ATTACHMENT E

KINDER MORGAN

PROJECT NAME	**EPNG NM Ozone Rule - Caprock Compressor Station**		
COMPANY NAME	El Paso Natural Gas Company	**COMPANY NO.**	5205
REQUESTED BY	[redacted]	**PREPARED BY**	[redacted]
ESTIMATE NO.	CE2107005	**ORIGINAL EST. DATE**	07/16/21
REVISION NO.	P2	**CONSTRUCTION CONTINGENCY**	5%
REVISION DATE	07/27/21	**OVERHEAD**	0.00%
PROJECT MANAGER	[redacted]	[redacted]	[redacted]
STATE	New Mexico	**TAX GROSS UP**	0.00%
COUNTY	Lea	**PROJECT TYPE**	Sustaining Capital
		IN-SERVICE	Aug-23

Reservation Credits SCOPE:	Potential 2022 reservation credits on the XOver with one Caprock unit unavailable. Assumes three (3) months outage for SCR and Regen modifications per unit (6 months total).
CWIP- Unit 1 Emissions Controls SCOPE:	Install SCR Emissions control system provided by [redacted]. New expansion joints (3 per unit) will be installed on ducting between new regen and new SCR. Install a new Aux building for a new air system and other SCR controls.
CWIP- Unit 2 Emissions Controls SCOPE:	Install SCR Emissions control system provided by [redacted]. New expansion joints (3 per unit) will be installed but the existing exhaust stack will be reused. Install a new Aux building for a new air system and SCR controls.
CWIP-Unit 2 Regen SCOPE:	Install a new Regeneration equipment on Unit 2.
RWIP-Unit 2 Regen SCOPE:	Remove the existing regenerator on Unit 2 including all exhaust duct work from the first Turbine Exhaust Expansion Joint to the entire exhaust stack. Prep site for installation of new regen unit.

ASSET CAPABILITIES:	Vol @ ### psi		Pressure
Minimum	MMCFD	Minimum	psig
Maximum	MMCFD	MAOP	psig
		Normal Operating	psig
		Delivery Pressure	psig

ESTIMATE SUMMARY

	Reservation Credits	CWIP- Unit 1 Emissions Controls	CWIP- Unit 2 Emissions Controls	CWIP-Unit 2 Regen	RWIP-Unit 2 Regen	TOTAL
MATERIAL (INCL SALES TAX)	$ -	$ 4,310,500	$ 3,639,700	$ 3,512,700	$ -	$ 11,462,900
COMPANY LABOR COST	$ -	$ 37,100	$ 37,100	$ -	$ -	$ 74,200
PM, ENG, LAND, ENVIRO - EXPENSE	$ -	$ 3,100	$ 3,100	$ -	$ -	$ 6,200
PRIMARY CONSTRUCTION CONTRACTOR	$ -	$ 1,916,500	$ 1,798,100	$ 670,500	$ 449,000	$ 4,834,100
SECONDARY CONTRACTOR	$ -	$ 182,900	$ 166,900	$ -	$ -	$ 349,800
PROFESSIONAL ENGINEERING	$ -	$ 49,500	$ 49,500	$ -	$ -	$ 99,000
INSPECTION SERVICES	$ -	$ 148,400	$ 148,400	$ 101,300	$ 36,100	$ 434,200
RADIOGRAPHY SERVICES	$ -	$ 900	$ 900	$ -	$ -	$ 1,800
ENVIRONMENTAL CONTRACTOR	$ -	$ 16,100	$ -	$ -	$ -	$ 16,100
ELECTRICAL & INSTRUMENTATION	$ -	$ -	$ -	$ -	$ -	$ -
RIGHT OF WAY CONTRACTOR	$ -	$ -	$ -	$ -	$ -	$ -
SURVEY CONTRACTOR	$ -	$ -	$ -	$ -	$ -	$ -
OUTSIDE LEGAL SERVICES	$ -	$ -	$ -	$ -	$ -	$ -
ROW & DAMAGES	$ -	$ -	$ -	$ -	$ -	$ -
PERMIT FEES	$ -	$ -	$ -	$ -	$ -	$ -
GAS LOSS	$ 1,620,000	$ -	$ -	$ -	$ -	$ 1,620,000
SUBTOTAL	$ 1,620,000	$ 6,665,000	$ 5,843,700	$ 4,284,500	$ 485,100	$ 18,898,300
CONSTRUCTION CONTINGENCY	$ 81,000	$ 333,250	$ 292,185	$ 214,225	$ 24,255	$ 944,915
AFUDC	$ 9,130	$ 182,671	$ 157,906	$ 128,490	$ -	$ 478,197
SUBTOTAL	$ 1,710,130	$ 7,180,921	$ 6,293,791	$ 4,627,215	$ 509,355	$ 20,321,412
CAPITALIZED OVERHEAD (BURDEN)	$ -	$ -	$ -	$ -	$ -	$ -
TAX GROSS-UP	$ -	$ -	$ -	$ -	$ -	$ -
ESCALATION	$ -	$ -	$ -	$ -	$ -	$ -
RISK INSURANCE	$ -	$ -	$ -	$ -	$ -	$ -
ESTIMATED TOTAL COST	**$ 1,710,130**	**$ 7,180,921**	**$ 6,293,791**	**$ 4,627,215**	**$ 509,355**	**$ 20,321,412**

Price/Ton:	$2,400				
(If Applicable) Escalated Price/Ton:					
Contingency:	5%	5%	5%	5%	5%
In-Service Date:	Aug-23	Aug-23	Aug-23	Aug-23	Aug-23

ASSUMPTIONS

Include (Yes/No)	Assumptions	
Yes	See Assumptions Tab	** Estimate shelf life is 6 months from published date.

Revision	Date	Notes	Approval	Name	Date
			Project Manager	[redacted]	
			oject Manager Direct	[redacted]	
			Project Controls	[redacted]	
			Vice President	[redacted]	

AUTHORITY LEVELS:	
< $25,000,000	PM, PM Director, Project Controls
> $25,000,000	PM, PM Director, Project Controls, VP

Escalation Rates FV=PV(1+i)^n	
Material:	0.0%
Other:	0.0%

[redacted]

KINDER MORGAN

PROJECT NAME	**EPNG NM OZONE Rule- Rio Vista Compressor Station**		
COMPANY NAME	El Paso Natural Gas Company	**COMPANY NO.**	5205
REQUESTED BY	[redacted]	**PREPARED BY**	[redacted]
ESTIMATE NO.	CE2107008	**ORIGINAL EST. DATE**	07/14/21
REVISION NO.	P1	**CONSTRUCTION CONTINGENCY**	20%
REVISION DATE	07/14/21	**OVERHEAD**	0.00%
PROJECT MANAGER	[redacted]	[redacted]	
STATE	New Mexico	**TAX GROSS UP**	0.00%
COUNTY	San Juan	**PROJECT TYPE**	Sustaining Capital
		IN-SERVICE	Aug-22

CWIP Rio Vista CS Mods SCOPE: Install SCR Emissions control system provided by [redacted] This is for two (2) Saturn 10-1202 units. New expansion joints (3 per unit) will be installed but the existing exhaust stack will be reused. Install a new Aux building for a new air system and SCR controls.

RWIP Rio Vista CS Mods SCOPE: Remove the existing exhaust system from the interior expansion joint flange to the exhaust stack. Remove the existing exhaust stack, existing expansion joint, exhaust stack foundation and supports. Prep site to install new Emissions Equipment.

ASSET CAPABILITIES:	Vol @ ### psi		Pressure
Minimum	MMCFD	Minimum	psig
Maximum	MMCFD	MAOP	psig
		Normal Operating	psig
		Delivery Pressure	psig

ESTIMATE SUMMARY

			CWIP Rio Vista CS Mods	RWIP Rio Vista CS Mods	**TOTAL**
MATERIAL (INCL SALES TAX)			$ 2,210,300	$ -	$ 2,210,300
COMPANY LABOR COST			$ 74,300	$ -	$ 74,300
PM, ENG, LAND, ENVIRO - EXPENSE			$ 6,300	$ -	$ 6,300
PRIMARY CONSTRUCTION CONTRACTOR			$ 3,479,300	$ 194,800	$ 3,674,100
SECONDARY CONTRACTOR			$ 328,400	$ -	$ 328,400
PROFESSIONAL ENGINEERING			$ 263,200	$ -	$ 263,200
INSPECTION SERVICES			$ 291,100	$ 9,600	$ 300,700
RADIOGRAPHY SERVICES			$ 1,900	$ -	$ 1,900
ENVIRONMENTAL CONTRACTOR			$ 16,100	$ -	$ 16,100
ELECTRICAL & INSTRUMENTATION			$ -	$ -	$ -
RIGHT OF WAY CONTRACTOR			$ -	$ -	$ -
SURVEY CONTRACTOR			$ -	$ -	$ -
OUTSIDE LEGAL SERVICES			$ -	$ -	$ -
ROW & DAMAGES			$ -	$ -	$ -
PERMIT FEES			$ -	$ -	$ -
GAS LOSS			$ -	$ -	$ -
SUBTOTAL			$ 6,670,900	$ 204,400	$ 6,875,300
CONSTRUCTION CONTINGENCY			$ 1,334,180	$ 40,880	$ 1,375,060
AFUDC			$ 167,642	$ -	$ 167,642
SUBTOTAL			$ 8,172,722	$ 245,280	$ 8,418,002
CAPITALIZED OVERHEAD (BURDEN)			$ -	$ -	$ -
TAX GROSS-UP			$ -	$ -	$ -
ESCALATION			$ -	$ -	$ -
RISK INSURANCE			$ -	$ -	$ -
ESTIMATED TOTAL COST			**$ 8,172,722**	**$ 245,280**	**$ 8,418,002**

Price/Ton:				
(If Applicable) Escalated Price/Ton:				
Contingency:	20%	20%	20%	20%
In-Service Date:	Aug-22	Aug-22	Aug-22	Aug-22

ASSUMPTIONS

Include (Yes/No)	Assumptions	
Yes	See Assumptions Tab	** Estimate shelf life is 6 months from published date.

Revision	**Date**	**Notes**	**Approval**	**Name**	**Date**
			Project Manager	[redacted]	
			Project Manager Director	[redacted]	
			Project Controls	[redacted]	
			Vice President	[redacted]	

AUTHORITY LEVELS:	
< $25,000,000	PM, PM Director, Project Controls
> $25,000,000	PM, PM Director, Project Controls, VP

Escalation Rates FV=PV(1+i)^n	
Material:	0.0%
Other:	0.0%

Estimate Form Revision 10.3-Small 05/26/21

KINDER MORGAN

PROJECT NAME	**EPNG NM Ozone Rule - Monument Station**		
COMPANY NAME	El Paso Natural Gas Company	**COMPANY NO.**	5205
REQUESTED BY	[redacted]	**PREPARED BY**	[redacted]
ESTIMATE NO.	CE2107007	**ORIGINAL EST. DATE**	07/07/21
REVISION NO.	BASE	**CONSTRUCTION CONTINGENCY**	10%
REVISION DATE		**OVERHEAD**	0.00%
PROJECT MANAGER	[redacted]	[redacted]	
STATE	New Mexico	**TAX GROSS UP**	0.00%
COUNTY		**PROJECT TYPE**	Sustaining Capital
		IN-SERVICE	Aug-22
		ESTIMATE ACCURACY LEVEL	Class 3

RWIP SCOPE: Removal of existing eqiupment for retrofit

CWIP SCOPE: A cost estimate is needed to retrofit engine units A04 and A05 to meet proposed NM standards for existing units. Refer to attachment #1 for standards, and Attachment #2 for facility permits. Estimates will be used for commenting upon economic reasonability of proposed rules, and should be obtained by July 14th to accommodate final comment submissions (NMED Ozone Rulemaking Comments (20.2.50 NMAC)). Detailed scope and SCR quote/assumptions will be provided by James Trent

ASSET CAPABILITIES:	Vol @ ### psi		Pressure
Minimum	MMCFD	Minimum	psig
Maximum	MMCFD	MAOP	psig
		Normal Operating	psig
		Delivery Pressure	psig

Metrics:
Dia (Inch) =
Length (Miles) =
Aggregate Base Lay (Per Ft) =
Total Cost (Per Ft) =
Contractor Cost (DIM) =
Directs + Contingency Cost (DIM) =

ESTIMATE SUMMARY

	Tab 12	Tab 13	RWIP	CWIP	TOTAL
MATERIAL (INCL SALES TAX)			$ -	$ 1,451,600	$ 1,451,600
COMPANY LABOR COST			$ -	$ 89,800	$ 89,800
PM, ENG, LAND, ENVIRO - EXPENSE			$ -	$ 4,200	$ 4,200
PRIMARY CONSTRUCTION CONTRACTOR			$ 225,100	$ 1,033,800	$ 1,258,900
SECONDARY CONTRACTOR			$ -	$ 2,669,800	$ 2,669,800
PROFESSIONAL ENGINEERING			$ -	$ 190,600	$ 190,600
INSPECTION SERVICES			$ 10,300	$ 239,400	$ 249,700
RADIOGRAPHY SERVICES			$ -	$ 3,800	$ 3,800
ENVIRONMENTAL CONTRACTOR			$ -	$ 16,100	$ 16,100
ELECTRICAL & INSTRUMENTATION			$ -	$ -	$ -
RIGHT OF WAY CONTRACTOR			$ -	$ -	$ -
SURVEY CONTRACTOR			$ -	$ -	$ -
OUTSIDE LEGAL SERVICES			$ -	$ -	$ -
ROW & DAMAGES			$ -	$ -	$ -
PERMIT FEES			$ -	$ -	$ -
GAS LOSS			$ -	$ -	$ -
SUBTOTAL			$ 235,400	$ 5,699,100	$ 5,934,500
CONSTRUCTION CONTINGENCY			$ 23,540	$ 569,910	$ 593,450
AFUDC			$ -	$ 137,916	$ 137,916
SUBTOTAL			$ 258,940	$ 6,406,926	$ 6,665,866
CAPITALIZED OVERHEAD (BURDEN)			$ -	$ -	$ -
TAX GROSS-UP			$ -	$ -	$ -
ESCALATION			$ -	$ -	$ -
RISK INSURANCE			$ -	$ -	$ -
ESTIMATED TOTAL COST			**$ 258,940**	**$ 6,406,926**	**$ 6,665,866**
Price/Ton:					
(If Applicable) Escalated Price/Ton:					
Contingency:	10%	10%	10%	10%	
In-Service Date:	Aug-22	Aug-22	Aug-22	Aug-22	

ASSUMPTIONS

Include (Yes/No)	Assumptions	
Yes	See Assumptions Tab	** Estimate shelf life is 6 months from published date.

Revision	**Date**	**Notes**	**Approval**	**Name**	**Date**
			Project Manager		
			Project Manager Director		
			Project Controls		
			Vice President		

AUTHORITY LEVELS:	
< $25,000,000	PM, PM Director, Project Controls
> $25,000,000	PM, PM Director, Project Controls, VP

Escalation Rates FV=PV(1+i)^n	
Material:	0.0%
Other:	0.0%

Estimate Form Revision 10.3-Small 05/26/21

KINDER MORGAN

PROJECT NAME	**EPNG NM Ozone Rule - Washington Ranch**		
COMPANY NAME	El Paso Natural Gas Company	**COMPANY NO.**	5205
REQUESTED BY	[redacted]	**PREPARED BY**	[redacted]
ESTIMATE NO.	CE2107006	**ORIGINAL EST. DATE**	07/07/21
REVISION NO.	BASE	**CONSTRUCTION CONTINGENCY**	10%
REVISION DATE		**OVERHEAD**	0.00%
PROJECT MANAGER	[redacted]	[redacted]	
STATE	New Mexico	**TAX GROSS UP**	0.00%
COUNTY		**PROJECT TYPE**	Sustaining Capital
		IN-SERVICE	Aug-22
		ESTIMATE ACCURACY LEVEL	Class 3

RWIP SCOPE: Removal of existing eqiupment for retrofit

CWIP SCOPE: Washington Ranch Station, Units A04 and A05 retrofits to meet proposed standards for existing lean-burn reciprocating units using combustion modifications (enhanced fuel mixing, PCCs, turbochargers, control panel upgrade, etc., as needed) and oxidation catalyst. All ancillaries and infrastructure must be considered and modified as needed to support the engine modifications for ongoing compliant operation.

ASSET CAPABILITIES:	Vol @ ### psi		Pressure
Minimum	MMCFD	Minimum	psig
Maximum	MMCFD	MAOP	psig
		Normal Operating	psig
		Delivery Pressure	psig

Metrics:
Dia (Inch) =
Length (Miles) =
Aggregate Base Lay (Per Ft) =
Total Cost (Per Ft) =
Contractor Cost (DIM) =
Directs + Contingency Cost (DIM) =

ESTIMATE SUMMARY

	Tab 12	Tab 13	RWIP	CWIP	TOTAL
MATERIAL (INCL SALES TAX)			$ -	$ 860,700	$ 860,700
COMPANY LABOR COST			$ -	$ 61,900	$ 61,900
PM, ENG, LAND, ENVIRO - EXPENSE			$ -	$ 4,200	$ 4,200
PRIMARY CONSTRUCTION CONTRACTOR			$ 141,500	$ 947,800	$ 1,089,300
SECONDARY CONTRACTOR			$ -	$ 964,500	$ 964,500
PROFESSIONAL ENGINEERING			$ -	$ 140,400	$ 140,400
INSPECTION SERVICES			$ 10,300	$ 175,800	$ 186,100
RADIOGRAPHY SERVICES			$ -	$ 1,900	$ 1,900
ENVIRONMENTAL CONTRACTOR			$ -	$ 16,100	$ 16,100
ELECTRICAL & INSTRUMENTATION			$ -	$ -	$ -
RIGHT OF WAY CONTRACTOR			$ -	$ -	$ -
SURVEY CONTRACTOR			$ -	$ -	$ -
OUTSIDE LEGAL SERVICES			$ -	$ -	$ -
ROW & DAMAGES			$ -	$ -	$ -
PERMIT FEES			$ -	$ -	$ -
GAS LOSS			$ -	$ -	$ -
SUBTOTAL			$ 151,800	$ 3,173,300	$ 3,325,100
CONSTRUCTION CONTINGENCY			$ 15,180	$ 317,330	$ 332,510
AFUDC			$ -	$ 75,804	$ 75,804
SUBTOTAL			$ 166,980	$ 3,566,434	$ 3,733,414
CAPITALIZED OVERHEAD (BURDEN)			$ -	$ -	$ -
TAX GROSS-UP			$ -	$ -	$ -
ESCALATION			$ -	$ -	$ -
RISK INSURANCE			$ -	$ -	$ -
ESTIMATED TOTAL COST			**$ 166,980**	**$ 3,566,434**	**$ 3,733,414**

Price/Ton:				
(If Applicable) Escalated Price/Ton:				
Contingency:	10%	10%	10%	10%
In-Service Date:	Aug-22	Aug-22	Aug-22	Aug-22

ASSUMPTIONS

Include (Yes/No)	Assumptions	
Yes	See Assumptions Tab	** Estimate shelf life is 6 months from published date.

Revision	Date	Notes	Approval	Name	Date
			Project Manager		
			Project Manager Director		
			Project Controls		
			Vice President		

AUTHORITY LEVELS:	
< $25,000,000	PM, PM Director, Project Controls
> $25,000,000	PM, PM Director, Project Controls, VP

Escalation Rates FV=PV(1+i)^n	
Material:	0.0%
Other:	0.0%

Estimate Form Revision 10.3-Small 05/26/21