

 U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration	ANNUAL REPORT FOR CALENDAR YEAR 2021 GAS DISTRIBUTION SYSTEM	Initial Date Submitted:	03/14/2022
		Report Submission Type	SUPPLEMENTAL
		Date Submitted:	03/15/2022

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Important: Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at <http://www.phmsa.dot.gov/pipeline/library/forms>.

PART A - OPERATOR INFORMATION	(DOT use only)	20221096-46370
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1. Name of Operator	SOUTHWEST GAS CORP
2. LOCATION OF OFFICE (WHERE ADDITIONAL INFORMATION MAY BE OBTAINED)	
2a. Street Address	8350 S. Durango Drive
2b. City and County	Las Vegas Clark
2c. State	NV
2d. Zip Code	89113
3. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER	18536
4. HEADQUARTERS NAME & ADDRESS	
4a. Street Address	8350 S. Durango Drive
4b. City and County	LAS VEGAS
4c. State	NV
4d. Zip Code	89113
5. STATE IN WHICH SYSTEM OPERATES	CA
6. THIS REPORT PERTAINS TO THE FOLLOWING COMMODITY GROUP (Select Commodity Group based on the predominant gas carried and complete the report for that Commodity Group. File a separate report for each Commodity Group included in this OPID.)	
Natural Gas	
7. THIS REPORT PERTAINS TO THE FOLLOWING TYPE OF OPERATOR (Select Type of Operator based on the structure of the company included in this OPID for which this report is being submitted.):	
Privately Owned	

PART B - SYSTEM DESCRIPTION

1.GENERAL											
	STEEL				PLASTIC	CAST/ WROUGHT IRON	DUCTILE IRON	COPPE R	OTHER	RECONDIT ED CAST IRON	SYSTEM TOTAL
	UNPROTECTED		CATHODICALLY PROTECTED								
	BARE	COATED	BARE	COATED							
MILES OF MAIN	0	0	0	526.150	2694.202	0	0	0	0	0	3220.352
NO. OF SERVICES				8302	175271	0	0	0	0	0	183573

2.MILES OF MAINS IN SYSTEM AT END OF YEAR							
MATERIAL	UNKNOWN	2" OR LESS	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8" THRU 12"	OVER 12"	SYSTEM TOTALS
STEEL	0	135.789	195.644	167.405	20.543	6.769	526.15
DUCTILE IRON	0	0	0	0	0	0	0
COPPER	0	0	0	0	0	0	0
CAST/WROUGHT IRON	0	0	0	0	0	0	0
PLASTIC PVC	0	0.031	0	0	0	0	0.031
PLASTIC PE	0	2274.631	364.380	55.160	0	0	2694.171
PLASTIC ABS	0	0	0	0	0	0	0
PLASTIC OTHER	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
RECONDITIONED CAST IRON	0	0	0	0	0	0	0
TOTAL	0	2410.451	560.024	222.565	20.543	6.769	3220.352
Describe Other Material:							
3.NUMBER OF SERVICES IN SYSTEM AT END OF YEAR					AVERAGE SERVICE LENGTH: 74		
MATERIAL	UNKNOWN	1" OR LESS	OVER 1" THRU 2"	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8"	SYSTEM TOTALS
STEEL	0	8250	34	13	5	0	8302
DUCTILE IRON	0	0	0	0	0	0	0
COPPER	0	0	0	0	0	0	0
CAST/WROUGHT IRON	0	0	0	0	0	0	0
PLASTIC PVC	0	0	0	0	0	0	0
PLASTIC PE	0	173721	1533	17	0	0	175271
PLASTIC ABS	0	0	0	0	0	0	0
PLASTIC OTHER	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
RECONDITIONED CAST IRON	0	0	0	0	0	0	0
TOTAL	0	181971	1567	30	5	0	183573
Describe Other Material:							
4.MILES OF MAIN AND NUMBER OF SERVICES BY DECADE OF INSTALLATION							

	UNKNOWN	PRE-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000-2009	2010-2019	2020-2029	TOTAL
MILES OF MAIN	97.870	0	.005	98.011	66.608	236.754	467.783	602.499	1001.543	545.459	103.820	3220.352
NUMBER OF SERVICES	7141	0	0	29	463	7418	32310	35219	66835	26059	8099	183573

PART C - TOTAL LEAKS AND HAZARDOUS LEAKS ELIMINATED/REPAIRED DURING THE YEAR

CAUSE OF LEAK	MAINS		SERVICES	
	TOTAL	HAZARDOUS	TOTAL	HAZARDOUS
CORROSION FAILURE	2	0	2	1
NATURAL FORCE DAMAGE	2	1	6	3
EXCAVATION DAMAGE	9	9	95	94
OTHER OUTSIDE FORCE DAMAGE	1	1	28	22
PIPE, WELD OR JOINT FAILURE	5	1	67	4
EQUIPMENT FAILURE	7	2	385	7
INCORRECT OPERATIONS	16	3	8	6
OTHER CAUSE	0	0	0	0

NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR : 5
NUMBER OF HAZARDOUS LEAKS INVOLVING A MECHANICAL JOINT FAILURE : 10

PART D - EXCAVATION DAMAGE

1. TOTAL NUMBER OF EXCAVATION DAMAGES BY APPARENT ROOT CAUSE: 117

a. One-Call Notification Practices Not Sufficient: 50

b. Locating Practices Not Sufficient: 20

c. Excavation Practices Not Sufficient: 40

d. Other: 7

PART E - EXCESS FLOW VALUE (EFV) AND SERVICE VALVE DATA

Total Number Of Services with EFV Installed During Year: 4371

Estimated Number Of Services with EFV In the System At End Of Year: 42890

* Total Number of Manual Service Line Shut-off Valves Installed During Year: 23

* Estimated Number of Services with Manual Service Line Shut-off Valves Installed in the System at End of Year: 73

**These questions were added to the report in 2017.*

2. NUMBER OF EXCAVATION TICKETS : 47221

PART F - LEAKS ON FEDERAL LAND

TOTAL NUMBER OF LEAKS ON FEDERAL LAND REPAIRED OR SCHEDULED TO REPAIR: 0

PART G-PERCENT OF UNACCOUNTED FOR GAS

UNACCOUNTED FOR GAS AS A PERCENT OF TOTAL CONSUMPTION FOR THE 12 MONTHS ENDING JUNE 30 OF THE REPORTING YEAR.

[(PURCHASED GAS + PRODUCED GAS) MINUS (CUSTOMER USE + COMPANY USE + APPROPRIATE ADJUSTMENTS)] DIVIDED BY (CUSTOMER USE + COMPANY USE + APPROPRIATE ADJUSTMENTS) TIMES 100 EQUALS PERCENT UNACCOUNTED FOR.

FOR YEAR ENDING 6/30: -1.05%

PART H - ADDITIONAL INFORMATION

PART I - PREPARER	
Daren S. Turner, Administrator/Compliance (Preparer's Name and Title)	(702) 830-6138 _____ (Area Code and Telephone Number)
daren.turner@swgas.com (Preparer's email address)	_____ (Area Code and Facsimile Number)