

 U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration	ANNUAL REPORT FOR CALENDAR YEAR 2022 GAS DISTRIBUTION SYSTEM	Initial Date Submitted:	03/14/2023
		Report Submission Type	INITIAL
		Date Submitted:	

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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)	20231076-51721
1. Name of Operator		SOUTHWEST GAS CORP	
2. LOCATION OF OFFICE (WHERE ADDITIONAL INFORMATION MAY BE OBTAINED)			
2a. Street Address		8360 S. Durango Drive	
2b. City and County		LAS VEGAS	
2c. State		NV	
2d. Zip Code		89113	
3. OPERATOR'S 5 DIGIT IDENTIFICATION NUMBER		18536	
4. HEADQUARTERS NAME & ADDRESS			
4a. Street Address		8360 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.):			
Investor Owned			

PART B - SYSTEM DESCRIPTION											
1.GENERAL											
	STEEL				PLASTIC	CAST/ WROUGHT IRON	DUCTILE IRON	COPPER	OTHER	RECONDITION ED CAST IRON	SYSTEM TOTAL
	UNPROTECTED		CATHODICALLY PROTECTED								
	BARE	COATED	BARE	COATED							
MILES OF MAIN	0	0	0	510.62	2723.258	0	0	0	0	0	3233.878
NO. OF SERVICES	0	0	0	8045	177640	0	0	0	0	0	185685

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	127.25	190.868	165.19	20.543	6.769	510.62					
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	2295.086	370.927	57.214	0	0	2723.227					
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	2422.367	561.795	222.404	20.543	6.769	3233.878					
Describe Other Material:												
3. NUMBER OF SERVICES IN SYSTEM AT END OF YEAR							AVERAGE SERVICE LENGTH: 75					
MATERIAL	UNKNOWN	1" OR LESS	OVER 1" THRU 2"	OVER 2" THRU 4"	OVER 4" THRU 8"	OVER 8"	SYSTEM TOTALS					
STEEL	0	7996	30	14	5	0	8045					
DUCTILE IRON	0	0	0	0	0	0	0					
COOPER	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	176020	1603	17	0	0	177640					
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	184016	1633	31	5	0	185685					
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	88.06	0	0.005	96.329	64.423	218.493	465.874	595.547	1002.226	542.502	160.419	3233.878
NUMBER OF SERVICES	6899	0	0	0	412	7104	31307	34631	66395	25352	13585	185685
PART C - TOTAL LEAKS AND HAZARDOUS LEAKS ELIMINATED/REPAIRED DURING THE YEAR												

CAUSE OF LEAK	MAINS		SERVICES	
	TOTAL	HAZARDOUS	TOTAL	HAZARDOUS
CORROSION FAILURE	0	0	1	1
NATURAL FORCE DAMAGE	1	0	20	16
EXCAVATION DAMAGE	14	14	118	118
OTHER OUTSIDE FORCE DAMAGE	1	1	35	26
PIPE, WELD OR JOINT FAILURE	10	1	35	3
EQUIPMENT FAILURE	8	2	367	10
INCORRECT OPERATIONS	19	1	9	5
OTHER CAUSE	0	0	1	0
NUMBER OF KNOWN SYSTEM LEAKS AT END OF YEAR SCHEDULED FOR REPAIR : 7 NUMBER OF HAZARDOUS LEAKS INVOLVING A MECHANICAL JOINT FAILURE : 7				

PART D - EXCAVATION DAMAGE	PART E - EXCESS FLOW VALUE (EFV) AND SERVICE VALUE DATA
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<p>1. TOTAL NUMBER OF EXCAVATION DAMAGES BY APPARENT ROOT CAUSE: <u>149</u></p> <p>a. One-Call Notification Practices Not Sufficient: <u>61</u></p> <p>b. Locating Practices Not Sufficient: <u>22</u></p> <p>c. Excavation Practices Not Sufficient: <u>59</u></p> <p>d. Other: <u>7</u></p>	<p>Total Number Of Services with EFV Installed During Year : <u>4353</u></p> <p>Estimated Number Of Services with EFV In the System At End Of Year: <u>43456</u></p> <p>* Total Number of Manual Service Line Shut-off Valves Installed During Year: <u>2</u></p> <p>* Estimated Number of Services with Manual Service Line Shut-off Valves Installed in the System at End of Year: <u>70</u></p> <p><i>*These questions were added to the report in 2017.</i></p>
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2. NUBMER OF EXCAVATION TICKETS <u>61483</u>	
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PART F - LEAKS ON FEDERAL LAND	PART G - PERCENT OF UNACCOUNTED FOR GAS
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<p>TOTAL NUMBER OF LEAKS ON FEDERAL LAND REPAIRED OR SCHEDULED TO REPAIR: <u>0</u></p>	<p>UNACCOUNTED FOR GAS AS A PERCENT OF TOTAL CONSUMPTION FOR THE 12 MONTHS ENDING JUNE 30 OF THE REPORTING YEAR.</p> <p>[(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.</p> <p>FOR YEAR ENDING 6/30: <u>0.74%</u></p>
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PART H - ADDITIONAL INFORMATION

PART I - PREPARER

<u>Alyse Baker Administrator/Compliance</u> (Preparer's Name and Title)	<u>(702) 364-3272</u> (Area Code and Telephone Number)
<u>Alyse.Baker@swgas.com</u> (Preparer's email address)	<u>(702) 876-4238</u> (Area Code and Facsimile Number)