

PSIA Projects - 2020
 Fourth Quarter Variance Report

Project	Description	WBS Level 2	4th Qtr YTD Actuals	4th Qtr YTD Filing	Variance	Variance Explanation
Accelerated Main Renewal Program	AMRP Main	E.0000001.001	610,855	0	610,855	AMRP replaced seven more miles of mains than anticipated in the November 2019 filing estimate.
	AMRP Main	E.0000001.005	29,932,948	34,450,000	(4,517,052)	
	AMRP-Colorado main replac	E.0010042.072	8,013,140	0	8,013,140	
	AMRP Services	E.0000001.004	7,216,387	5,380,000	1,836,387	
	AMRP - Total		45,773,329	39,830,000	5,943,329	
Programmatic Risk-Based Pipe Replacement Program	CSMRP - Coated Steel Main Replcmnt	E.0010010.006	7,222,602	18,900,000	(11,677,398)	The primary driver for increased expenditures was additional work was added to the 2020 scope.
	CSMRP - Coated Steel Main Replacement Program	E.0010042.071	14,967,916	0	14,967,916	
	CSMRP - Coated Steel Main Replacement Program	E.0010010.007	7,885,504	8,100,000	(214,496)	
		Vintage Steel	30,076,022	27,000,000	3,076,022	
	Coupled Pipe IP Pipeline Replacement Program	E.0000003.007	408	0	408	The primary driver for the variance was completion of the Blake Street 2020 Phase ahead of schedule and under budget due to sound project management and identifying and mitigating risks before commencing work.
	Coupled Pipe IP Pipeline Replacement Program	E.0010010.008	692,644	13,740,000	(13,047,356)	
	20" Brighton to York	E.0010037.031	601,196	0	601,196	
	CO/DMO 22nd and Marion St Coupled IP	E.0000048.002	543	0	543	
	CO/Coupled IP/27th-36th Blake 2019	E.0000054.001	150,274	0	150,274	
	CO/COUPIP/27th and Blake St/MR	E.0000050.001	(203,399)	0	(203,399)	
	CO/Coupled IP/29th-Downing Blake 2020	E.0000059.001	6,526,878	0	6,526,878	
		Coupled IP	9,777,150	13,740,000	(3,962,850)	
	Aldyl-A Main Replacement	E.0010010.009	1,670,151	1,680,000	(9,849)	The primary driver for increased expenditures was the increased mileage of Aldyl-A main replaced due to an increase in the 2020 scope of work.
	Aldyl-A Main Replacement	E.0010042.070	288,464	0	288,464	
	Aldyl-A Service Replacement	E.0010010.010	573,202	720,000	(146,798)	
	Aldyl-A	2,531,817	2,400,000	131,817		
	Programmatic Pipe Replacements - Subtotal	42,384,988	43,140,000	(755,012)		
Distribution Inoperable Valves	Distribution Inoperable Valves	E.0010010.003	2,828,343	6,000,000	(3,171,657)	No significant variance.
	Distribution inoperable valves in CO	E.0010042.073	3,128,669	0	3,128,669	
		Distribution Valves	5,957,012	6,000,000	(42,988)	
	Shorted Casings Replacement-Transmission Hudson	E.0010010.005	1,890,307	3,989,000	(2,098,693)	The Company planned to replace four shorted casings in 2020 and ultimately replaced one. The primary drivers for decreased project completion and capital expenditures in 2020 were permitting challenges and one project being removed from the 2020 work scope.
	Shorted Casings Replacement-Transmission Hudson	E.0010072.037	66,632	0	66,632	
	Shorted Casings Replacement-Transmission Palisade	E.0010072.040	27,227	0	27,227	
	Shorted Casings	E.0010042.080	642,952	0	642,952	
	Shorted Casings	2,627,118	3,989,000	(1,361,882)		
	DIMP - Total	50,969,118	53,129,000	(2,159,882)		
IMP Assessment Related Work	IMP - Dist Main	E.0010010.004	34,098	205,000	(170,902)	The primary driver for Transmission Pipeline Assessment and Repair variances were the additional work scope and complexities of several projects, including, but not limited to two current year additions, funding of additional valve set modifications, and anomaly repairs from prior ILI.
	IMP - Distribution Mains	E.0010042.022	3,077,118	0	3,077,118	
	IMP - Trans Reg Stn - Southern Div	E.0000018.034	0	410,000	(410,000)	
	IMP Capital Related Work	E.0000018.006	2,891,656	4,615,000	(1,723,344)	
	IMP Dist Reg Stn	E.0000009.058	0	615,000	(615,000)	
	IMP -Trans Reg Sta Work EAST	E.0000009.004	0	205,000	(205,000)	
	IMP -Trans Reg Sta Work WEST	E.0000009.013	0	205,000	(205,000)	
	IMP Gas Trans Pipe Capital EAST	E.0000018.013	1,956,004	1,230,000	726,004	
	IMP Gas Trans Pipe Capital SOUTH	E.0000018.014	1,444,723	615,000	829,723	
	IMP - Subtotal	9,403,600	8,100,000	1,303,600		
MAOP Validation Facilities	Facilities to allow MAOP validation	E.0000018.051	5,070,560	10,760,000	(5,689,440)	The primary drivers were permitting process delays on SE Metro and project scope changes on the 10" Mesa to Boulder project that led to delays in construction and project completion. Engineering and construction on several projects were pulled forward to 2020 where feasible.
	Facilities to allow MAOP valid	E.0010010.011	(1,689,185)	1,640,000	(3,329,185)	
	MAOP for Transmission Main WEST	E.0000018.010	4,119,366	0	4,119,366	
	MAOP for Transmission Main SOUTH	E.0000018.025	95,348	0	95,348	
	CO/South/Del Norte to Alamosa MAOP	E.0000047.001	122,940	0	122,940	
	20" Southeast Metro MAOP Project	E.0000060.002	17,983,220	25,000,000	(7,016,780)	
	CO/MAOP/10" Mesa to Boulder (Line I	E.0000062.001	99,274	0	99,274	
	CO/MAOP/6in Estes Park	E.0000061.001	37,769	0	37,769	
	MAOP - Subtotal	29,280,372	37,400,000	(8,119,628)		
Shorted Casings	Shorted Casings Replacement Tr	E.0000023.029	18,858	14,300,000	(14,281,142)	Due to the coronavirus pandemic, the engineering/ROW efforts on these projects were delayed due to limited abilities of permitting agencies. The program faced increased costs with some projects growing in complexity from the design process.
	CO/Replace 10" Shorted Casings	E.0010042.017	8,179,805	0	8,179,805	
	CO/Replace 10" Shorted Casings E	E.0010072.008	4,948,242	0	4,948,242	
	Shorted Casings (TIMP) Western Division	E.0010072.009	729,197	0	729,197	
	Shorted Casings - Subtotal	13,876,102	14,300,000	(423,898)		
ASV/RCV	Install shut off valves on pipe	E.0000018.061	2,679,950	4,050,000	(1,370,050)	The 2020 variance is due to the deferral of 2 large projects from 2020 to 2021 construction scope, as well as, more favorable construction pricing.
	Install automation to shut valves	E.0000020.002	1,213,648	2,017,000	(803,352)	
	Install ASV / RCV SOUTH Div	E.0000020.003	1,880,801	2,016,000	(135,199)	
	Install automation to shut valves-Mech	E.0010047.010	2,071,414	0	2,071,414	
	Install ASV/RCV Denver & SW Metro Division	E.0010052.023	145,038	0	145,038	
	Install RTU / Electronics SOUTH Div	E.0000018.012	2,457,058	4,050,000	(1,592,942)	
	Install RTU / Electronics WEST Div	E.0000018.011	45,408	50,000	(4,592)	
	Instl auto to shut valve T/MR EAST	E.0000018.030	(56,685)	0	(56,685)	
	Install ASV / RCV WEST Div	E.0000020.001	28,268	2,017,000	(1,988,732)	
	Install automation to shut valves	E.0010072.072	593,173	0	593,173	
	ASV - Subtotal	11,058,073	14,200,000	(3,141,927)		
TIMP - Total		63,618,147	74,000,000	(10,381,853)		
Grand Total		160,360,595	166,959,000	(6,598,405)		