.6	-	7.1	16.2	11.2	1.3	6.6	9.3
Apr 14	-	17.3	2.8	-	2.2	18.7	8.1	12.6	2.9	0.5
Apr 15	-	8.0	5.5	-	14.4	16.8	9.6	0.8	-	-
Apr 16	-	3.1	9.4	-	10.1	11.7	11.3	-	8.5	-
Apr 17	2.6	-	2.6	6.3	3.8	1.3	6.5	2.6	6.0	-
Apr 18	15.8	-	-	5.5	8.3	-	0.1	9.9	-	9.6
Apr 19	10.6	-	-	5.7	13.2	3.4	2.4	6.9	-	6.4
Apr 20	4.3	-	2.6	-	8.9	8.3	3.2	5.4	-	1.5
Apr 21	1.8	-	10.6	-	3.0	6.3	7.6	7.7	4.0	-
Apr 22	6.0	-	8.0	2.6	-	2.4	9.8	2.1	13.7	15.7
Apr 23	6.5	-	-	-	-	3.2	-	-	-	18.4
Apr 24	3.1	-	1.4	-	-	-	-	-	-	10.8
Apr 25	4.4	-	9.3	-	-	-	-	-	-	3.5
Apr 26	2.2	6.4	6.1	9.1	-	-	-	2.2	-	-
Apr 27	-	9.5	-	11.5	-	-	-	11.9	-	-
Apr 28	-	7.4	-	4.2	0.4	7.3	-	10.8	-	7.1
Apr 29	-	0.7	-	7.2	-	15.3	-	2.9	3.1	-
Apr 30	-	-	-	8.9	-	8.9	-	-	-	-

Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Mar 01	24.7	20.8	27.5	5.0	3.3	11.5	21.4	17.1	14.9	12.2	4.2
Mar 02	29.3	6.1	15.0	24.6	19.2	19.2	13.5	7.7	22.5	4.1	4.6
Mar 03	30.7	36.4	23.7	24.8	24.1	19.3	19.4	10.8	14.0	2.7	2.9
Mar 04	21.6	31.7	1.2	22.5	22.5	18.7	26.5	12.6	12.9	13.1	10.9
Mar 05	21.4	26.4	28.3	18.4	20.1	17.8	29.4	18.3	20.7	1.7	11.2
Mar 06	26.1	29.5	34.0	18.5	11.4	22.9	29.9	21.2	22.5	0.0	2.0
Mar 07	24.5	27.2	18.9	9.2	2.5	25.3	21.2	22.9	23.4	0.6	9.2
Mar 08	21.0	12.1	6.5	1.9	9.6	28.0	22.3	16.1	16.8	11.9	15.5
Mar 09	15.9	11.7	8.1	-	4.3	20.4	20.0	4.6	9.3	14.9	11.3
Mar 10	11.4	5.9	-	-	16.5	15.0	7.0	5.2	5.3	20.9	17.1
Mar 11	4.5	0.6	3.1	-	23.5	24.2	12.3	4.7	2.9	11.5	20.4
Mar 12	12.7	16.6	8.9	-	28.8	29.1	16.4	0.0	0.0	35.1	25.8
Mar 13	23.4	26.8	18.9	-	26.3	25.0	9.0	1.2	6.6	23.3	22.5
Mar 14	24.1	11.3	9.2	0.1	29.3	29.0	0.0	7.3	5.0	14.5	27.5
Mar 15	8.6	8.0	6.3	-	34.3	8.5	7.2	14.9	18.8	7.5	22.7
Mar 16	0.2	23.9	0.7	-	27.8	10.7	18.1	14.4	20.4	8.3	8.3
Mar 17	16.5	32.8	2.0	0.9	14.4	7.0	17.8	10.2	13.4	4.4	9.9
Mar 18	23.6	27.0	12.3	3.9	12.3	10.8	19.3	2.2	8.4	1.2	19.2
Mar 19	12.8	19.9	21.4	17.5	19.7	6.7	20.7	0.0	22.6	2.6	26.9
Mar 20	20.5	12.7	16.6	23.0	7.7	22.8	16.1	0.0	16.9	11.4	24.2
Mar 21	30.4	8.2	6.4	19.5	-	26.7	15.0	4.9	10.9	6.6	13.0
Mar 22	21.7	5.5	6.8	8.3	16.7	21.9	13.6	14.7	7.4	1.2	11.3
Mar 23	19.8	23.6	14.0	1.8	18.2	18.2	14.5	14.4	5.8	0.0	0.0
Mar 24	26.7	22.5	7.3	-	4.8	26.4	4.7	10.9	4.8	6.5	0.0
Mar 25	25.5	29.1	5.6	-	1.5	21.4	8.2	10.5	0.0	11.3	0.0
Mar 26	25.1	26.3	1.7	6.9	1.3	19.0	19.2	8.4	0.0	16.5	3.7
Mar 27	24.3	12.8	22.6	8.0	-	17.2	18.9	0.0	0.0	17.9	0.6
Mar 28	21.7	6.1	27.8	5.4	-	0.7	10.0	0.0	7.7	16.9	9.9
Mar 29	13.8	10.0	20.3	11.5	0.2	-	2.0	0.0	11.8	16.5	14.1
Mar 30	9.0	16.8	12.0	3.4	2.5	9.5	0.0	0.9	0.0	0.0	7.8
Mar 31	6.1	6.1	1.6	-	3.1	10.5	17.4	16.0	8.1	1.2	0.2
Apr 01	8.5	-	7.7	-	5.2	-	21.3	16.5	24.3	11.8	2.4
Apr 02	13.3	-	2.2	7.4	5.4	2.5	22.7	10.7	24.8	10.3	9.3
Apr 03	14.6	-	-	10.7	1.7	-	6.4	5.3	15.8	9.3	3.6
Apr 04	25.4	-	12.6	2.5	-	12.0	1.8	4.0	3.9	6.5	0.0
Apr 05	13.3	6.9	7.5	20.7	2.9	13.6	8.6	1.6	1.1	1.9	0.0
Apr 06	10.2	11.8	-	10.2	12.0	4.6	3.1	0.0	0.0	0.0	0.0
Apr 07	3.7	7.6	-	8.7	16.2	23.1	0.0	0.0	0.0	6.8	19.7
Apr 08	-	7.6	-	14.5	11.7	18.1	0.0	0.0	0.0	13.4	22.4
Apr 09	-	9.2	-	22.3	2.9	14.9	0.0	1.1	0.0	20.3	15.2
Apr 10	-	2.5	-	14.2	-	12.0	0.2	16.7	0.0	9.8	13.5
Apr 11	-	-	1.6	0.8	-	10.7	0.0	8.7	0.7	0.0	4.6
Apr 12	-	-	1.4	6.9	-	0.9	0.0	0.0	0.0	0.0	0.3
Apr 13	3.5	-	-	10.4	-	-	0.0	1.0	1.8	0.0	0.0
Apr 14	-	-	-	10.0	-	-	0.0	7.7	0.0	1.1	0.0
Apr 15	2.4	18.8	13.6	10.4	-	3.7	11.2	17.6	8.9	4.5	0.0
Apr 16	-	19.7	9.6	9.4	-	19.5	4.4	11.7	7.9	0.0	0.2
Apr 17	-	13.6	-	5.8	-	7.3	0.0	2.1	6.2	4.5	6.3
Apr 18	-	13.7	-	-	1.9	-	0.0	10.8	4.5	18.7	0.0
Apr 19	3.7	12.4	-	-	5.6	12.8	3.1	7.8	8.2	16.1	0.0
Apr 20	13.0	7.9	0.8	-	-	12.0	14.4	8.8	1.7	8.9	0.0
Apr 21	13.7	2.8	6.5	-	-	7.2	9.8	3.8	15.9	1.5	0.0
Apr 22	11.2	0.3	-	1.6	-	4.1	1.5	5.3	17.0	0.0	7.4
Apr 23	6.9	4.5	7.6	1.8	12.8	7.4	0.0	3.3	10.2	0.0	6.1
Apr 24	0.5	3.5	6.4	1.1	9.7	4.5	0.0	0.0	8.3	0.0	10.4
Apr 25	6.9	0.3	13.5	-	3.2	3.1	0.0	6.2	6.4	0.0	7.4
Apr 26	3.2	-	15.0	-	-	4.3	5.9	5.8	1.1	2.6	6.9
Apr 27	5.5	-	9.3	-	-	3.6	0.0	7.0	0.0	5.3	4.1
Apr 28	7.3	2.3	7.5	-	-	1.9	0.0	0.0	0.0	4.2	0.5
Apr 29	2.2	2.4	7.9	-	-	10.8	0.9	0.0	0.0	0.5	0.0
Apr 30	3.6	-	6.2	1.0	-	4.3	0.0	7.7	0.0	1.0	6.9

Date	Billing System			Month	HDD	Month	30-YR HDD	month	year
	30-year avg.	30-year avg.	month	Dec-20	682.9	12			2020
Mar 01	14.0	14.0	3.0						
Mar 02	14.9	14.9	3.0						
Mar 03	18.6	18.6	3.0						
Mar 04	18.3	18.3	3.0						
Mar 05	16.0	16.0	3.0						
Mar 06	16.3	16.3	3.0						
Mar 07	14.9	14.9	3.0						
Mar 08	14.2	14.2	3.0						
Mar 09	13.7	13.7	3.0						
Mar 10	13.7	13.7	3.0						
Mar 11	12.6	12.6	3.0						
Mar 12	14.3	14.3	3.0						
Mar 13	13.1	13.1	3.0						
Mar 14	11.8	11.8	3.0						
Mar 15	11.8	11.8	3.0						
Mar 16	12.7	12.7	3.0						
Mar 17	12.9	12.9	3.0						
Mar 18	12.1	12.1	3.0						
Mar 19	12.9	12.9	3.0						
Mar 20	13.3	13.3	3.0						
Mar 21	12.6	12.6	3.0						
Mar 22	12.2	12.2	3.0						
Mar 23	12.0	12.0	3.0						
Mar 24	10.4	10.4	3.0						
Mar 25	10.0	10.0	3.0						
Mar 26	10.0	10.0	3.0						
Mar 27	10.2	10.2	3.0						
Mar 28	9.0	9.0	3.0						
Mar 29	9.4	9.4	3.0						
Mar 30	8.2	8.2	3.0						
Mar 31	8.0	8.0	3.0						
Apr 01	7.6	7.6	4.0						
Apr 02	7.0	7.0	4.0						
Apr 03	5.0	5.0	4.0						
Apr 04	6.1	6.1	4.0						
Apr 05	7.9	7.9	4.0						
Apr 06	7.3	7.3	4.0						
Apr 07	8.0	8.0	4.0						
Apr 08	7.4	7.4	4.0						
Apr 09	7.9	7.9	4.0						
Apr 10	6.2	6.2	4.0						
Apr 11	4.3	4.3	4.0						
Apr 12	3.6	3.6	4.0						
Apr 13	4.3	4.3	4.0						
Apr 14	4.5	4.5	4.0						
Apr 15	6.1	6.1	4.0						
Apr 16	5.6	5.6	4.0						
Apr 17	4.5	4.5	4.0						
Apr 18	5.2	5.2	4.0						
Apr 19	5.0	5.0	4.0						
Apr 20	3.9	3.9	4.0						
Apr 21	3.9	3.9	4.0						
Apr 22	5.0	5.0	4.0						
Apr 23	4.9	4.9	4.0						
Apr 24	3.6	3.6	4.0						
Apr 25	3.6	3.6	4.0						
Apr 26	3.7	3.7	4.0						
Apr 27	3.3	3.3	4.0						
Apr 28	3.2	3.2	4.0						
Apr 29	3.0	3.0	4.0						
Apr 30	2.3	2.3	4.0						

Date	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
May 01	-	-	6.0	5.3	-	0.5	6.3	-	-	-
May 02	-	7.5	9.5	-	-	0.6	5.9	-	-	-
May 03	-	10.5	8.6	-	1.9	-	1.9	-	-	2.8
May 04	-	13.5	4.4	-	7.0	1.6	-	-	-	11.8
May 05	-	7.4	1.5	-	1.4	-	-	-	-	3.6
May 06	-	-	1.6	-	-	-	-	-	0.6	-
May 07	-	-	-	5.5	0.9	-	-	-	2.2	-
May 08	-	6.0	-	-	-	-	-	-	-	-
May 09	-	0.9	-	-	-	-	-	-	-	-
May 10	-	-	-	-	7.2	0.1	-	-	-	-
May 11	-	-	-	-	2.5	-	-	-	-	-
May 12	-	-	-	4.9	-	-	-	-	-	-
May 13	-	1.6	-	9.4	4.1	-	-	-	-	-
May 14	-	-	-	8.4	-	-	8.1	-	-	4.5
May 15	-	-	-	8.6	-	-	2.1	2.1	-	1.1
May 16	-	-	-	-	6.3	-	0.4	-	-	-
May 17	-	1.8	-	-	-	-	-	-	2.9	-
May 18	-	4.6	-	-	-	-	-	-	-	7.6
May 19	-	6.9	-	-	-	-	-	-	-	8.9
May 20	-	6.8	-	-	-	-	-	-	-	7.0
May 21	-	3.3	-	-	-	-	-	-	-	10.6
May 22	-	-	-	-	-	-	-	-	-	8.2
May 23	-	-	-	-	-	-	-	-	-	1.0
May 24	-	-	-	-	-	-	-	-	-	-
May 25	-	-	-	-	-	-	-	-	-	-
May 26	-	-	-	-	-	-	-	-	-	-
May 27	-	-	-	-	2.3	-	-	-	-	-
May 28	-	-	-	-	3.3	-	-	-	-	-
May 29	-	-	-	-	0.8	-	-	3.7	-	-
May 30	-	-	-	2.7	-	-	-	4.1	-	-
May 31	-	-	-	0.1	-	-	-	-	-	-
Jun 01	-	-	-	-	-	-	-	-	-	-
Jun 02	-	-	-	-	-	-	-	-	-	-
Jun 03	-	-	-	-	5.1	-	-	-	-	-
Jun 04	-	-	-	-	5.1	-	-	-	-	-
Jun 05	-	-	-	-	1.3	-	-	-	-	-
Jun 06	-	-	-	-	6.9	0.3	-	0.4	-	-
Jun 07	-	-	-	-	5.0	-	-	-	-	-
Jun 08	-	-	-	-	2.4	-	-	-	-	-
Jun 09	-	-	-	-	0.2	-	-	-	-	-
Jun 10	-	-	-	-	-	-	-	-	-	-
Jun 11	-	-	-	-	-	-	-	-	-	-
Jun 12	-	-	-	-	-	-	-	-	-	-
Jun 13	-	-	-	-	-	-	-	-	-	-
Jun 14	-	-	-	-	-	-	-	-	-	-
Jun 15	-	-	-	-	-	-	-	-	-	-
Jun 16	-	-	-	-	-	-	-	-	-	-
Jun 17	-	-	-	-	-	-	-	-	-	-
Jun 18	-	-	-	-	-	-	-	-	-	-
Jun 19	-	-	-	-	-	-	-	-	-	-
Jun 20	-	-	-	-	-	-	2.0	-	-	-
Jun 21	-	-	-	-	-	-	-	-	-	-
Jun 22	-	-	-	-	-	-	-	-	-	-
Jun 23	-	-	-	-	-	-	-	-	-	-
Jun 24	-	-	-	-	-	-	-	-	-	-
Jun 25	-	-	-	-	-	-	-	-	-	-
Jun 26	-	-	-	-	-	-	-	-	-	-
Jun 27	-	-	-	-	-	-	-	-	-	-
Jun 28	-	-	-	-	-	-	-	-	-	-
Jun 29	-	-	-	-	-	-	-	-	-	-
Jun 30	-	-	-	-	-	-	-	-	-	-

Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
May 01	5.7	0.9	9.9	-	-	-	0.0	7.6	2.5	0.0	7.5
May 02	7.4	4.4	2.8	-	-	-	0.0	0.0	0.0	0.0	7.4
May 03	7.4	-	-	-	-	-	0.0	0.0	0.0	0.0	9.7
May 04	9.3	-	-	3.6	-	-	0.0	0.0	0.0	0.0	5.8
May 05	8.5	-	-	13.0	6.6	-	0.0	4.9	0.0	0.0	2.2
May 06	5.8	-	-	6.8	11.3	-	0.0	12.1	5.1	0.0	0.0
May 07	5.9	-	-	-	6.7	-	0.0	9.2	8.6	7.6	0.0
May 08	2.1	-	-	-	3.8	-	0.0	13.5	2.2	13.1	0.0
May 09	-	-	-	-	1.6	-	0.0	14.0	0.0	5.4	0.0
May 10	-	-	-	-	-	-	0.0	6.0	0.0	0.2	0.0
May 11	-	-	-	-	-	-	0.0	12.4	4.0	0.0	0.0
May 12	5.7	-	-	-	8.2	-	0.0	9.7	16.4	0.0	0.0
May 13	9.0	-	-	-	2.8	-	2.3	3.7	7.7	0.0	0.0
May 14	1.5	-	-	0.5	-	-	6.2	0.0	6.5	0.0	0.0
May 15	-	1.4	-	7.5	-	-	2.4	0.0	1.2	0.0	0.0
May 16	-	6.4	-	0.6	-	-	0.0	0.0	0.0	0.0	0.0
May 17	-	4.5	-	-	-	-	0.0	0.0	0.0	0.0	0.0
May 18	-	7.1	-	3.5	-	-	0.0	0.0	0.0	0.0	2.0
May 19	-	2.5	-	6.0	-	-	0.0	9.5	0.0	0.0	0.1
May 20	-	-	-	3.7	-	-	0.0	8.1	0.0	0.0	0.0
May 21	-	-	-	-	-	-	0.0	2.1	0.0	0.0	0.0
May 22	-	-	1.3	3.1	-	-	0.0	0.0	0.0	0.0	0.0
May 23	-	-	-	3.5	-	-	0.0	0.0	0.0	0.0	0.0
May 24	5.8	-	-	-	-	-	0.0	0.0	0.0	0.5	0.0
May 25	1.2	-	-	-	-	-	0.0	0.0	0.0	0.0	0.6
May 26	0.9	-	-	-	-	-	0.0	0.0	0.0	0.0	3.1
May 27	-	-	-	-	-	-	0.0	0.0	0.0	0.0	7.7
May 28	-	-	-	-	-	-	0.0	0.0	0.0	0.0	3.7
May 29	-	-	-	-	-	-	0.0	0.0	1.3	0.0	0.0
May 30	-	-	-	-	-	-	0.0	0.0	5.3	0.0	0.0
May 31	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 01	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 02	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 03	-	-	1.3	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 04	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.8
Jun 05	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 06	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 07	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 08	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 09	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 10	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 11	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 12	-	-	-	-	-	-	0.5	0.0	0.0	0.0	0.0
Jun 13	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 14	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 15	-	-	-	-	-	-	0.0	5.6	0.0	0.0	0.0
Jun 16	-	-	-	-	-	-	0.0	5.2	0.0	0.0	0.0
Jun 17	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 18	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 19	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 20	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 21	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 22	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 23	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 24	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 25	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 26	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 27	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 28	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 29	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jun 30	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0

Date	Billing System			Month	HDD	Month	30-YR HDD	month	year
	30-year avg.	30-year avg.	month	Dec-20	682.9	12			2020
May 01	2.0	2.0	5.0						
May 02	1.8	1.8	5.0						
May 03	2.4	2.4	5.0						
May 04	3.2	3.2	5.0						
May 05	2.4	2.4	5.0						
May 06	1.9	1.9	5.0						
May 07	2.5	2.5	5.0						
May 08	2.1	2.1	5.0						
May 09	1.5	1.5	5.0						
May 10	0.8	0.8	5.0						
May 11	1.5	1.5	5.0						
May 12	2.1	2.1	5.0						
May 13	1.7	1.7	5.0						
May 14	1.4	1.4	5.0						
May 15	1.2	1.2	5.0						
May 16	0.8	0.8	5.0						
May 17	1.4	1.4	5.0						
May 18	2.2	2.2	5.0						
May 19	1.9	1.9	5.0						
May 20	1.3	1.3	5.0						
May 21	0.7	0.7	5.0						
May 22	0.6	0.6	5.0						
May 23	0.2	0.2	5.0						
May 24	0.3	0.3	5.0						
May 25	0.1	0.1	5.0						
May 26	0.1	0.1	5.0						
May 27	0.4	0.4	5.0						
May 28	0.5	0.5	5.0						
May 29	0.2	0.2	5.0						
May 30	0.4	0.4	5.0						
May 31	0.0	0.0	5.0						
Jun 01	0.0	0.0	6.0						
Jun 02	0.0	0.0	6.0						
Jun 03	0.2	0.2	6.0						
Jun 04	0.2	0.2	6.0						
Jun 05	0.1	0.1	6.0						
Jun 06	0.3	0.3	6.0						
Jun 07	0.2	0.2	6.0						
Jun 08	0.1	0.1	6.0						
Jun 09	0.0	0.0	6.0						
Jun 10	0.0	0.0	6.0						
Jun 11	0.0	0.0	6.0						
Jun 12	0.0	0.0	6.0						
Jun 13	0.0	0.0	6.0						
Jun 14	0.0	0.0	6.0						
Jun 15	0.2	0.2	6.0						
Jun 16	0.2	0.2	6.0						
Jun 17	0.0	0.0	6.0						
Jun 18	0.0	0.0	6.0						
Jun 19	0.0	0.0	6.0						
Jun 20	0.1	0.1	6.0						
Jun 21	0.0	0.0	6.0						
Jun 22	0.0	0.0	6.0						
Jun 23	0.0	0.0	6.0						
Jun 24	0.0	0.0	6.0						
Jun 25	0.0	0.0	6.0						
Jun 26	0.0	0.0	6.0						
Jun 27	0.0	0.0	6.0						
Jun 28	0.0	0.0	6.0						
Jun 29	0.0	0.0	6.0						
Jun 30	0.0	0.0	6.0						

Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Jul 01	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 02	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 03	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 04	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 05	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 06	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 07	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 08	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 09	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 10	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 11	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 12	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 13	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 14	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 15	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 16	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 17	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 18	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 19	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 20	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 21	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 22	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 23	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 24	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 25	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 26	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 27	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 28	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 29	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 30	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Jul 31	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 01	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 02	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 03	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 04	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 05	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 06	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 07	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 08	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 09	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 10	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 11	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 12	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 13	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 14	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 15	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 16	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 17	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 18	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 19	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 20	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 21	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 22	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 23	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 24	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 25	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 26	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 27	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 28	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 29	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 30	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Aug 31	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0

Date	Billing System			Month	HDD	Month	30-YR HDD	month	year
	30-year avg.	30-year avg.	month	Dec-20	682.9	12			2020
Jul 01	0.0	0.0	7.0						
Jul 02	0.0	0.0	7.0						
Jul 03	0.0	0.0	7.0						
Jul 04	0.0	0.0	7.0						
Jul 05	0.0	0.0	7.0						
Jul 06	0.0	0.0	7.0						
Jul 07	0.0	0.0	7.0						
Jul 08	0.0	0.0	7.0						
Jul 09	0.0	0.0	7.0						
Jul 10	0.0	0.0	7.0						
Jul 11	0.0	0.0	7.0						
Jul 12	0.1	0.1	7.0						
Jul 13	0.0	0.0	7.0						
Jul 14	0.0	0.0	7.0						
Jul 15	0.0	0.0	7.0						
Jul 16	0.0	0.0	7.0						
Jul 17	0.0	0.0	7.0						
Jul 18	0.0	0.0	7.0						
Jul 19	0.0	0.0	7.0						
Jul 20	0.0	0.0	7.0						
Jul 21	0.0	0.0	7.0						
Jul 22	0.0	0.0	7.0						
Jul 23	0.0	0.0	7.0						
Jul 24	0.0	0.0	7.0						
Jul 25	0.0	0.0	7.0						
Jul 26	0.0	0.0	7.0						
Jul 27	0.0	0.0	7.0						
Jul 28	0.0	0.0	7.0						
Jul 29	0.0	0.0	7.0						
Jul 30	0.0	0.0	7.0						
Jul 31	0.0	0.0	7.0						
Aug 01	0.0	0.0	8.0						
Aug 02	0.0	0.0	8.0						
Aug 03	0.0	0.0	8.0						
Aug 04	0.0	0.0	8.0						
Aug 05	0.0	0.0	8.0						
Aug 06	0.0	0.0	8.0						
Aug 07	0.0	0.0	8.0						
Aug 08	0.0	0.0	8.0						
Aug 09	0.0	0.0	8.0						
Aug 10	0.0	0.0	8.0						
Aug 11	0.0	0.0	8.0						
Aug 12	0.0	0.0	8.0						
Aug 13	0.0	0.0	8.0						
Aug 14	0.0	0.0	8.0						
Aug 15	0.0	0.0	8.0						
Aug 16	0.0	0.0	8.0						
Aug 17	0.0	0.0	8.0						
Aug 18	0.0	0.0	8.0						
Aug 19	0.0	0.0	8.0						
Aug 20	0.0	0.0	8.0						
Aug 21	0.0	0.0	8.0						
Aug 22	0.0	0.0	8.0						
Aug 23	0.0	0.0	8.0						
Aug 24	0.0	0.0	8.0						
Aug 25	0.0	0.0	8.0						
Aug 26	0.0	0.0	8.0						
Aug 27	0.0	0.0	8.0						
Aug 28	0.0	0.0	8.0						
Aug 29	0.0	0.0	8.0						
Aug 30	0.0	0.0	8.0						
Aug 31	0.0	0.0	8.0						

Date	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Sep 01	-	-	-	-	-	-	-	-	-	-
Sep 02	-	1.9	-	-	-	-	-	-	-	-
Sep 03	-	3.1	-	-	-	-	-	-	-	-
Sep 04	-	0.9	-	-	2.1	-	-	-	-	-
Sep 05	-	-	-	-	-	-	-	2.6	-	-
Sep 06	-	-	-	-	-	-	-	2.9	-	-
Sep 07	-	-	-	-	-	-	-	-	-	-
Sep 08	-	-	-	-	-	-	-	-	-	-
Sep 09	-	-	-	-	-	3.9	-	-	-	-
Sep 10	-	-	-	-	-	1.0	-	-	-	-
Sep 11	-	-	-	-	-	-	-	-	-	-
Sep 12	-	-	-	-	-	-	-	-	-	-
Sep 13	-	-	-	-	-	-	-	-	-	-
Sep 14	-	-	-	0.7	-	-	-	-	2.6	-
Sep 15	-	-	-	-	-	-	-	0.3	5.7	-
Sep 16	-	-	-	-	-	-	-	6.6	3.4	-
Sep 17	-	-	-	-	-	-	0.9	5.4	0.3	-
Sep 18	-	-	1.7	-	-	-	-	3.3	-	-
Sep 19	1.0	-	1.4	-	-	-	0.2	-	-	-
Sep 20	-	-	-	-	-	-	-	-	-	-
Sep 21	0.7	-	-	-	1.3	-	3.1	-	-	-
Sep 22	1.7	-	-	-	0.6	-	8.9	2.3	-	-
Sep 23	-	13.3	-	-	-	1.0	5.4	-	-	-
Sep 24	-	10.3	-	-	8.7	2.8	1.4	-	0.7	-
Sep 25	-	4.0	-	-	4.1	-	-	-	9.4	0.2
Sep 26	-	-	-	-	-	-	-	8.6	8.3	-
Sep 27	-	0.2	-	-	-	-	-	7.4	3.7	-
Sep 28	-	1.0	-	-	0.4	-	-	4.1	7.4	-
Sep 29	1.2	1.4	5.0	0.1	-	-	-	5.6	7.6	-
Sep 30	0.1	3.1	5.5	-	-	-	6.6	4.1	9.7	-
Oct 01	-	0.9	6.5	3.5	-	-	5.4	4.9	4.5	-
Oct 02	-	-	0.9	8.6	3.9	1.3	0.9	0.9	-	-
Oct 03	9.3	-	0.3	4.7	-	-	-	-	-	-
Oct 04	6.7	-	14.3	-	-	-	2.8	-	-	-
Oct 05	5.0	-	10.3	-	1.2	6.6	-	-	-	-
Oct 06	5.4	-	9.1	-	-	6.2	-	11.8	-	-
Oct 07	4.0	-	9.7	-	-	4.6	10.8	13.8	-	-
Oct 08	-	4.4	4.9	-	1.3	0.9	22.4	14.7	7.3	-
Oct 09	0.8	5.2	8.9	-	5.3	-	22.0	13.0	6.0	-
Oct 10	11.0	0.2	10.8	-	4.2	-	15.5	1.8	1.2	-
Oct 11	12.8	0.8	12.7	-	4.0	-	11.6	-	-	-
Oct 12	9.2	-	11.0	0.2	2.2	2.5	9.4	-	-	-
Oct 13	7.7	-	8.8	-	1.1	4.8	6.0	-	2.8	-
Oct 14	5.5	-	2.1	-	6.1	7.2	4.8	-	10.8	-
Oct 15	6.6	10.2	2.1	9.1	6.6	7.9	4.1	4.8	13.5	-
Oct 16	10.4	9.6	0.9	7.7	5.8	1.0	2.0	9.1	9.2	-
Oct 17	9.9	12.0	-	11.0	5.2	3.1	1.0	15.5	10.7	-
Oct 18	7.1	7.2	9.8	12.0	1.8	7.2	2.8	15.3	12.7	-
Oct 19	7.1	3.5	15.6	11.5	-	10.3	8.0	9.2	7.1	-
Oct 20	2.8	6.0	12.2	7.5	4.4	13.2	6.3	4.9	3.9	-
Oct 21	2.4	15.3	6.4	7.8	10.3	14.1	3.8	0.3	12.6	-
Oct 22	0.5	11.1	0.7	16.5	17.1	9.0	2.1	-	12.7	-
Oct 23	-	6.2	6.2	16.5	14.8	19.2	8.0	-	9.8	-
Oct 24	6.0	2.6	7.2	9.7	9.0	20.0	3.9	-	11.9	-
Oct 25	4.7	8.8	3.5	2.8	8.1	17.1	3.9	3.6	12.6	-
Oct 26	16.3	7.4	3.7	7.7	7.5	11.2	6.0	14.8	5.5	-
Oct 27	17.8	4.3	1.6	14.8	6.2	9.9	0.9	23.9	5.5	-
Oct 28	17.0	10.7	-	17.7	2.4	13.0	2.0	22.1	10.9	-
Oct 29	5.5	14.8	-	13.8	5.3	8.8	12.9	16.0	17.7	-
Oct 30	0.4	10.9	-	12.5	1.5	2.4	12.3	10.0	18.0	-
Oct 31	-	11.7	1.7	8.9	5.2	1.9	12.4	10.1	18.0	-

Date	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Sep 01	-	-	-	-	-	-	-	-	-	-
Sep 02	-	-	-	-	-	-	-	-	-	-
Sep 03	-	-	-	-	-	-	-	-	-	-
Sep 04	-	-	-	-	-	-	-	-	-	-
Sep 05	-	-	-	-	-	-	-	-	-	-
Sep 06	-	-	-	-	-	-	-	-	-	-
Sep 07	-	-	-	-	-	-	-	-	-	-
Sep 08	-	-	-	-	-	-	-	-	-	-
Sep 09	-	-	-	-	-	-	-	-	-	-
Sep 10	-	-	-	-	-	-	-	-	-	-
Sep 11	-	-	-	-	-	-	-	-	-	-
Sep 12	-	-	-	-	-	-	-	-	-	-
Sep 13	-	-	-	1.6	-	-	-	-	-	-
Sep 14	-	-	-	-	-	-	-	-	-	-
Sep 15	-	-	-	-	-	-	-	-	-	-
Sep 16	-	-	-	-	1.8	1.6	-	-	8.4	-
Sep 17	-	-	-	-	0.6	0.2	-	-	6.8	-
Sep 18	-	1.1	1.0	-	-	-	-	-	3.2	-
Sep 19	-	3.7	5.3	-	-	1.1	-	-	-	1.0
Sep 20	-	5.0	3.2	4.6	-	1.5	-	-	-	-
Sep 21	-	1.1	-	2.1	-	-	-	-	-	-
Sep 22	-	-	-	-	-	-	-	-	-	-
Sep 23	-	-	2.6	-	-	1.7	-	-	-	2.4
Sep 24	-	-	5.5	-	-	1.7	-	-	-	5.7
Sep 25	-	-	3.5	0.9	-	2.4	-	-	-	-
Sep 26	-	-	0.7	1.9	-	-	1.2	-	-	-
Sep 27	-	-	-	-	-	-	-	-	-	-
Sep 28	3.2	-	-	2.6	-	-	-	-	-	-
Sep 29	9.0	-	2.9	8.3	0.1	-	5.2	0.7	-	2.0
Sep 30	8.0	-	-	3.2	-	-	5.7	-	2.4	0.4
Oct 01	6.5	-	-	0.3	-	6.1	4.1	1.8	13.4	-
Oct 02	14.3	-	5.2	2.1	-	8.0	-	3.7	13.1	-
Oct 03	13.0	-	13.4	-	-	4.5	1.6	6.4	8.4	-
Oct 04	5.2	0.2	8.3	-	-	0.4	1.7	9.0	3.9	-
Oct 05	1.7	2.4	0.8	-	-	-	4.9	10.7	2.0	-
Oct 06	0.7	7.1	-	9.5	-	-	-	6.1	3.0	-
Oct 07	0.3	5.7	1.8	8.6	-	2.1	-	-	4.0	11.9
Oct 08	1.1	1.4	7.8	6.1	-	0.2	0.5	2.6	2.8	17.3
Oct 09	-	0.4	11.5	1.5	-	-	-	-	-	11.1
Oct 10	0.4	-	9.4	-	-	-	-	-	-	7.3
Oct 11	2.5	5.1	8.0	-	9.6	-	4.1	-	4.3	9.5
Oct 12	-	-	9.8	6.6	8.4	0.6	10.4	-	-	6.1
Oct 13	-	1.6	11.9	17.9	6.3	1.7	1.4	-	-	9.5
Oct 14	3.3	3.0	9.9	15.5	1.9	-	16.7	8.1	3.9	-
Oct 15	10.7	11.5	6.7	13.3	-	-	14.2	8.4	6.0	5.1
Oct 16	8.5	9.9	1.2	6.8	-	-	12.3	9.6	-	8.6
Oct 17	4.7	7.7	6.5	0.7	-	8.4	18.3	3.4	-	6.7
Oct 18	12.3	-	3.7	-	-	13.6	20.9	2.1	-	0.4
Oct 19	6.7	-	14.8	-	-	17.8	17.1	0.5	10.4	6.6
Oct 20	2.4	4.7	16.5	8.2	4.3	13.0	10.0	7.6	15.7	8.3
Oct 21	-	5.5	11.8	11.0	-	9.2	6.9	4.2	13.6	10.8
Oct 22	10.4	8.3	6.1	11.7	-	16.6	-	11.2	13.4	4.8
Oct 23	13.4	9.8	7.3	22.1	-	13.9	-	6.0	9.8	2.2
Oct 24	11.5	6.4	18.0	24.4	-	6.4	3.9	-	6.4	1.0
Oct 25	6.5	5.2	20.0	19.0	6.4	8.7	3.9	-	7.1	-
Oct 26	0.7	6.8	7.4	14.5	4.8	10.4	8.9	-	2.2	0.5
Oct 27	5.6	4.7	-	6.7	5.9	19.5	7.1	-	0.7	2.3
Oct 28	14.8	7.4	3.4	13.2	12.4	23.3	4.6	1.5	21.8	9.9
Oct 29	11.9	1.5	5.6	9.3	18.4	20.5	4.4	14.1	22.5	18.9
Oct 30	6.2	-	10.1	5.7	14.7	18.7	5.2	9.5	18.6	20.8
Oct 31	5.3	-	9.5	5.4	5.3	14.2	2.0	6.8	18.5	17.9

Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Sep 01	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 02	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 03	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 04	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 05	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 06	-	-	-	-	4.7	-	0.0	0.0	0.0	0.0	0.0
Sep 07	-	-	-	-	1.1	-	0.0	0.0	0.0	0.0	0.0
Sep 08	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 09	-	-	-	-	0.4	-	0.0	0.0	0.0	0.0	0.0
Sep 10	-	-	-	-	2.0	-	0.0	0.0	0.0	0.0	0.0
Sep 11	-	-	-	-	1.9	-	0.0	0.0	0.0	0.0	0.0
Sep 12	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 13	-	-	3.0	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 14	-	-	1.1	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 15	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 16	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 17	0.2	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 18	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 19	-	-	-	-	-	-	1.0	8.8	0.0	0.0	0.0
Sep 20	-	-	-	-	-	-	0.0	7.1	0.0	0.0	0.0
Sep 21	-	-	-	-	-	-	0.0	8.2	0.0	0.0	0.0
Sep 22	-	-	-	-	-	-	0.0	5.3	0.0	0.0	0.0
Sep 23	0.5	7.9	-	-	-	-	0.0	0.0	3.0	3.8	0.3
Sep 24	-	2.8	-	-	-	-	0.0	1.1	3.2	0.0	0.0
Sep 25	1.0	-	-	-	-	-	0.0	0.8	0.5	0.0	0.0
Sep 26	0.8	0.2	0.3	-	-	-	0.0	0.0	0.0	0.0	0.0
Sep 27	1.9	-	-	-	-	-	0.0	0.0	0.0	3.9	2.7
Sep 28	3.1	-	-	-	-	-	0.0	0.0	0.0	6.1	0.0
Sep 29	3.0	0.4	-	-	-	-	0.0	3.3	0.0	4.3	0.0
Sep 30	0.4	-	-	-	2.2	-	0.0	3.8	0.0	7.9	0.0
Oct 01	-	-	4.8	-	5.1	-	0.0	0.0	0.0	6.5	0.0
Oct 02	-	-	9.9	-	1.0	-	0.0	7.6	0.0	6.4	0.0
Oct 03	-	-	4.1	-	1.1	-	0.0	6.9	0.0	8.7	0.0
Oct 04	-	11.6	4.6	-	-	-	0.0	6.4	0.0	6.6	0.0
Oct 05	-	10.4	5.7	-	-	-	2.7	4.5	0.0	2.9	0.0
Oct 06	-	0.5	3.6	-	-	-	0.0	0.6	0.0	0.1	0.0
Oct 07	-	-	-	-	-	-	0.0	0.0	0.0	0.0	9.3
Oct 08	6.5	-	-	1.9	-	-	2.4	0.0	0.0	8.6	12.0
Oct 09	4.9	-	-	4.5	-	-	0.1	0.0	0.0	7.4	4.2
Oct 10	0.8	-	7.2	8.6	-	-	1.6	0.0	0.0	5.7	0.0
Oct 11	-	-	3.6	8.2	-	-	0.0	0.0	0.0	2.3	1.9
Oct 12	-	4.9	-	5.7	-	4.2	0.0	0.0	0.0	0.0	2.9
Oct 13	1.1	-	-	-	0.2	6.4	1.4	0.9	0.0	1.5	0.0
Oct 14	3.3	-	3.3	4.7	-	4.3	3.4	1.5	0.0	7.7	3.3
Oct 15	0.9	4.2	4.0	2.1	-	-	0.6	0.0	0.0	0.5	10.7
Oct 16	-	6.8	8.6	-	9.9	-	9.7	9.0	4.1	0.0	12.9
Oct 17	0.1	2.2	12.4	-	12.5	4.9	12.0	12.4	10.6	5.7	7.4
Oct 18	3.8	5.2	18.6	-	10.3	11.9	10.6	9.1	7.5	21.6	8.4
Oct 19	8.1	10.6	17.5	-	5.3	2.8	6.7	3.7	5.2	20.5	4.0
Oct 20	12.1	5.1	11.6	-	3.0	8.1	2.9	0.0	2.2	16.5	8.7
Oct 21	5.9	6.9	7.5	6.0	1.3	18.2	0.0	0.0	0.0	12.5	4.8
Oct 22	5.6	12.2	2.5	14.3	-	13.5	4.6	0.0	2.5	8.1	8.9
Oct 23	15.5	10.8	-	6.5	2.0	10.1	10.9	0.0	4.9	7.9	12.5
Oct 24	16.6	10.5	2.7	1.7	7.4	14.9	6.3	0.0	0.0	7.6	8.4
Oct 25	23.6	3.7	-	11.4	13.4	15.6	0.7	10.4	0.0	2.4	2.7
Oct 26	15.0	4.4	12.3	8.4	13.8	17.0	0.0	4.4	10.4	6.5	0.0
Oct 27	9.3	1.2	6.8	-	6.2	13.2	0.0	0.5	8.5	8.8	0.0
Oct 28	6.5	-	-	2.9	0.3	8.7	0.0	0.0	3.4	8.0	0.0
Oct 29	4.1	3.7	5.5	-	20.4	12.9	0.1	0.0	9.2	6.9	0.0
Oct 30	0.3	12.7	11.3	-	15.6	11.8	0.0	12.2	10.2	7.7	0.0
Oct 31	-	15.6	8.2	0.3	8.2	2.2	6.6	11.6	8.4	3.0	20.0

Date	Billing System			Month	HDD	Month	30-YR HDD	month	year
	30-year avg.	30-year avg.	month	Dec-20	682.9	12			2020
Sep 01	0.0	0.0	9.0						
Sep 02	0.1	0.1	9.0						
Sep 03	0.1	0.1	9.0						
Sep 04	0.1	0.1	9.0						
Sep 05	0.1	0.1	9.0						
Sep 06	0.3	0.3	9.0						
Sep 07	0.0	0.0	9.0						
Sep 08	0.0	0.0	9.0						
Sep 09	0.1	0.1	9.0						
Sep 10	0.1	0.1	9.0						
Sep 11	0.1	0.1	9.0						
Sep 12	0.0	0.0	9.0						
Sep 13	0.2	0.2	9.0						
Sep 14	0.1	0.1	9.0						
Sep 15	0.2	0.2	9.0						
Sep 16	0.7	0.7	9.0						
Sep 17	0.5	0.5	9.0						
Sep 18	0.3	0.3	9.0						
Sep 19	0.8	0.8	9.0						
Sep 20	0.7	0.7	9.0						
Sep 21	0.6	0.6	9.0						
Sep 22	0.6	0.6	9.0						
Sep 23	1.4	1.4	9.0						
Sep 24	1.5	1.5	9.0						
Sep 25	0.9	0.9	9.0						
Sep 26	0.7	0.7	9.0						
Sep 27	0.7	0.7	9.0						
Sep 28	0.9	0.9	9.0						
Sep 29	2.0	2.0	9.0						
Sep 30	2.1	2.1	9.0						
Oct 01	2.5	2.5	10.0						
Oct 02	2.9	2.9	10.0						
Oct 03	2.7	2.7	10.0						
Oct 04	2.7	2.7	10.0						
Oct 05	2.4	2.4	10.0						
Oct 06	2.1	2.1	10.0						
Oct 07	2.9	2.9	10.0						
Oct 08	4.2	4.2	10.0						
Oct 09	3.6	3.6	10.0						
Oct 10	2.9	2.9	10.0						
Oct 11	3.4	3.4	10.0						
Oct 12	3.1	3.1	10.0						
Oct 13	3.1	3.1	10.0						
Oct 14	4.3	4.3	10.0						
Oct 15	5.5	5.5	10.0						
Oct 16	5.8	5.8	10.0						
Oct 17	6.8	6.8	10.0						
Oct 18	7.9	7.9	10.0						
Oct 19	7.7	7.7	10.0						
Oct 20	7.4	7.4	10.0						
Oct 21	7.0	7.0	10.0						
Oct 22	7.5	7.5	10.0						
Oct 23	8.2	8.2	10.0						
Oct 24	7.5	7.5	10.0						
Oct 25	7.5	7.5	10.0						
Oct 26	7.6	7.6	10.0						
Oct 27	6.4	6.4	10.0						
Oct 28	7.9	7.9	10.0						
Oct 29	9.5	9.5	10.0						
Oct 30	8.6	8.6	10.0						
Oct 31	8.0	8.0	10.0						

Date	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Nov 01		12.8	4.4	4.6	5.3	7.0	-	11.1	4.0	19.6
Nov 02		12.2	1.6	19.1	11.6	8.2	13.9	8.4	1.1	18.3
Nov 03		8.3	9.9	23.5	12.1	17.1	23.8	2.8	1.8	16.1
Nov 04		4.6	23.7	17.1	19.3	19.4	18.0	7.2	8.8	12.8
Nov 05		0.6	26.8	11.2	17.6	18.7	12.4	16.2	14.0	14.9
Nov 06		3.9	17.7	4.0	16.9	23.4	5.7	10.1	16.6	16.3
Nov 07		11.4	16.5	-	15.9	20.4	6.6	7.8	10.9	18.8
Nov 08		8.5	25.5	12.8	18.1	16.8	10.2	1.3	6.1	12.1
Nov 09		-	26.9	22.7	13.8	9.8	4.6	3.4	12.8	5.2
Nov 10		14.4	15.1	28.6	13.8	1.6	5.1	16.3	7.4	-
Nov 11		18.4	19.5	27.9	14.3	12.4	8.6	16.5	12.6	4.0
Nov 12		18.1	25.5	26.7	18.8	15.2	13.0	16.6	19.6	12.9
Nov 13		11.3	21.5	20.9	25.9	14.1	8.2	11.9	18.9	20.9
Nov 14		9.0	26.4	22.6	22.2	13.0	4.0	21.1	12.3	16.6
Nov 15		6.1	29.4	28.0	20.3	11.4	16.6	23.6	12.8	10.5
Nov 16		9.6	25.2	25.3	28.6	8.6	21.4	20.4	6.2	12.0
Nov 17		11.8	22.6	15.5	29.3	10.1	21.5	24.1	10.2	21.7
Nov 18		3.9	18.8	14.1	24.1	15.3	18.1	26.4	14.7	23.2
Nov 19		8.2	14.9	11.3	22.0	7.1	7.0	31.3	9.1	19.8
Nov 20		8.5	17.9	11.7	15.8	10.8	5.5	27.8	20.2	14.5
Nov 21		8.0	19.2	21.0	16.3	21.4	6.3	34.2	24.4	14.1
Nov 22		12.8	25.6	25.2	9.5	21.3	6.0	29.1	18.0	23.2
Nov 23		22.9	16.1	23.7	14.8	6.5	5.6	24.4	10.5	22.8
Nov 24		23.6	25.0	15.4	23.4	9.5	6.5	23.3	5.3	15.2
Nov 25		18.0	23.8	6.2	23.0	12.3	2.7	21.4	2.8	13.9
Nov 26		19.0	13.9	18.6	14.8	12.0	9.7	18.8	4.9	16.5
Nov 27		22.2	9.7	28.4	15.8	12.1	13.1	19.8	2.0	28.8
Nov 28		14.5	6.1	29.7	11.8	9.8	11.5	18.5	1.8	32.7
Nov 29		19.9	23.4	24.7	7.1	7.6	18.8	16.8	-	20.0
Nov 30		17.9	24.0	17.6	9.4	4.6	31.3	25.0	6.2	20.2
Dec 01		22.5	14.0	9.5	19.3	9.7	30.4	23.2	8.7	31.4
Dec 02		18.9	13.3	21.6	18.1	9.6	21.3	28.2	15.5	23.7
Dec 03		7.7	10.5	21.2	15.7	7.3	14.0	34.0	18.2	25.2
Dec 04		2.7	14.0	23.8	17.1	4.2	12.6	30.1	12.2	35.7
Dec 05		3.6	21.3	27.4	28.0	3.1	5.8	25.9	7.3	31.7
Dec 06		6.2	20.2	18.6	33.0	-	19.3	28.5	4.9	32.1
Dec 07		5.1	29.6	21.8	31.6	-	25.9	22.8	2.9	31.6
Dec 08		16.7	28.1	23.6	28.2	-	22.3	19.0	5.1	25.5
Dec 09		19.6	28.2	28.6	23.5	15.4	12.1	24.0	14.5	30.5
Dec 10		14.8	35.9	18.7	21.0	15.2	14.9	26.6	20.8	28.7
Dec 11		27.6	33.8	8.9	20.4	15.4	23.3	17.6	15.3	26.0
Dec 12		29.5	25.7	7.9	25.1	21.2	16.8	27.9	14.9	22.8
Dec 13		27.7	20.4	16.2	23.4	19.5	10.8	30.0	9.2	25.4
Dec 14		22.4	16.1	20.0	28.8	23.6	18.1	24.9	5.4	26.3
Dec 15		22.3	9.0	24.0	25.4	22.1	18.6	25.4	14.4	21.7
Dec 16	14.7	23.8	16.6	24.5	21.0	16.9	24.3	19.7	14.7	18.3
Dec 17	23.1	18.8	22.2	19.8	18.5	25.7	23.5	29.3	8.5	24.1
Dec 18	21.0	20.5	27.8	23.5	21.3	23.1	17.7	28.0	15.2	21.9
Dec 19	23.2	25.7	26.9	35.1	17.7	16.9	19.6	35.3	16.5	14.4
Dec 20	28.2	24.9	33.0	37.8	13.0	12.3	18.9	37.5	25.0	18.4
Dec 21	26.6	19.6	35.3	34.7	19.5	3.3	18.4	33.0	24.1	19.3
Dec 22	31.1	17.2	35.7	26.2	24.3	20.9	24.0	36.7	24.9	16.2
Dec 23	27.5	15.3	36.3	14.5	20.2	31.4	26.7	35.4	15.6	18.6
Dec 24	29.0	19.0	35.8	17.3	18.9	30.2	31.9	30.0	25.6	25.1
Dec 25	30.5	17.5	31.8	27.8	18.1	32.7	36.3	37.5	27.5	29.1
Dec 26	30.2	20.3	33.1	23.6	17.5	31.7	26.2	31.4	30.0	31.3
Dec 27	20.2	22.3	31.8	18.4	27.9	26.1	25.1	28.1	27.7	28.6
Dec 28	25.2	15.3	32.5	13.2	29.3	20.5	25.9	33.9	20.8	24.1
Dec 29	32.5	18.6	30.8	7.9	30.0	22.9	25.0	33.8	24.1	17.8
Dec 30	34.9	24.3	22.9	5.8	29.6	31.7	17.1	39.1	29.2	17.6
Dec 31	33.6	25.6	17.9	8.3	34.1	30.8	14.0	34.9	30.8	7.6

Date	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Nov 01	2.3	-	7.1	1.3	4.3	9.9	13.9	12.8	17.1	17.9
Nov 02	1.1	-	3.7	18.2	14.9	5.0	13.6	15.7	16.0	15.4
Nov 03	-	1.1	2.3	26.7	12.6	8.8	10.2	13.1	8.8	12.9
Nov 04	-	10.7	1.9	27.0	14.0	6.9	12.4	17.7	15.9	15.0
Nov 05	-	16.1	1.5	23.1	6.3	7.0	13.6	18.9	18.7	20.0
Nov 06	-	12.4	6.0	13.2	19.8	5.3	17.9	24.2	14.6	26.1
Nov 07	3.2	6.6	14.2	9.8	23.7	1.6	11.6	22.4	11.8	21.1
Nov 08	15.6	14.4	16.3	7.1	21.9	13.6	7.1	9.7	11.2	17.1
Nov 09	23.0	22.4	12.9	5.3	14.7	18.4	2.9	8.5	7.3	15.3
Nov 10	18.1	18.3	14.4	0.3	21.8	19.2	8.2	10.1	18.0	10.2
Nov 11	4.0	11.1	11.4	4.0	19.3	17.5	16.3	13.6	24.2	4.3
Nov 12	-	12.8	16.5	16.5	10.5	13.0	14.8	15.0	14.1	5.0
Nov 13	21.8	20.7	21.1	9.5	4.7	11.3	7.5	17.7	8.9	21.4
Nov 14	18.9	25.4	17.6	9.8	0.4	5.1	7.2	16.1	-	22.1
Nov 15	15.5	20.2	13.4	1.8	22.3	9.9	6.8	12.1	-	24.9
Nov 16	5.5	17.9	14.7	14.8	25.8	24.4	6.7	5.8	3.7	20.5
Nov 17	4.0	11.5	11.3	18.7	18.7	24.4	8.6	17.0	25.9	16.2
Nov 18	-	5.3	11.1	21.6	9.3	33.2	9.1	18.3	26.9	13.2
Nov 19	10.8	4.1	10.1	18.6	11.1	29.7	9.3	17.1	14.4	15.4
Nov 20	13.7	5.1	11.4	23.7	7.6	20.7	13.9	13.3	2.3	18.2
Nov 21	7.0	5.4	25.2	23.7	-	35.0	17.8	10.4	2.2	16.8
Nov 22	8.4	3.7	28.5	20.4	11.2	29.1	16.1	5.4	-	19.3
Nov 23	7.6	5.3	26.9	15.6	27.2	26.3	14.6	8.3	14.2	13.2
Nov 24	16.8	2.9	21.0	15.5	22.2	20.7	12.4	12.4	17.9	27.9
Nov 25	24.5	25.1	20.5	16.6	19.5	25.9	16.2	9.2	16.3	23.5
Nov 26	18.0	25.4	20.0	15.3	7.2	25.9	19.0	24.5	8.6	13.3
Nov 27	6.5	18.2	9.9	11.5	18.3	17.5	21.3	24.5	1.2	19.1
Nov 28	21.0	18.4	14.2	4.1	19.7	13.5	17.0	26.0	9.2	25.0
Nov 29	28.9	20.6	21.5	2.0	16.9	24.3	7.8	17.3	24.9	22.6
Nov 30	15.8	9.3	26.4	-	22.2	22.2	19.8	5.1	24.0	17.5
Dec 01	18.2	19.8	26.4	9.7	17.1	26.2	18.0	27.7	23.9	13.4
Dec 02	23.7	19.7	16.4	18.5	12.1	30.6	8.6	27.2	18.2	7.7
Dec 03	30.1	23.4	19.3	20.4	22.5	24.8	18.6	25.3	20.5	6.1
Dec 04	31.1	21.6	19.9	29.5	23.6	17.8	18.6	31.3	13.6	3.4
Dec 05	27.6	13.9	23.7	25.9	22.5	26.9	29.6	32.7	7.0	12.6
Dec 06	27.4	12.3	27.5	15.6	29.9	28.4	29.8	38.1	0.8	17.1
Dec 07	29.7	2.2	20.8	30.2	22.1	32.4	23.1	40.1	18.2	14.3
Dec 08	25.7	11.5	15.4	38.0	6.6	25.1	23.1	36.0	24.8	7.9
Dec 09	17.0	13.4	27.8	29.6	3.8	6.0	10.1	32.6	20.9	4.1
Dec 10	16.9	12.6	34.3	22.6	1.5	3.8	26.8	29.2	26.4	4.5
Dec 11	26.3	22.1	32.2	20.2	-	7.3	34.7	24.2	27.0	17.2
Dec 12	24.6	18.1	30.1	14.8	1.5	25.6	-	30.4	23.0	22.1
Dec 13	29.5	25.3	29.6	16.1	3.7	27.2	24.3	40.9	12.6	25.7
Dec 14	31.1	34.1	28.0	14.7	12.4	19.3	15.8	42.1	14.4	21.8
Dec 15	25.2	35.6	24.8	13.6	26.6	7.5	16.2	34.1	5.7	13.7
Dec 16	16.1	27.7	26.3	13.7	27.8	19.3	28.7	28.7	13.5	11.3
Dec 17	28.5	25.2	27.2	11.0	32.2	12.2	26.0	29.1	25.6	9.7
Dec 18	25.3	25.4	29.9	9.1	27.0	10.0	31.4	32.4	26.2	18.0
Dec 19	31.3	37.1	37.7	13.4	23.8	3.2	29.6	33.5	17.2	14.5
Dec 20	36.3	38.9	39.6	19.5	17.8	9.4	28.6	30.6	9.1	16.7
Dec 21	27.4	23.0	38.6	12.6	22.1	28.0	28.7	24.0	3.7	27.0
Dec 22	20.5	7.8	22.2	4.3	15.5	37.7	28.6	23.3	0.9	26.7
Dec 23	7.9	21.4	8.7	13.4	13.5	27.8	26.1	32.5	17.1	18.0
Dec 24	23.4	32.9	14.7	15.2	20.5	12.7	23.3	27.9	22.8	18.9
Dec 25	31.9	35.1	24.4	16.9	20.5	15.1	21.6	31.5	21.4	16.3
Dec 26	29.0	33.4	28.7	21.9	23.2	20.2	25.8	37.4	19.9	23.7
Dec 27	22.5	35.3	25.6	26.1	15.9	9.3	21.8	36.4	18.7	27.5
Dec 28	20.8	30.1	24.1	22.6	11.1	5.8	30.3	30.6	25.6	25.6
Dec 29	10.2	17.2	24.3	16.3	8.1	16.6	31.3	30.2	22.3	25.3
Dec 30	24.3	15.8	30.4	11.6	18.3	11.7	28.5	27.6	11.0	29.8
Dec 31	22.5	14.3	32.6	5.6	20.8	30.1	23.6	18.3	16.5	18.2

Date	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Nov 01	4.3	21.6	3.1	4.5	1.7	-	18.7	14.5	12.1	2.4	26.3
Nov 02	11.0	23.1	4.8	-	2.2	7.8	16.9	21.0	8.0	4.8	24.8
Nov 03	15.9	14.6	4.1	-	-	15.7	18.2	14.8	6.0	4.2	19.2
Nov 04	18.8	8.3	3.1	8.4	8.0	7.4	11.2	11.6	7.4	0.0	11.5
Nov 05	12.8	4.1	-	13.4	4.0	3.9	6.9	6.8	9.6	0.0	8.1
Nov 06	5.8	10.4	-	10.2	-	5.2	12.1	2.5	9.5	0.0	5.5
Nov 07	13.9	18.7	3.6	14.8	10.5	3.4	8.0	1.1	19.3	0.0	1.1
Nov 08	21.5	16.5	14.5	8.7	18.9	9.5	26.5	0.0	24.7	9.0	0.0
Nov 09	15.3	16.8	13.4	13.5	18.1	16.2	25.5	0.0	22.6	7.2	0.0
Nov 10	11.4	11.6	8.8	13.6	21.1	25.5	14.3	0.0	11.3	1.0	12.1
Nov 11	18.1	6.9	9.4	9.0	25.4	22.2	7.6	0.0	8.2	0.0	13.5
Nov 12	26.2	4.8	4.4	22.7	19.4	21.1	32.9	4.8	27.6	6.2	16.5
Nov 13	30.5	20.2	14.2	16.5	16.5	16.7	32.8	7.6	23.0	25.7	12.9
Nov 14	22.1	32.2	20.1	14.1	20.5	24.0	24.0	6.6	19.8	20.9	13.1
Nov 15	11.3	27.5	17.2	15.6	19.0	26.1	18.3	6.1	18.6	21.7	13.4
Nov 16	7.8	19.0	12.9	11.8	14.5	21.6	20.5	16.0	4.3	22.0	6.1
Nov 17	1.1	23.2	7.4	10.1	17.8	18.7	18.3	18.8	4.1	28.0	3.1
Nov 18	8.1	37.1	-	6.1	5.2	16.0	20.4	23.9	2.7	24.5	9.5
Nov 19	19.5	27.8	5.4	16.8	22.6	10.2	18.2	20.6	27.3	19.4	15.3
Nov 20	18.6	20.9	16.6	24.1	20.5	18.8	18.4	11.5	28.3	29.1	12.0
Nov 21	12.0	26.3	14.0	22.6	10.7	19.8	12.7	9.5	23.8	22.9	11.1
Nov 22	5.7	20.1	25.3	22.3	17.4	22.9	9.2	7.2	23.4	16.2	17.5
Nov 23	20.3	7.2	27.8	12.6	25.2	27.4	17.2	17.8	23.9	14.5	18.0
Nov 24	34.6	1.1	20.9	6.7	19.5	22.3	21.1	19.2	10.2	11.3	18.1
Nov 25	27.7	13.6	17.9	5.6	14.3	14.5	18.9	7.1	3.4	13.4	24.4
Nov 26	20.6	22.8	11.1	21.5	20.1	21.9	10.9	6.1	6.3	10.8	20.8
Nov 27	33.4	27.0	9.4	22.4	19.8	30.7	11.2	8.4	6.2	5.8	23.6
Nov 28	31.2	28.9	5.6	8.0	13.1	31.6	16.6	13.5	0.0	13.9	30.6
Nov 29	26.7	20.1	4.0	-	13.2	16.9	15.1	9.2	0.0	10.3	27.8
Nov 30	27.8	10.6	18.6	1.4	9.4	8.9	14.6	18.6	2.6	17.9	18.9
Dec 01	21.6	8.4	12.8	16.4	9.1	12.2	14.4	29.8	0.0	26.3	10.8
Dec 02	16.5	20.3	10.3	18.3	15.7	5.4	24.0	26.6	9.1	13.8	2.6
Dec 03	10.8	13.6	23.3	19.4	14.7	13.0	22.2	18.2	12.6	13.0	8.2
Dec 04	5.8	15.7	24.2	22.8	12.7	22.0	17.8	12.3	16.7	23.8	14.9
Dec 05	-	18.9	22.2	14.7	6.2	30.4	19.9	23.3	24.9	18.3	18.6
Dec 06	-	16.0	18.5	22.0	20.8	26.7	18.7	19.9	20.4	13.5	25.6
Dec 07	21.0	22.6	16.1	14.7	21.4	23.6	22.1	28.0	14.8	6.1	20.9
Dec 08	29.6	25.8	17.5	25.3	30.7	28.3	21.3	30.3	14.6	9.0	13.1
Dec 09	21.0	22.5	13.3	33.7	32.7	31.1	13.3	21.6	11.4	17.5	5.5
Dec 10	27.7	26.8	8.1	32.9	30.2	31.4	14.2	16.0	5.4	17.8	15.4
Dec 11	27.5	27.1	5.5	23.8	21.7	28.6	27.6	12.1	6.3	18.1	28.0
Dec 12	30.8	21.4	5.6	17.5	28.2	26.3	26.9	6.9	1.7	21.6	26.0
Dec 13	22.4	18.9	1.5	18.1	26.0	20.6	23.0	7.7	10.5	27.4	19.7
Dec 14	23.6	21.1	3.6	23.5	22.4	20.6	20.1	23.2	18.4	23.9	26.5
Dec 15	25.5	19.0	8.4	34.8	29.6	17.8	16.6	26.7	18.6	24.3	22.6
Dec 16	20.7	18.3	7.6	36.2	27.2	16.4	3.5	28.5	20.8	23.2	15.1
Dec 17	17.3	19.2	8.1	16.0	18.6	16.2	16.8	24.8	11.3	25.3	14.6
Dec 18	25.2	21.4	24.3	12.9	15.5	21.9	28.8	30.1	5.0	29.5	23.4
Dec 19	15.1	20.4	27.7	28.5	5.1	17.3	30.6	24.7	7.1	27.1	32.0
Dec 20	9.0	25.1	20.9	31.0	16.1	9.1	22.2	21.9	23.6	28.4	28.7
Dec 21	-	22.3	12.7	20.7	18.5	17.5	26.3	17.6	24.1	24.4	21.2
Dec 22	0.5	27.0	5.1	17.0	10.3	25.0	21.1	22.8	11.3	22.3	20.3
Dec 23	16.3	20.0	-	18.8	7.0	18.4	15.2	12.8	21.5	48.1	16.2
Dec 24	31.6	12.1	-	13.0	20.2	26.5	14.7	18.5	29.8	44.9	11.7
Dec 25	32.3	23.1	-	11.7	31.2	26.3	20.0	39.5	25.9	38.5	8.7
Dec 26	26.9	19.9	-	10.9	28.3	22.8	15.1	33.7	13.4	33.0	8.6
Dec 27	27.8	11.4	-	8.9	33.0	19.1	10.7	25.6	24.3	29.5	10.8
Dec 28	17.6	10.5	8.4	16.1	39.6	10.5	4.4	19.6	21.0	25.2	19.8
Dec 29	19.5	20.4	2.3	20.0	30.6	12.0	0.0	23.6	17.5	16.5	25.0
Dec 30	20.8	30.8	2.1	29.5	28.4	11.9	11.4	22.7	28.0	9.8	26.2
Dec 31	26.0	29.8	9.7	20.9	41.6	2.3	20.0	13.9	19.9	9.4	21.4

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Date	Billing System			Month	HDD	Month	30-YR HDD	month	year
	30-year avg.	30-year avg.	month	Dec-20	682.9			12	2020
Nov 01	8.8	8.8	11.0						
Nov 02	10.7	10.7	11.0						
Nov 03	10.8	10.8	11.0						
Nov 04	11.6	11.6	11.0						
Nov 05	10.9	10.9	11.0						
Nov 06	10.5	10.5	11.0						
Nov 07	11.0	11.0	11.0						
Nov 08	13.2	13.2	11.0						
Nov 09	12.6	12.6	11.0						
Nov 10	12.4	12.4	11.0						
Nov 11	12.7	12.7	11.0						
Nov 12	15.7	15.7	11.0						
Nov 13	17.2	17.2	11.0						
Nov 14	16.2	16.2	11.0						
Nov 15	16.0	16.0	11.0						
Nov 16	15.1	15.1	11.0						
Nov 17	15.8	15.8	11.0						
Nov 18	15.3	15.3	11.0						
Nov 19	15.8	15.8	11.0						
Nov 20	16.0	16.0	11.0						
Nov 21	16.5	16.5	11.0						
Nov 22	16.7	16.7	11.0						
Nov 23	17.3	17.3	11.0						
Nov 24	16.7	16.7	11.0						
Nov 25	16.1	16.1	11.0						
Nov 26	15.9	15.9	11.0						
Nov 27	16.6	16.6	11.0						
Nov 28	16.6	16.6	11.0						
Nov 29	15.6	15.6	11.0						
Nov 30	15.6	15.6	11.0						
Dec 01	17.7	17.7	12.0						
Dec 02	17.2	17.2	12.0						
Dec 03	17.8	17.8	12.0						
Dec 04	18.4	18.4	12.0						
Dec 05	19.1	19.1	12.0						
Dec 06	19.7	19.7	12.0						
Dec 07	20.5	20.5	12.0						
Dec 08	20.9	20.9	12.0						
Dec 09	19.5	19.5	12.0						
Dec 10	20.0	20.0	12.0						
Dec 11	20.9	20.9	12.0						
Dec 12	19.8	19.8	12.0						
Dec 13	20.4	20.4	12.0						
Dec 14	21.5	21.5	12.0						
Dec 15	21.0	21.0	12.0						
Dec 16	20.3	20.3	12.0						
Dec 17	20.2	20.2	12.0						
Dec 18	22.4	22.4	12.0						
Dec 19	22.8	22.8	12.0						
Dec 20	23.4	23.4	12.0						
Dec 21	21.6	21.6	12.0						
Dec 22	19.9	19.9	12.0						
Dec 23	19.8	19.8	12.0						
Dec 24	22.3	22.3	12.0						
Dec 25	25.0	25.0	12.0						
Dec 26	24.0	24.0	12.0						
Dec 27	22.5	22.5	12.0						
Dec 28	21.2	21.2	12.0						
Dec 29	20.0	20.0	12.0						
Dec 30	21.6	21.6	12.0						
Dec 31	20.7	20.7	12.0						