

**Black Hills Colorado Gas, Inc.**  
**SSIR Five-Year Plan - Capital Expenditures**  
**Program Summary**

	2023	2024	2025	2026	2027	Total
<b>DIMP</b>						
<i>Thin-Walled Steel</i>	\$ 8,245,675	\$ 1,776,986	\$ 5,148,173	\$ 2,174,277	\$ -	\$ 17,345,112
<i>Vintage TBS/DRS Equipment Replacement</i>	\$ 526,213	\$ -	\$ 1,545,429	\$ -	\$ 1,604,115	\$ 3,675,757
<i>Poorly Coated Steel</i>	\$ 2,400,435	\$ 4,689,853	\$ -	\$ -	\$ -	\$ 7,090,288
<i>Regulator Station Barricade</i>	\$ -	\$ 154,350	\$ 416,745	\$ 72,930	\$ -	\$ 644,025
<b>TIMP</b>						
<i>Vintage Pipe</i>	\$ 2,439,500	\$ 7,166,250	\$ -	\$ -	\$ -	\$ 9,605,750
<b>DIIP</b>						
<i>Data Initiative</i>	\$ 1,591,273	\$ 3,680,024	\$ -	\$ -	\$ -	\$ 5,271,297
<b>Total SSIR Budget 2023-2027</b>	<b>\$ 15,203,096</b>	<b>\$ 17,467,463</b>	<b>\$ 7,110,347</b>	<b>\$ 2,247,208</b>	<b>\$ 1,604,115</b>	<b>\$ 43,632,229</b>

Colorado PUC E-Filings System

Black Hills Colorado Gas, Inc.  
SSIR Five-Year Plan - Capital Expenditures  
DIMP - Thin-Walled Steel

Project Title	Project Description	Project Location	Risk Assessment Level	Work Order	2023 Costs	2024 Costs	2025 Costs	2026 Costs	2027 Costs	Cumulative Costs
La Junta Vintage Steel Replacement - Crowley	The project will replace approximately 15,498' of 2" steel distribution main with new HDPE. The area identified for replacement will be replaced in its entirety (Refer to attached map for areas). The areas identified in the replacement are currently protected with rectifiers and anodes. Once these areas are replaced with HDPE, we will also retire the rectifiers protecting this system. The pipeline being replaced was installed in the 1940's using accepted construction practices at that time in which there was inadequate external coating on the pipeline and no cathodic protection which leads to corrosion issues.	Base Rate Area 2; Crowley, Colorado	2023: Tier 2 - 2,193.00 (High)	Funding Project # 10057882	\$ 775,166					\$ 775,166 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
					\$ 775,166	\$ -	\$ -	\$ -	\$ -	\$ 775,166
La Junta Vintage Steel Replacement - Rocky Ford to Ordway	The project will replace approximately 10,560' of 4" steel distribution main with new X52 fusion bonded epoxy steel main. The area identified for replacement will be replaced in its entirety (Refer to attached map for areas). The areas identified in the replacement are currently protected with rectifiers and anodes. The pipeline being replaced was installed in the 1940's using accepted construction practices at that time in which there was inadequate external coating on the pipeline and no cathodic protection which leads to corrosion issues.	Base Rate Area 2; North Rocky Ford, Colorado	2023: Tier 2 - 2,276.9 (High) 2024: Tier 2 - 2,276.90 (High)	Funding Project # 10057882	\$ 611,881	\$ 565,434				\$ 611,881 \$ 565,434 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
					\$ 611,881	\$ 565,434	\$ -	\$ -	\$ -	\$ 1,177,315
La Junta Vintage Steel Replacement - Ordway Zone 2	The project will replace approximately 9,914' of 2" and 3,300' of 4" steel distribution main with new HDPE. The area identified for replacement will be replaced in its entirety. The areas identified in the replacement are currently protected with rectifiers and anodes. The pipeline being replaced was installed in the 1940's using accepted construction practices at that time in which there was inadequate external coating on the pipeline and no cathodic protection which leads to corrosion issues.	Base Rate Area 2; Ordway, Colorado	2023: Tier 2 - 2,363.70 (High)	Funding Project # 10057882	\$ 1,118,557					\$ 1,118,557 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
					\$ 1,118,557	\$ -	\$ -	\$ -	\$ -	\$ 1,118,557
La Junta Vintage Steel Replacement	The project will replace approximately 35,685' of 2", 4,500' of 4", and 11,500' of 5" steel distribution main with new HDPE. Once these areas are replaced with PE, we will also retire the rectifiers protecting this system. The pipeline being replaced was installed in the 1940's using accepted construction practices at that time in which there was inadequate external coating on the pipeline and no cathodic protection which leads to corrosion issues.	Base Rate Area 2; La Junta, Colorado	2023: Tier 2 - 2,423.50 (High) 2024: Tier 2 - 2,383.50 (High) 2025: Tier 2 - 2,260.70 (High)	Funding Project # 10057882 Funding Project # 10057882 Funding Project # 10057882	\$ 3,741,062	\$ 1,211,552	\$ 5,148,173			\$ 3,741,062 \$ 1,211,552 \$ 5,148,173 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
					\$ 3,741,062	\$ 1,211,552	\$ 5,148,173	\$ -	\$ -	\$ 10,100,788
La Junta Vintage Steel Replacement - RF6 Hwy 50 & CR 21 N	The project will replace approximately 1,550' of 2" steel distribution main with new HDPE. The areas identified in the replacement are currently protected with rectifiers and anodes. Once these areas are replaced with HDPE, we will also retire the rectifiers protecting this system. The pipeline being replaced was installed in the 1940's using accepted construction practices at that time in which there was inadequate external coating on the pipeline and no cathodic protection which leads to corrosion issues.	Base Rate Area 2; East Rocky Ford, Colorado	2023: Tier 2 - 1,931.8 (High)	Funding Project # 10057882	\$ 127,532					\$ 127,532 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
					\$ 127,532	\$ -	\$ -	\$ -	\$ -	\$ 127,532
La Junta Vintage Steel Replacement - Rocky Ford Zone 3	The project will replace approximately 22,973' of 2" and 3,400' of 4" of steel distribution main with new HDPE. The areas identified in the replacement are currently protected with rectifiers and anodes. Once these areas are replaced with HDPE, we will also retire the rectifiers protecting this system. The pipeline being replaced was installed in the 1940's using accepted construction practices at that time in which there was inadequate external coating on the pipeline and no cathodic protection which leads to corrosion issues.	Base Rate Area 2; Rocky Ford, Colorado	2023: Tier 2 - 2,475.50 (High) 2026: Tier 2 - 2,137.60 (High)	Funding Project # 10071526 Funding Project # 10071526	\$ 1,871,477			\$ 2,174,277		\$ 1,871,477 \$ 2,174,277 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
					\$ 1,871,477	\$ -	\$ -	\$ 2,174,277	\$ -	\$ 4,045,754
<b>DIMP - Thin-Walled Steel</b>					\$ 8,245,675	\$ 1,776,986	\$ 5,148,173	\$ 2,174,277	\$ -	\$ 17,345,112



Black Hills Colorado Gas, Inc.  
 SSIR Five-Year Plan - Capital Expenditures  
 DIMP - Poorly Coated Steel

Project Title	Project Description	Project Location	Risk Assessment Level	Work Order	2023 Costs	2024 Costs	2025 Costs	2026 Costs	2027 Costs	Cumulative Costs	
Pagosa Springs Poorly Coated Steel	The project will replace approximately 6,850' of a combination of 4", 3" and 2" steel distribution main with new 6", 4" and 2" PE, street/neighborhood/area. The pipeline being replaced was installed in 1958 year. Due to lack of cathodic protection and soil chemistry, the coating on the pipeline has gradually degraded to an inadequate level to protect against corrosion. Coated steel tends to develop coating issues where pipe is mechanically coupled, pipe girth welded using acetylene, or pipe is more than 50 years old.	Base Rate Area 2; Pagosa Springs, Colorado	2023: Tier 2 - 2,387.90 (High)	Funding Project # 10071533	\$ 2,400,435					\$ 2,400,435	
			2024: Tier 2 - 2,387.90 (High)	Funding Project #10071533		\$ 4,689,853					\$ 4,689,853
					\$ 2,400,435	\$ 4,689,853	\$ -	\$ -	\$ -	\$ -	\$ 7,090,288
<b>DIMP - Poorly Coated Steel</b>					<b>\$ 2,400,435</b>	<b>\$ 4,689,853</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,090,288</b>

Black Hills Colorado Gas, Inc.  
SSIR Five-Year Plan - Capital Expenditures  
DIMP - Regulator Station Barricade

Project Title	Project Description	Project Location	Risk Assessment Level	Work Order	2023 Costs	2024 Costs	2025 Costs	2026 Costs	2027 Costs	Cumulative Costs	
Burlington Barricade Install	The Burlington Barricade Installation project will install 24 barricades to protect regulator and valve settings from outside force damage. The project will install barricades in a phased approach over multiple years. The threat is caused by regulators being located at customer's property lines, in an alley, or adjacent to street.	Base Rate Area 3; Burlington operations district, Colorado	2024: Tier 2 - 2,508.20 (High); Tier 2 - 3,020.40 (High) 2025: Tier 2 - 1,940.8 (High); Tier 2 - 2,508.20; Tier 2 - 2,950.20 (High) 2026: Tier 2 - 2,508.20	Funding Project #10059104	\$ -	\$ 132,300				\$	132,300
				Funding Project #10059104		\$ 277,830				\$	277,830
				Funding Project #10059104			\$ 72,930			\$	72,930
					\$ -	\$ 132,300	\$ 277,830	\$ 72,930	\$ -	\$	483,060
<b>Burlington Barricade Install</b>											
Fountain Barricade Install	The Fountain Barricade Installation project will install one barricade to protect a regulator and valve settings from outside force damage near Widefield in the Fountain operations district. The threat is caused by regulators being located at customer's property lines, in an alley, or adjacent to street.	Base Rate Area 3; Widefield area, Colorado	2024: Tier 2 - 3,093.20 (High)	Funding Project #10069832		\$ 22,050				\$	22,050
									\$	-	
									\$	-	
									\$	-	
					\$ -	\$ 22,050	\$ -	\$ -	\$ -	\$	22,050
<b>Fountain Barricade Install</b>											
Castle Rock Barricade Install	The Castle Rock Barricade Installation project will install 2 barricades to protect regulator and valve settings from outside force damage in the Castle Rock operations district. The project will install barricades in Franktown. The threat is caused by regulators being located at customer's property lines, in an alley, or adjacent to street.	Base Rate Area 3; Franktown, Colorado	2025: Tier 2 - 2,939.50 (High)	Funding Project #10071520			\$ 46,305			\$	46,305
									\$	-	
									\$	-	
									\$	-	
					\$ -	\$ -	\$ 46,305	\$ -	\$ -	\$	46,305
<b>Castle Rock Barricade Install</b>											
Yuma Barricade Install	The Yuma Barricade Installation project will install 4 barricades to protect regulator and valve settings from outside force damage. The threat is caused by regulators being located at customer's property lines, in an alley, or adjacent to street.	Base Rate Area 2; Yuma, Colorado	2025: Tier 2 - 1,926.10 (High)	Funding Project #10071531			\$ 92,610			\$	92,610
									\$	-	
									\$	-	
									\$	-	
					\$ -	\$ -	\$ 92,610	\$ -	\$ -	\$	92,610
<b>Yuma Barricade Install</b>											
<b>DIMP - Regulator Station Barricade</b>					\$ -	\$ 154,350	\$ 416,745	\$ 72,930	\$ -	\$ -	\$ 644,025

Black Hills Colorado Gas, Inc.  
 SSIR Five-Year Plan - Capital Expenditures  
 DIIP - Data Initiative

Project Title	Project Description	Project Location	Risk Assessment Level	Work Order	2023 Costs	2024 Costs	2025 Costs	2026 Costs	2027 Costs	Cumulative Costs
Gas Service Card Mapping	The Gas Service Card Mapping project is a two phase project. The first phase involves adding legacy Captricity and DIMP auto generated service lines to production data and performing gap analysis to identify what spatial and attribute data is available to BHCG. The second phase includes mapping, verifying, or adjusting centerlines of roughly 39,000 electronic service line as-builts that are currently loaded in FileNet. This includes updating the pipeline and pressure attributes.	Base Rate Area 3	Not Applicable	Funding Project # 10076253	\$ 98,862	\$ -	\$ -	\$ -	\$ -	\$ 98,862
					\$ 98,862	\$ -	\$ -	\$ -	\$ -	\$ 98,862
Distribution Main and Service Centerline Surveys Project	Project involves high accuracy GPS survey of our distribution mains, services, and meters. Original construction records will be gathered, digitized, stored and linked to the GIS asset for the distribution system. Data from the survey will be used to correct the spatial location of mains and service lines and meters in GIS and add unmapped service lines to GIS. Documents will be used to help verify spatial location of assets where needed and for complex configurations.	Base Rate Area 3	Not Applicable	Funding Project # 10076253	\$ 1,166,766	\$ 2,756,761	\$ -	\$ -	\$ -	\$ 3,923,527
					\$ 1,166,766	\$ 2,756,761	\$ -	\$ -	\$ -	\$ 3,923,527
Distribution Main and Service Centerline Surveys Project	Project involves high accuracy GPS survey of our distribution mains, services, and meters. Original construction records will be gathered, digitized, stored and linked to the GIS asset for the distribution system. Data from the survey will be used to correct the spatial location of mains and service lines and meters in GIS and add unmapped service lines to GIS. Documents will be used to help verify spatial location of assets where needed and for complex configurations.	Base Rate Area 2	Not Applicable	Funding Project # 10071534	\$ 325,645	\$ 923,263	\$ -	\$ -	\$ -	\$ 1,248,908
					\$ 325,645	\$ 923,263	\$ -	\$ -	\$ -	\$ 1,248,908
<b>DIIP - Data Initiative</b>					<b>\$ 1,591,279</b>	<b>\$ 3,680,024</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,271,297</b>

Black Hills Colorado Gas, Inc.  
 SSIR Five-Year Plan - Capital Expenditures  
 TIMP - Vintage Pipe

Project Title	Project Description	Project Location	Risk Assessment Level	Work Order	2023 Costs	2024 Costs	2025 Costs	2026 Costs	2027 Costs	Cumulative Costs
Castle Rock Transmission Franktown Feeder	The "Castle Rock Trans Franktown Feeder - West" Project will be the final phase of replacing pre-1962 vintage steel pipe near Castle Rock, Colorado. This "West" final phase will replace approximately 7,500' of 4" steel transmission with new 8" steel and rebuild district regulating stations (DRSs) 39, 39A, 39B. The "West" pipeline replacement end points are DRS 39 and DRS 35.	Base Rate Area 3; Franktown, Colorado	2023: Tier 1 - 1769 (High)	Funding Project #10061539	\$ 2,439,500					\$ 2,439,500 \$ - \$ -
					\$ 2,439,500	\$ -	\$ -	\$ -	\$ -	\$ 2,439,500
Fountain Squirrel Creek Transmission Downgrade	The Squirrel Creek Transmission Downgrade Project will replace steel transmission lines in Fountain, Colorado. BHCG will replace approximately 12,500' of 4" and 2" steel with new 4" and 2" steel. There will be two DRSs rebuilt in conjunction with the project, DRS 13A and 13B.	Base Rate Area 3; Fountain, Colorado	2024: Tier 1 - 2,017.5 (High)	Funding Project #10061514		\$ 7,166,250				\$ 7,166,250 \$ - \$ - \$ - \$ -
					\$ -	\$ 7,166,250	\$ -	\$ -	\$ -	\$ 7,166,250
<b>TIMP - Vintage Pipe</b>					\$ 2,439,500	\$ 7,166,250	\$ -	\$ -	\$ -	\$ 9,605,750