

NATIONAL FUEL GAS DISTRIBUTION CORPORATION - PENNSYLVANIA DIVISION  
Transmission And Storage - Capacity Allocation

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Normal DD	1170	1027	911	543	267	61	7	11	106	379	653	1012	6147
Normalized Load	165957	152008	134306	94796	62741	40491	34264	35406	49051	79400	110904	149967	1109291
Monthly Base Load (Average of July & August)					34835	D	Mcf/Month		36577		Dth/Month		
Daily Base Load				[ G/151 ]	1153	E	Mcf/Day		1211		Dth/Day		
Normalized Winter Heat Load													
Winter Load (Jan, Feb, Mar, Nov & Dec)					713142	F	Mcf		748799		Dth		
Winter Base Load				[ D*5 ]	174175	G	Mcf		182884		Dth		
Winter Heat Load				[ F-G ]	538967	H	Mcf		565915		Dth		
Peak Day Requirement													
Winter DD (Jan, Feb, Mar, Nov & Dec)					4773	I							
Heat Load/DD				[ H/I ]	112.9	J	Mcf/DD		119		Dth/DD		
Extreme Peak Day for DD =		74	****		9509.1	K	Mcf		9985		Dth		
Supplier Peak Req.		62	****		8154.0	L	Mcf		8562		Dth		
Extreme Peak Storage Requirement				[ K-L ]	1355.1	M	Mcf	[ M*O ]	1423	Q	Dth		
NFGDC Retainage					0.15%	N							
BTU Factor					1.0500	O							
City Gate Requirement				[ K*O/(1-N) ]	10000	P	Dth	[ Q/(1-N) ]	1425	R	Dth		

Capacity Requirements at City Gate

C.1. Released ESS/EFT	52%	4459	S	Dth
C.2. Released Transmission Upstream of NFGSC	48%	4116	T	Dth
C.3. Upstream Co. Retained FT	0%	0	U(1)	Dth
C.4. SATS Supplier Provided Capacity	0%	0	U(2)	Dth
	[ P-R ]	8575		
Peak Balancing Service	[ R ]	1425		Dth
		10000		

C.1. Storage Capacity Assignment Calculation

MSQ	[ S*46.678 ]	208137	V	Dth
MDWQ	[ S ]	4459	W	Dth
MDIQ	[ V/170 ]	1224	X	Dth

Upstream Pipeline Capacity Assignment into NFGSC

C.1. Released ESS/EFT		#N/A		
C.2. Released Transmission Upstream of NFGSC	[ T/0.9897 ]	4159	Y	Dth
C.3. Upstream Co. Retained FT	[ U(1)/0.9897 ]	0	Z(1)	Dth
C.4. SATS Supplier Provided Capacity	[ U(2)/0.9897 ]	0	Z(2)	Dth

NFGSC Retainage 1.03%

UPSTREAM CAPACITY COST ANALYSIS based upon rates effective 02/1/2021		
NFGSC EFT	8,575	Dth
Rate	\$ 4.6710	\$/Dth
Annual Amount	\$ 480,645.90	\$
NFGSC ESS MDWQ	4,459	Dth
Rate	\$ 2.7432	\$/Dth
Annual Amount	\$ 146,783.15	\$
NFGSC ESS MSQ	208,137	Dth
Rate	\$ 0.0499	\$/Dth
Annual Amount	\$ 124,632.44	\$
Upstream FT	4,159	Dth
Rate	\$ 7.9220	\$/Dth
Annual Amount	\$ 395,371.18	\$
Total Annual Costs	\$ 1,147,432.66	\$
Average Total Monthly Costs	\$ 95,619.39	\$
Upstream FT Capacity Daily Release Rate	\$ 0.2604	\$/Dth