

# RATES • 2020

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## ANNUAL RATES (G-AFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - MFV RATE DESIGN

		2020
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	13.5578
Usage Charge	(\$/Dth)	0.1635
Total	(\$/Dth@Full Contract)	0.6092
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	14.8870
Usage Charge	(\$/Dth)	0.1717
Total	(\$/Dth@Full Contract)	0.6611
<b>Baja to On-System Core (Through March 31)</b>		
Reservation Charge	(\$/Dth/mo)	16.5621
Usage Charge	(\$/Dth)	0.1997
Total	(\$/Dth@Full Contract)	0.7442
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	17.9270
Usage Charge	(\$/Dth)	0.2067
Total	(\$/Dth@Full Contract)	0.7961
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	11.1722
Usage Charge	(\$/Dth)	0.1350
Total	(\$/Dth@Full Contract)	0.5023

## SEASONAL RATES (G-SFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - MFV RATE DESIGN

		2020
<b>Redwood to On-System Core (Begins April 1)</b>		
Reservation Charge	(\$/Dth/mo)	16.2694
Usage Charge	(\$/Dth)	0.1962
Total	(\$/Dth@Full Contract)	0.7311
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	17.8644
Usage Charge	(\$/Dth)	0.2060
Total	(\$/Dth@Full Contract)	0.7933
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	19.8746
Usage Charge	(\$/Dth)	0.2397
Total	(\$/Dth@Full Contract)	0.8931
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	21.5124
Usage Charge	(\$/Dth)	0.2481
Total	(\$/Dth@Full Contract)	0.9553
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	13.4066
Usage Charge	(\$/Dth)	0.1620
Total	(\$/Dth@Full Contract)	0.6028

## ANNUAL RATES (G-AFTOFF) - FIRM BACKBONE CHARGE OFF-SYSTEM DELIVERIES - MFV RATE DESIGN

		2020
<b>Redwood to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	14.8870
Usage Charge	(\$/Dth)	0.1717
Total	(\$/Dth@Full Contract)	0.6611
<b>Baja to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	17.9270
Usage Charge	(\$/Dth)	0.2067
Total	(\$/Dth@Full Contract)	0.7961
<b>Silverado and Mission to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	14.8870
Usage Charge	(\$/Dth)	0.1717
Total	(\$/Dth@Full Contract)	0.6611

## ANNUAL RATES (G-AFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - SFV RATE DESIGN

		2020
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	18.4477
Usage Charge	(\$/Dth)	0.0027
Total	(\$/Dth@Full Contract)	0.6092
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	20.0078
Usage Charge	(\$/Dth)	0.0033
Total	(\$/Dth@Full Contract)	0.6611
<b>Baja to On-System Core (Through March 31)</b>		
Reservation Charge	(\$/Dth/mo)	22.5356
Usage Charge	(\$/Dth)	0.0033
Total	(\$/Dth@Full Contract)	0.7442
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	24.0935
Usage Charge	(\$/Dth)	0.0040
Total	(\$/Dth@Full Contract)	0.7961
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	15.2032
Usage Charge	(\$/Dth)	0.0025
Total	(\$/Dth@Full Contract)	0.5023

## SEASONAL RATES (G-SFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - SFV RATE DESIGN

		2020
<b>Redwood to On-System Core (Begins April 1)</b>		
Reservation Charge	(\$/Dth/mo)	22.1372
Usage Charge	(\$/Dth)	0.0033
Total	(\$/Dth@Full Contract)	0.7311
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	24.0094
Usage Charge	(\$/Dth)	0.0040
Total	(\$/Dth@Full Contract)	0.7933
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	27.0427
Usage Charge	(\$/Dth)	0.0040
Total	(\$/Dth@Full Contract)	0.8931
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	28.9122
Usage Charge	(\$/Dth)	0.0048
Total	(\$/Dth@Full Contract)	0.9553
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	18.2438
Usage Charge	(\$/Dth)	0.0030
Total	(\$/Dth@Full Contract)	0.6028

## ANNUAL RATES (G-AFTOFF) - FIRM BACKBONE CHARGE OFF-SYSTEM DELIVERIES - SFV RATE DESIGN

		2020
<b>Redwood to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	20.0078
Usage Charge	(\$/Dth)	0.0033
Total	(\$/Dth@Full Contract)	0.6611
<b>Baja to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	24.0935
Usage Charge	(\$/Dth)	0.0040
Total	(\$/Dth@Full Contract)	0.7961
<b>Silverado and Mission to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	20.0078
Usage Charge	(\$/Dth)	0.0033
Total	(\$/Dth@Full Contract)	0.6611

## AS-AVAILABLE RATES (G-AA) - BACKBONE TRANSPORTATION ON-SYSTEM DELIVERIES

		2020
<b>Redwood to On-System</b>		
Usage Charge	(\$/Dth)	0.7933
<b>Baja to On-System</b>		
Usage Charge	(\$/Dth)	0.9553
<b>Silverado to On-System</b>		
Usage Charge	(\$/Dth)	0.6028
<b>Mission to On-System</b>		
Usage Charge	(\$/Dth)	0.0000

## AS-AVAILABLE RATES (G-AAOFF) - BACKBONE TRANSPORTATION OFF-SYSTEM DELIVERIES

		2020
<b>Redwood to Off-System</b>		
Usage Charge	(\$/Dth)	0.7933
<b>Baja to Off-System</b>		
Usage Charge	(\$/Dth)	0.9553
<b>Silverado to Off-System</b>		
Usage Charge	(\$/Dth)	0.7933
<b>Mission to Off-System from Citygate</b>		
Usage Charge	(\$/Dth)	0.7933
<b>Mission to Off-System from On-System Storage</b>		
Usage Charge	(\$/Dth)	0.0000

## MAXIMUM RATES (G-NFS) - NEGOTIATED FIRM STORAGE

		2020
<b>Volumetric Rate</b>		
Injection (per day)	(\$/Dth)	5.7236
Inventory	(\$/Dth)	3.5541
Withdrawal (per day)	(\$/Dth)	26.1629

## MAXIMUM RATES (G-NAS) - NEGOTIATED AS-AVAILABLE STORAGE

		2020
<b>Volumetric Rate</b>		
Injection (per day)	(\$/Dth)	5.7236
Withdrawal (per day)	(\$/Dth)	26.1629

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## ANNUAL RATES (G-AFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - MFV RATE DESIGN

		2021
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	15.0130
Usage Charge	(\$/Dth)	0.1939
Total	(\$/Dth@Full Contract)	0.6875
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	16.3309
Usage Charge	(\$/Dth)	0.1925
Total	(\$/Dth@Full Contract)	0.7294
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	n/a
Usage Charge	(\$/Dth)	n/a
Total	(\$/Dth@Full Contract)	n/a
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	20.1370
Usage Charge	(\$/Dth)	0.2374
Total	(\$/Dth@Full Contract)	0.8994
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	12.6452
Usage Charge	(\$/Dth)	0.1574
Total	(\$/Dth@Full Contract)	0.5731

## ANNUAL RATES (G-AFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - SFV RATE DESIGN

		2021
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	20.8302
Usage Charge	(\$/Dth)	0.0027
Total	(\$/Dth@Full Contract)	0.6875
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	22.0809
Usage Charge	(\$/Dth)	0.0035
Total	(\$/Dth@Full Contract)	0.7294
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	n/a
Usage Charge	(\$/Dth)	n/a
Total	(\$/Dth@Full Contract)	n/a
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	27.2272
Usage Charge	(\$/Dth)	0.0043
Total	(\$/Dth@Full Contract)	0.8994
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	17.3534
Usage Charge	(\$/Dth)	0.0026
Total	(\$/Dth@Full Contract)	0.5731

## AS-AVAILABLE RATES (G-AA) - BACKBONE TRANSPORTATION ON-SYSTEM DELIVERIES

		2021
<b>Redwood to On-System</b>		
Usage Charge	(\$/Dth)	0.8753
<b>Baja to On-System</b>		
Usage Charge	(\$/Dth)	1.0793
<b>Silverado to On-System</b>		
Usage Charge	(\$/Dth)	0.6878
<b>Mission to On-System</b>		
Usage Charge	(\$/Dth)	0.0000

## SEASONAL RATES (G-SFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - MFV RATE DESIGN

		2021
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	18.0156
Usage Charge	(\$/Dth)	0.2327
Total	(\$/Dth@Full Contract)	0.8250
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	19.5971
Usage Charge	(\$/Dth)	0.2310
Total	(\$/Dth@Full Contract)	0.8753
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	22.4702
Usage Charge	(\$/Dth)	0.2903
Total	(\$/Dth@Full Contract)	1.0290
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	24.1644
Usage Charge	(\$/Dth)	0.2848
Total	(\$/Dth@Full Contract)	1.0793
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	15.1742
Usage Charge	(\$/Dth)	0.1889
Total	(\$/Dth@Full Contract)	0.6878

## SEASONAL RATES (G-SFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - SFV RATE DESIGN

		2021
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	24.9963
Usage Charge	(\$/Dth)	0.0032
Total	(\$/Dth@Full Contract)	0.8250
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	26.4971
Usage Charge	(\$/Dth)	0.0042
Total	(\$/Dth@Full Contract)	0.8753
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	31.1770
Usage Charge	(\$/Dth)	0.0040
Total	(\$/Dth@Full Contract)	1.0290
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	32.6726
Usage Charge	(\$/Dth)	0.0051
Total	(\$/Dth@Full Contract)	1.0793
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	20.8241
Usage Charge	(\$/Dth)	0.0031
Total	(\$/Dth@Full Contract)	0.6878

## AS-AVAILABLE RATES (G-AAOFF) - BACKBONE TRANSPORTATION OFF-SYSTEM DELIVERIES

		2021
<b>Redwood to Off-System</b>		
Usage Charge	(\$/Dth)	0.8753
<b>Baja to Off-System</b>		
Usage Charge	(\$/Dth)	1.0793
<b>Silverado to Off-System</b>		
Usage Charge	(\$/Dth)	0.8753
<b>Mission to Off-System from Citygate</b>		
Usage Charge	(\$/Dth)	0.8753
<b>Mission to Off-System from On-System Storage</b>		
Usage Charge	(\$/Dth)	0.0000

## ANNUAL RATES (G-AFTOFF) - FIRM BACKBONE CHARGE OFF-SYSTEM DELIVERIES - MFV RATE DESIGN

		2021
<b>Redwood to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	16.3309
Usage Charge	(\$/Dth)	0.1925
Total	(\$/Dth@Full Contract)	0.7294
<b>Baja to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	20.1370
Usage Charge	(\$/Dth)	0.2374
Total	(\$/Dth@Full Contract)	0.8994
<b>Silverado and Mission to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	16.3309
Usage Charge	(\$/Dth)	0.1925
Total	(\$/Dth@Full Contract)	0.7294

## ANNUAL RATES (G-AFTOFF) - FIRM BACKBONE CHARGE OFF-SYSTEM DELIVERIES - SFV RATE DESIGN

		2021
<b>Redwood to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	22.0809
Usage Charge	(\$/Dth)	0.0035
Total	(\$/Dth@Full Contract)	0.7294
<b>Baja to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	27.2272
Usage Charge	(\$/Dth)	0.0043
Total	(\$/Dth@Full Contract)	0.8994
<b>Silverado and Mission to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	22.0809
Usage Charge	(\$/Dth)	0.0035
Total	(\$/Dth@Full Contract)	0.7294

## ANNUAL RATES (G-SFS) - STANDARD FIRM STORAGE

		2021
<b>Annual Reservation Charge</b>		
Contract Inventory	(\$/Dth/mo)	n/a

## ANNUAL RATES (G-CFS) - CORE FIRM STORAGE

		2021
<b>Annual Reservation Charge (Through March 31)</b>		
Contract Inventory	(\$/Dth/mo)	0.4306
<b>Annual Reservation Charge (Begins April 1)</b>		
Contract Inventory	(\$/Dth/mo)	0.4318

## MAXIMUM RATES (G-NFS) - NEGOTIATED FIRM STORAGE

		2021
<b>Volumetric Rate</b>		
Injection (per day)	(\$/Dth)	5.7236
Inventory	(\$/Dth)	3.5541
Withdrawal (per day)	(\$/Dth)	26.1629

## MAXIMUM RATES (G-NAS) - NEGOTIATED AS-AVAILABLE STORAGE

		2021
<b>Volumetric Rate</b>		
Injection (per day)	(\$/Dth)	5.7236
Withdrawal (per day)	(\$/Dth)	26.1629

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## ANNUAL RATES (G-AFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - MFV RATE DESIGN

		2022
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	15.4990
Usage Charge	(\$/Dth)	0.2084
Total	(\$/Dth@Full Contract)	0.7180
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	16.7183
Usage Charge	(\$/Dth)	0.2022
Total	(\$/Dth@Full Contract)	0.7518
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	n/a
Usage Charge	(\$/Dth)	n/a
Total	(\$/Dth@Full Contract)	n/a
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	20.7209
Usage Charge	(\$/Dth)	0.2506
Total	(\$/Dth@Full Contract)	0.9318
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	12.9629
Usage Charge	(\$/Dth)	0.1657
Total	(\$/Dth@Full Contract)	0.5919

## SEASONAL RATES (G-SFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - MFV RATE DESIGN

		2022
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	18.5988
Usage Charge	(\$/Dth)	0.2501
Total	(\$/Dth@Full Contract)	0.8616
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	20.0620
Usage Charge	(\$/Dth)	0.2426
Total	(\$/Dth@Full Contract)	0.9022
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	23.2616
Usage Charge	(\$/Dth)	0.3128
Total	(\$/Dth@Full Contract)	1.0776
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	24.8651
Usage Charge	(\$/Dth)	0.3007
Total	(\$/Dth@Full Contract)	1.1182
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	15.5555
Usage Charge	(\$/Dth)	0.1989
Total	(\$/Dth@Full Contract)	0.7103

## ANNUAL RATES (G-AFTOFF) - FIRM BACKBONE CHARGE OFF-SYSTEM DELIVERIES - MFV RATE DESIGN

		2022
<b>Redwood to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	16.7183
Usage Charge	(\$/Dth)	0.2022
Total	(\$/Dth@Full Contract)	0.7518
<b>Baja to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	20.7209
Usage Charge	(\$/Dth)	0.2506
Total	(\$/Dth@Full Contract)	0.9318
<b>Silverado and Mission to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	16.7183
Usage Charge	(\$/Dth)	0.2022
Total	(\$/Dth@Full Contract)	0.7518

## ANNUAL RATES (G-AFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - SFV RATE DESIGN

		2022
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	21.7537
Usage Charge	(\$/Dth)	0.0028
Total	(\$/Dth@Full Contract)	0.7180
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	22.7597
Usage Charge	(\$/Dth)	0.0036
Total	(\$/Dth@Full Contract)	0.7518
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	n/a
Usage Charge	(\$/Dth)	n/a
Total	(\$/Dth@Full Contract)	n/a
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	28.2087
Usage Charge	(\$/Dth)	0.0044
Total	(\$/Dth@Full Contract)	0.9318
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	17.9215
Usage Charge	(\$/Dth)	0.0027
Total	(\$/Dth@Full Contract)	0.5919

## SEASONAL RATES (G-SFT) - FIRM BACKBONE CHARGE ON-SYSTEM DELIVERIES - SFV RATE DESIGN

		2022
<b>Redwood to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	26.1044
Usage Charge	(\$/Dth)	0.0034
Total	(\$/Dth@Full Contract)	0.8616
<b>Redwood to On-System</b>		
Reservation Charge	(\$/Dth/mo)	27.3116
Usage Charge	(\$/Dth)	0.0043
Total	(\$/Dth@Full Contract)	0.9022
<b>Baja to On-System Core</b>		
Reservation Charge	(\$/Dth/mo)	32.6488
Usage Charge	(\$/Dth)	0.0042
Total	(\$/Dth@Full Contract)	1.0776
<b>Baja to On-System</b>		
Reservation Charge	(\$/Dth/mo)	33.8504
Usage Charge	(\$/Dth)	0.0053
Total	(\$/Dth@Full Contract)	1.1182
<b>Silverado and Mission to On-System</b>		
Reservation Charge	(\$/Dth/mo)	21.5059
Usage Charge	(\$/Dth)	0.0032
Total	(\$/Dth@Full Contract)	0.7103

## ANNUAL RATES (G-AFTOFF) - FIRM BACKBONE CHARGE OFF-SYSTEM DELIVERIES - SFV RATE DESIGN

		2022
<b>Redwood to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	22.7597
Usage Charge	(\$/Dth)	0.0036
Total	(\$/Dth@Full Contract)	0.7518
<b>Baja to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	28.2087
Usage Charge	(\$/Dth)	0.0044
Total	(\$/Dth@Full Contract)	0.9318
<b>Silverado and Mission to Off-System</b>		
Reservation Charge	(\$/Dth/mo)	22.7597
Usage Charge	(\$/Dth)	0.0036
Total	(\$/Dth@Full Contract)	0.7518

## AS-AVAILABLE RATES (G-AA) - BACKBONE TRANSPORTATION ON-SYSTEM DELIVERIES

		2022
<b>Redwood to On-System</b>		
Usage Charge	(\$/Dth)	0.9022
<b>Baja to On-System</b>		
Usage Charge	(\$/Dth)	1.1182
<b>Silverado to On-System</b>		
Usage Charge	(\$/Dth)	0.7103
<b>Mission to On-System</b>		
Usage Charge	(\$/Dth)	0.0000

## AS-AVAILABLE RATES (G-AAOFF) - BACKBONE TRANSPORTATION OFF-SYSTEM DELIVERIES

		2022
<b>Redwood to Off-System</b>		
Usage Charge	(\$/Dth)	0.9022
<b>Baja to Off-System</b>		
Usage Charge	(\$/Dth)	1.1182
<b>Silverado to Off-System</b>		
Usage Charge	(\$/Dth)	0.9022
<b>Mission to Off-System from Citygate</b>		
Usage Charge	(\$/Dth)	0.9022
<b>Mission to Off-System from On-System Storage</b>		
Usage Charge	(\$/Dth)	0.0000

## MAXIMUM RATES (G-NFS) - NEGOTIATED FIRM STORAGE

		2022
<b>Volumetric Rate</b>		
Injection (per day)	(\$/Dth)	5.7236
Inventory	(\$/Dth)	3.5541
Withdrawal (per day)	(\$/Dth)	26.1629

## MAXIMUM RATES (G-NAS) - NEGOTIATED AS-AVAILABLE STORAGE

		2022
<b>Volumetric Rate</b>		
Injection (per day)	(\$/Dth)	5.7236
Withdrawal (per day)	(\$/Dth)	26.1629

# Transportation Path Table

RECEIPT POINTS	DELIVERY POINTS									
	Onyx Hill	Malin	Citygate	Storage	Kern River Station	Freemont Peak	Daggett	Essex	Topock North and South	California Gas Production
Onyx Hill	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Malin	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Citygate	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Storage	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Kern River Station	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Freemont Peak	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Daggett	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Essex	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Topock North and South	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
California Gas Production	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF

# Pool Table

SOURCES	DESTINATIONS				
	TSA	RECEIPT POOL (R)eceipt	DELIVERY POOL (N)ormal or (F)irm	PARK/LEND	NGSA (Citygate)
TSA	TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	TRANSPORT REQUIRED
RECEIPT POOL (R)eceipt	TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	TRANSPORT REQUIRED
DELIVERY POOL (N)ormal or (F)irm	NO TRANSPORT REQUIRED	TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	TRANSPORT REQUIRED
PARK/LEND	TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	NO TRANSPORT REQUIRED	TRANSPORT REQUIRED

Source and Destination are at the SAME location

Source and Destination are at DIFFERENT locations

Source and Destination combination is not valid

Source and Destination combination is not valid

## Citygate Diagram

### WHAT IS THE CITYGATE?

The Citygate is any point at which the backbone transmission system connects to the local transmission and distribution system. The Citygate is not one specific, physical location. It is a virtual trading point on CGT's system.

### WHAT IS AT THE CITYGATE?

- Citygate Market Center Accounts
- PG&E Storage
- Citygate Receipt/Delivery Pools
- Third Party On-System Storage



### HOW DO I GET TO THE CITYGATE?

- On-system transportation
- Redwood On
  - Silverado On
  - BAJA On

### HOW DO I MOVE FROM ONE CITYGATE LOCATION TO ANOTHER?

- Mission On transportation

### WHERE CAN I GO FROM THE CITYGATE?

- To an off-system destination by using Mission Off transportation
- To a PG&E end-use customer by nominating directly to their destination ID

## Nomination Timeline

### TIMELY NOMINATIONS

Submitted (day before) no later than 11:00 a.m.  
 Confirmed by 2:30 p.m.\*  
 Scheduled by 3:00 p.m.\*\*  
 Flow will be effective 7:00 a.m. the following day

### EVENING NOMINATIONS

Submitted (day before) no later than 4:00 p.m.  
 Confirmed by 6:30 p.m.\*  
 Scheduled by 7:00 p.m.\*\*  
 Flow will be effective 7:00 a.m. the following day

### INTRADAY 1 NOMINATIONS \*\*\*

Submitted (on gas day) no later than 8:00 a.m.  
 Confirmed by 10:30 a.m.\*  
 Scheduled by 11:00 a.m.\*\*  
 Flow will be effective 12:00 noon the same day

### INTRADAY 2 NOMINATIONS \*\*\*

Submitted (on gas day) no later than 12:30 p.m.  
 Confirmed by 3:00 p.m.\*  
 Scheduled by 3:30 p.m.\*\*  
 Flow will be effective 4:00 p.m. the same day

### INTRADAY 3 NOMINATIONS \*\*\*

Submitted (on gas day) no later than 5:00 p.m.  
 Confirmed by 7:30 p.m.\*  
 Scheduled by 8:00 p.m.\*\*  
 Flow will be effective 8:00 p.m. the same day

\* PG&E will attempt, but cannot guarantee, delivery of the Customer Nomination /PG&E Confirmation (100) Report by the times shown (gas Rule 21)

\*\* PG&E will attempt, but cannot guarantee, delivery of the Customer Nomination/PG&E Scheduled Volumes (110) Report by the times shown (gas Rule 21)

\*\*\* For Intraday nominations, you will not be able to reduce your scheduled volume below the amount that has already flowed

## A GUIDE TO CALIFORNIA GAS TRANSMISSION



# System Information

## CALIFORNIA GAS TRANSMISSION

CGT is a business unit of the northern California utility Pacific Gas and Electric Company. CGT operates and maintains PG&E's natural gas transmission and storage assets. These assets provide backbone transportation and storage services, which CGT markets through its Gold Coast Transportation and Golden Gate Market Center business lines.

### LINE 300 (Baja Path)

1,004 miles of 34" pipe  
 Firm Capacity 1,035 MMcf/d (December - February)  
 Firm Capacity 1,010 MMcf/d (March - November)

#### INTERCONNECTS WITH:

El Paso Natural Gas	at Topock South
Kern River Station	at Daggett
High Desert Lateral	at Freemont Peak
Questar Southern Trails	at Essex
Southern California Gas	at Kern River Station
Transwestern	at Topock North

### LINE 400/401 (Redwood Path)

725 miles of 36" and 42" pipe  
 Firm Capacity 2,062 MMcf/d

#### INTERCONNECTS WITH:

TransCanada's GTN System	at Malin
Ruby Pipeline	at Onyx Hill

### CGT'S UNDERGROUND STORAGE

Maximum Working Gas 107.1 MMDth

# California's Natural Gas Pipeline System



# Western Natural Gas Pipeline System



# Products

## GOLD COAST TRANSPORTATION



CGT offers backbone transportation service through its Gold Coast Transportation business line. There are several features and transportation paths to choose from:

- Firm or As-Available Service
- Standard or Negotiated Service
- Seasonal, Annual or Multi-Year Service
- Off-System Service
- Rates Based on Transportation Path

## GOLDEN GATE MARKET CENTER



CGT's Golden Gate Market Center offers parking and lending services as well as storage.

- Parking and Lending Minimum of one day
- Storage - Firm Service Minimum of one year to a maximum of 15 years
- Storage - Negotiated As-Available Minimum of one day
- Storage - Negotiated Firm Minimum of one day to a maximum of 15 years

## TRANSPORTATION PATHS

Transportation rates are differentiated by path, reflecting facilities used to provide service. Each service on each transmission path requires the execution of a separate exhibit.



# Legend

- PG&E Gas Service Territory
- PG&E Backbone
- PG&E Local Transmission
- Interconnection
- Compressor Station
- PG&E Gas Storage
- Independent Storage Providers
- Gill Ranch Storage LLC / PG&E
- SoCal Gas Storage
- SoCal Gas
- Kern/Mojave
- Kern River Gas Transmission
- KRGT High Desert Lateral
- Mojave
- North Baja
- Questar Southern Trails
- San Diego Gas & Electric

[www.piperanger.com](http://www.piperanger.com)

# Pipe Ranger

