Intermountain Gas Company

Model Input Tables for All Scenarios
Integrated Resource Plan 2019 – 2023

INTERMOUNTAIN®
GAS COMPANY
A Subsidiary of MDU Resources Group, Inc.

In the Community to Serve®

Exhibit No. 7
Fall 2019

This Transport input data is the same across all scenarios!

2019-2023 IGC IRP	Exiisting	Existing	Existing	Existing	Existing	Existing	Existing	Existing	Existing	Existing	Existing	Expansion	Existing	Existing	Existing
IGC Transport Resources	NWP-S	NWP	NWP	GTN	Storage	Storage	Storage	Storage	NWP	Lateral	Lateral	Lateral	Lateral	LNG	Lateral
General Data	Sumas	Stanfield	Rockies	AECO	Stanfield	Stanfield	Stanfield	Stanfield	Stanfield	IMG	IMG	IMG	IMG	IMG	IMG
	Stanfield	IMG	IMG	Stanfield	IMG	IMG	IMG	IMG	IMG	All-Other	Canyon	Canyon	Idaho Falls	Idaho Falls	Sun Valley
Resource Number	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Resource Acronym	NWSuSta	NWStaIMG	NWRocIMG	AecSta	StaIMGS1	NWJPIMG2	NWJPIMG3	NWJPIMG4	StaIMGWi	LatIOthr	LatICan	XLatCan	LatIIF	IFLNG	LatISV
Peak Capability MMBTU/Day	69,696	180,720	121,848	124,844	30,337	72,000	41,200	41,975	3,330	296,029	98,000	8,000	81,700	6,700	19,878
Year Beginning	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1
Year End	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Variable Cost $ MMBTU	$0.00010	$0.00832	$0.00832	$0.01839	$0.00832	$0.00832	$0.00832	$0.00832	$0.00832	$0.00010	$0.00010	$0.07383	$0.00010	$0.80000	$0.00010
Variable escalation	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.02	1.02	1.02	1.02	1.02	1.02
Capacity Cost $/mmbtu Capacity	$0.000	$0.393	$0.393	$0.155	$0.393	$0.393	$0.393	$0.393	$0.393	$0.000	$0.000	$0.500	$0.000	$0.000	$0.000
Pipline Arc	1	3	4	2	3	3	3	3	3	5	6	6	7	7	8
From Area	Sumas	Stanfield	Rockies	AECO	Stanfield	Stanfield	Stanfield	Stanfield	Stanfield	IMG	IMG	IMG	IMG	IMG	IMG
To Area	Stanfield	IMG	IMG	Stanfield	IMG	IMG	IMG	IMG	IMG	All-Other	Canyon	Canyon	Idaho Falls	Idaho Falls	Sun Valley

2019-2023 IGC IRP	Existing	Expansion	Existing	Fill	Fill	Fill	Fill	Fill	Alter	Alter	Fill	Fill	Alter	Expansion	Expansion	Expansion
IGC Transport Resources	Lateral	Lateral	Lateral	Fill	Fill	Fill	Fill	Fill	Expansion	Expansion	Fill	Fill	Expansion	LNG	Lateral	Lateral
General Data	IMG	IMG	IMG	Sumas	Stanfield	Rockies	AECO	IMG	IMG	IMG	IMG	IMG	IMG	IMG	IMG	IMG
	State St	State St	Ada	Stanfield	IMG	IMG	Stanfield	All-Other	Canyon	Sun Valley	Idaho Falls	State St	Ada	Idaho Falls	Sun Valley	Ada
Resource Number	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**
Resource Acronym	LatIStSt	XLatIStSt	LatIAda	SuStaFil	StaIMGFil	RocIMGFil	AecStaFil	LatIOthrFil	LatICanAlt	LatSVAlt	LatIFFil	StStFil	LatIAdaAlt	XIFLNG	XLatISV	XLatIAda
Peak Capability MMBTU/Day	73,000	4,000	70,000	100,000	100,000	100,000	100,000	100,000	10,900	3,644	100,000	100,000	18,500	5,600	2,122	8,000
Year Beginning	1	5	1	1	1	1	1	1	4	1	1	1	4	5	4	4
Year End	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Variable Cost $ MMBTU	$0.04000	$0.04800	$0.04000	$2.00000	$2.00000	$2.00000	$2.00000	$2.00000	$0.20000	$2.14000	$2.00000	$2.00000	$0.13000	$0.81000	$0.01000	$0.04100
Variable escalation	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.00	1.00	1.00	1.00	1.00	1.00	1.02
Capacity Cost $/mmbtu Capacity	$0.000	$0.086	$0.000	$0.000	$0.393	$0.393	$0.155	$2.000	$0.140	$1.780	$2.000	$2.000	$0.090	$0.107	$0.407	$0.048
Pipline Arc	9	9	10	1	3	4	2	5	6	8	7	9	10	7	8	10
From Area	IMG	IMG	IMG	Sumas	Stanfield	Rockies	AECO	IMG	IMG	IMG	IMG	IMG	IMG	IMG	IMG	IMG
To Area	State St	State St	Ada	Stanfield	IMG	IMG	Stanfield	All-Other	Canyon	Sun Valley	Idaho Falls	State St	Ada	Idaho Falls	Sun Valley	Ada

Supply Resource data input sheet by year: Min/Max Utilzation Rate
Intermountain Gas IRP Model
2019-2023 IGC IRP

Weather: Design
Growth: Base/Price: Base

	Year	1	2019		per day/	Assoc.	info		12 Number of periods of Utilization Rates (UR)											
50			Area		annual	Transport	Period		Min Max of UR by period from range set :use beg;end as guide											
#	Full name & Notes	Acronym	Delivered	#	mmbtu	Days	beg/end		1	2	3	4	5	6	7	8	9	10	11	12
1	Shell Stanfied Winter	ShSta-W	Stanfield	3	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
1.5	firm winter	must take	100%		1,510,000	151.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
2	Shell IMG 365 Firm	ShIMG365	IMG	5	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
2.5	Firm to IMG	must take	100%		3,650,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	IGI IMG 365 FIRM	IGIIMG365	IMG	5	8,056	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5	transport to IMG	must take	100%		1,458,136	181.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	IGI Balance Sumas	IGISumBal	Sumas	1	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.5		balance	0%		5,000,000	71.4	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	IGI Balance Stanfield	IGISTaBal	Stanfield	3	50,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5		balance	0%		5,000,000	100.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	IGI Balance Rockies	IGIRokMBal	Rockies	4	40,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5		balance	0%		14,600,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	IGI Balance AECO	IGIAECBal	AECO	2	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5		balance	0.0%		25,550,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	Indexed AECO 365 days	IndAEC365	AECO	2	14,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
8.5		must take	100%		5,110,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	Indexed AECO 212 days	IndAEC212	AECO	2	23,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
9.5		must take	100%		4,876,000	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10	Fixed AECO 365 days	FxAEC365	AECO	2	2,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
10.5	Fixed price contract	must take	100%		766,500	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
11	Fixed AECO 212 days	FxAEC212	AECO	2	3,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
11.5	Fixed price contract	must take	100%		657,200	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12	Empty	Empty	Stanfield	3	0	none	6	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	Empty				0	0.0	12	Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Industrial Firm	IndFirm	IMG	5	143,999	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
13.5	Changes by year scenario	must take			52,559,635	0.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	Nampa LNG	NampaStio	IMG	5	60,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	10 days	Storage			580,000	9.7	6	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	NWP Jackson SGS	NWPSGS	Stanfield	3	30,337	5	1	Min	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
15.5	NWP storage	Storage	0%		1,092,099	36.0	7	Max	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
16	NWP Storage LS1	NPWLS1	Stanfield	3	72,000	6	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.5	Plymouth	Storage	0		770,520	10.7	5	Max	1.00	1.00	1.00	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NWP Storage LS2	NPWLS2	Stanfield	3	41,200	7	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	Plymouth	Storage	0		325,715	7.9	7	Max	1.00	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NWP Storage LS3	NPWLS3	Stanfield	3	41,975	8	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.5	Plymouth	Storage	0%		378,900	9.0	9	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Clay Basin	ClaySall	Rockies	4	70,114	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
19.5	all contracts		0%		8,413,500	120.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
20	DSM19	DSM19	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
20.5					0		12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21	DSM20	DSM20	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21.5					0		1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22	DSM21	DSM21	IMG	5	0	none	12	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22.5					0		1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23	DSM22	DSM22	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23.5					0		1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24	DSM23	DSM23	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24.5					0		1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053

Supply Resource data input sheet by year: Min/Max Utilzation Rate
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Weather: Design
Growth: Base/Price: Base

	Year	2			per day/	Assoc.	info		12 Number of periods of Utilization Rates (UR)											
50			Area		annual	Transport	Period		Min Max of UR by period from range set :use beg;end as guide											
#	Full name & Notes	Acronym	Delivered	#	mmbtu	Res #	beg/end		1	2	3	4	5	6	7	8	9	10	11	12
1	Shell Stanfied Winter	ShSta-W	Stanfield	3	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
1.5	firm winter	must take	100%	0	1,510,000	151.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
2	Shell IMG 365 Firm	ShIMG365	IMG	5	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
2.5	Firm to IMG	must take	100%	0	3,650,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	IGI IMG 365 FIRM	IGIIMG365	IMG	5	8,056	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5		must take	100%	0	1,458,136	181.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	IGI Balance Sumas	IGISumBal	Sumas	1	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.5	0	balance	0%	0	5,000,000	71.4	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	IGI Balance Stanfield	IGISTaBal	Stanfield	3	50,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5	0	balance	0%	0	5,000,000	100.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	IGI Balance Rockies	IGIRokMBa	Rockies	4	40,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	0	balance	0%	0	14,600,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	IGI Balance AECO	IGIAECBal	AECO	2	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0	balance	0.0%	0	25,550,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	Indexed AECO 365 days	IndAEC365	AECO	2	14,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
8.5	0	must take	100%	0	5,110,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	Indexed AECO 212 days	IndAEC212	AECO	2	23,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
9.5	0	must take	100%	0	4,876,000	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10	Fixed AECO 365 days	FxAEC365	AECO	2	2,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
10.5	Fixed price contract	must take	100%	0	766,500	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
11	Fixed AECO 212 days	FxAEC212	AECO	2	3,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
11.5	Fixed price contract	must take	100%	0	657,200	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12	Empty	Empty	Stanfield	3	0	none	6	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	Empty	0	0%	0	0	0.0	12	Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Industrial Firm	IndFirm	IMG	5	145,207	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
13.5	Changes by year scenario	must take	0%	0	53,000,373	0.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	Nampa LNG	NampaStio	IMG	5	60,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	10 days	Storage	0	0	580,000	9.7	6	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	NWP Jackson SGS	NWPSGS	Stanfield	3	30,337	5	1	Min	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
15.5	NWP storage	Storage	0%	0	1,092,099	36.0	7	Max	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
16	NWP Storage LS1	NPWLS1	Stanfield	3	72,000	6	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.5	Plymouth	Storage	0	0	770,520	10.7	5	Max	1.00	1.00	1.00	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NWP Storage LS2	NPWLS2	Stanfield	3	41,200	7	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	Plymouth	Storage	0	0	325,715	7.9	7	Max	1.00	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NWP Storage LS3	NPWLS3	Stanfield	3	41,975	8	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.5	Plymouth	Storage	0%	0	378,900	9.0	9	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Clay Basin	ClaySall	Rockies	4	70,114	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
19.5	all contracts	0	0%	0	8,413,500	120.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
20	DSM19	DSM19	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
20.5	0	0	0%	0		0	12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21	DSM20	DSM20	IMG	5	747	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21.5	0	0	0%	0	80,035	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22	DSM21	DSM21	IMG	5	0	none	12	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22.5	0	0	0%	0	0	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23	DSM22	DSM22	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23.5	0	0	0%	0	0	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24	DSM23	DSM23	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24.5	0	0	0%	0	0	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053

Supply Resource data input sheet by year: Min/Max Utilzation Rate
Intermountain Gas IRP Model
2019-2023 IGC IRP

Weather: Design
Growth: Base/Price: Base

	Year	3			per day/	Assoc.	info		12 Number of periods of Utilization Rates (UR)											
50			Area		annual	Transport	Period		Min Max of UR by period from range set :use beg;end as guide											
#	Full name & Notes	Acronym	Delivered	#	mmbtu	Res #	beg/end		1	2	3	4	5	6	7	8	9	10	11	12
1	Shell Stanfied Winter	ShSta-W	Stanfield	3	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
1.5	firm winter	must take	100%	0	1,510,000	151.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
2	Shell IMG 365 Firm	ShIMG365	IMG	5	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
2.5	Firm to IMG	must take	100%	0	3,650,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	IGI IMG 365 FIRM	IGIIMG365	IMG	5	8,056	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5	0	must take	100%	0	1,458,136	181.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	IGI Balance Sumas	IGISumBal	Sumas	1	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.5	0	balance	0%	0	5,000,000	71.4	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	IGI Balance Stanfield	IGISTaBal	Stanfield	3	50,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5	0	balance	0%	0	5,000,000	100.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	IGI Balance Rockies	IGIRokMBa	Rockies	4	40,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	0	balance	0%	0	14,600,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	IGI Balance AECO	IGIAECBal	AECO	2	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0	balance	0.0%	0	25,550,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	Indexed AECO 365 days	IndAEC365	AECO	2	14,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
8.5	0	must take	100%	0	5,110,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	Indexed AECO 212 days	IndAEC212	AECO	2	23,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
9.5	0	must take	100%	0	4,876,000	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10	Fixed AECO 365 days	FxAEC365	AECO	2	2,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
10.5	Fixed price contract	must take	100%	0	766,500	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
11	Fixed AECO 212 days	FxAEC212	AECO	2	3,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
11.5	Fixed price contract	must take	100%	0	657,200	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12	Empty	Empty	Stanfield	3	0	none	6	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	Empty	0	0%	0	0	0.0	12	Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Industrial Firm	IndFirm	IMG	5	145,529	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
13.5	Changes by year scenario	must take	0%	0	53,118,085	0.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	Nampa LNG	NampaStio	IMG	5	60,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	10 days	Storage	0	0	580,000	9.7	6	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	NWP Jackson SGS	NWPSGS	Stanfield	3	30,337	5	1	Min	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
15.5	NWP storage	Storage	0%	0	1,092,099	36.0	7	Max	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
16	NWP Storage LS1	NPWLS1	Stanfield	3	72,000	6	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.5	Plymouth	Storage	0	0	770,520	10.7	5	Max	1.00	1.00	1.00	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NWP Storage LS2	NPWLS2	Stanfield	3	41,200	7	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	Plymouth	Storage	0	0	325,715	7.9	7	Max	1.00	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NWP Storage LS3	NPWLS3	Stanfield	3	41,975	8	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.5	Plymouth	Storage	0%	0	378,900	9.0	9	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Clay Basin	ClaySall	Rockies	4	70,114	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
19.5	all contracts	0	0%	0	8,413,500	120.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
20	DSM19	DSM19	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
20.5	0	0	0%	0	0	0	12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21	DSM20	DSM20	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21.5	0	0	0%	0		0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22	DSM21	DSM21	IMG	5	2,227	none	12	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22.5	0	0	0%	0	238,523	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23	DSM22	DSM22	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23.5	0	0	0%	0	0	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24	DSM23	DSM23	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24.5	0	0	0%	0	0	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053

Supply Resource data input sheet by year: Min/Max Utilzation Rate
Intermountain Gas IRP Model
2019-2023 IGC IRP

Weather: Design
Growth: Base/Price: Base

	Year	4			per day/	Assoc.	info		12 Number of periods of Utilization Rates (UR)											
50			Area		annual	Transport	Period		Min Max of UR by period from range set :use beg;end as guide											
#	Full name & Notes	Acronym	Delivered	#	mmbtu	Res #	beg/end		1	2	3	4	5	6	7	8	9	10	11	12
1	Shell Stanfied Winter	ShSta-W	Stanfield	3	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
1.5	firm winter	must take	100%	0	1,510,000	151.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
2	Shell IMG 365 Firm	ShIMG365	IMG	5	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
2.5	Firm to IMG	must take	100%	0	3,650,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	IGI IMG 365 FIRM	IGIIMG365	IMG	5	8,056	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5	0	must take	100%	0	1,458,136	181.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	IGI Balance Sumas	IGISumBal	Sumas	1	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.5	0	balance	0%	0	5,000,000	71.4	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	IGI Balance Stanfield	IGISTaBal	Stanfield	3	50,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5	0	balance	0%	0	5,000,000	100.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	IGI Balance Rockies	IGIRokMBa	Rockies	4	40,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	0	balance	0%	0	14,600,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	IGI Balance AECO	IGIAECBal	AECO	2	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0	balance	0.0%	0	25,550,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	Indexed AECO 365 days	IndAEC365	AECO	2	14,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
8.5	0	must take	100%	0	5,110,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	Indexed AECO 212 days	IndAEC212	AECO	2	23,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
9.5	0	must take	100%	0	4,876,000	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10	Fixed AECO 365 days	FxAEC365	AECO	2	2,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
10.5	Fixed price contract	must take	100%	0	766,500	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
11	Fixed AECO 212 days	FxAEC212	AECO	2	3,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
11.5	Fixed price contract	must take	100%	0	657,200	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12	Empty	Empty	Stanfield	3	0	none	6	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	Empty	0	0%	0	0	0.0	12	Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Industrial Firm	IndFirm	IMG	5	146,322	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
13.5	Changes by year scenario	must take	0%	0	53,407,348	0.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	Nampa LNG	NampaStio	IMG	5	60,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	10 days	Storage	0	0	580,000	9.7	6	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	NWP Jackson SGS	NWPSGS	Stanfield	3	30,337	5	1	Min	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
15.5	NWP storage	Storage	0%	0	1,092,099	36.0	7	Max	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
16	NWP Storage LS1	NPWLS1	Stanfield	3	72,000	6	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.5	Plymouth	Storage	0	0	770,520	10.7	5	Max	1.00	1.00	1.00	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NWP Storage LS2	NPWLS2	Stanfield	3	41,200	7	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	Plymouth	Storage	0	0	325,715	7.9	7	Max	1.00	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NWP Storage LS3	NPWLS3	Stanfield	3	41,975	8	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.5	Plymouth	Storage	0%	0	378,900	9.0	9	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Clay Basin	ClaySall	Rockies	4	70,114	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
19.5	all contracts	0	0%	0	8,413,500	120.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
20	DSM19	DSM19	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
20.5	0	0	0%	0	0	0	12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21	DSM20	DSM20	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21.5	0	0	0%	0	0	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22	DSM21	DSM21	IMG	5	0	none	12	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22.5	0	0	0%	0	0	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23	DSM22	DSM22	IMG	5	4,484	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23.5	0	0	0%	0	480,347	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24	DSM23	DSM23	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24.5	0	0	0%	0	0	0	1	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053

Supply Resource data input sheet by year: Min/Max Utilzation Rate
Intermountain Gas IRP Model
2019-2023 IGC IRP

Weather: Design
Growth: Base/Price: Base

	Year	5			per day/	Assoc.	info		12 Number of periods of Utilization Rates (UR)											
50			Area		annual	Transport	Period		Min Max of UR by period from range set :use beg;end as guide											
#	Full name & Notes	Acronym	Delivered	#	mmbtu	Res #	beg/end		1	2	3	4	5	6	7	8	9	10	11	12
1	Shell Stanfied Winter	ShSta-W	Stanfield	3	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
1.5	firm winter	must take	100%	0	1,510,000	151.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
2	Shell IMG 365 Firm	ShIMG365	IMG	5	10,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
2.5	Firm to IMG	must take	100%	0	3,650,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	IGI IMG 365 FIRM	IGIIMG365	IMG	5	8,056	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5	0	must take	100%	0	1,458,136	181.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	IGI Balance Sumas	IGISumBal	Sumas	1	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.5	0	balance	0%	0	5,000,000	71.4	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	IGI Balance Stanfield	IGISTaBal	Stanfield	3	50,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5	0	balance	0%	0	5,000,000	100.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	IGI Balance Rockies	IGIRokMBa	Rockies	4	40,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6.5	0	balance	0%	0	14,600,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	IGI Balance AECO	IGIAECBal	AECO	2	70,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.5	0	balance	0.0%	0	25,550,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	Indexed AECO 365 days	IndAEC365	AECO	2	14,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
8.5	0	must take	100%	0	5,110,000	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	Indexed AECO 212 days	IndAEC212	AECO	2	23,000	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
9.5	0	must take	100%	0	4,876,000	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
10	Fixed AECO 365 days	FxAEC365	AECO	2	2,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
10.5	Fixed price contract	must take	100%	0	766,500	365.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
11	Fixed AECO 212 days	FxAEC212	AECO	2	3,100	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
11.5	Fixed price contract	must take	100%	0	657,200	212.0	10	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
12	Empty	Empty	Stanfield	3	0	none	6	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12.5	Empty	0	0%	0	0	0.0	12	Max	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	Industrial Firm	IndFirm	IMG	5	147,630	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
13.5	Changes by year scenario	must take	0%	0	53,884,768	0.0	12	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	Nampa LNG	NampaStio	IMG	5	60,000	none	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14.5	10 days	Storage	0	0	580,000	9.7	6	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	NWP Jackson SGS	NWPSGS	Stanfield	3	30,337	5	1	Min	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
15.5	NWP storage	Storage	0%	0	1,092,099	36.0	7	Max	1.00	1.00	1.00	1.00	1.00	0.80	0.24	0.00	0.00	0.00	0.00	0.00
16	NWP Storage LS1	NPWLS1	Stanfield	3	72,000	6	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16.5	Plymouth	Storage	0	0	770,520	10.7	5	Max	1.00	1.00	1.00	1.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	NWP Storage LS2	NPWLS2	Stanfield	3	41,200	7	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17.5	Plymouth	Storage	0	0	325,715	7.9	7	Max	1.00	1.00	1.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	NWP Storage LS3	NPWLS3	Stanfield	3	41,975	8	1	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18.5	Plymouth	Storage	0%	0	378,900	9.0	9	Max	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Clay Basin	ClaySall	Rockies	4	70,114	none	1	Min	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
19.5	all contracts	0	0%	0	8,413,500	120.0	9	Max	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.45	0.00	0.00	0.00
20	DSM19	DSM19	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
20.5	0	0	0%	0	0	0	12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21	DSM20	DSM20	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
21.5	0	0	0%	0	0	0	12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22	DSM21	DSM21	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
22.5	0	0	0%	0	0	0	12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23	DSM22	DSM22	IMG	5	0	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
23.5	0	0	0%	0	0	0	12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24	DSM23	DSM23	IMG	5	7,027	none	1	Min	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053
24.5	0	0	0%	0	752,730	0	12	Max	1	0.976	0.957	0.740	0.666	0.633	0.585	0.501	0.398	0.248	0.145	0.053

INTERMOUNTAIN GAS COMPANY IRP

Supply Price ($/MMBTU) By Supply Resource by LDC Period, Price: Base

Acronym		ShSta-W	ShIMG365	IGIIMG365	IGISumBal	IGISTaBal	IGIRokMBal	IGIAECBal	IndAEC365	IndAEC212	FxAEC365	FxAEC212	Empty	IndFirm	NampaStio	NWPSGS
Node		Stanfield	IMG	IMG	Sumas	Stanfield	Rockies	AECO	AECO	AECO	AECO	AECO	Stanfield	IMG	IMG	Stanfield
Year	Period	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2019	1	$6.2800	$1.6394	$4.5700	$6.1800	$6.1800	$4.2200	$1.2494	$1.2564	$1.2564	$2.4000	$2.4000	$0.0001	$0.0001	$0.0001	$0.0001
2019	2	$6.2800	$1.6394	$4.5700	$6.1800	$6.1800	$4.2200	$1.2494	$1.2564	$1.2564	$2.4000	$2.4000	$0.0001	$0.0001	$0.0001	$0.0001
2019	3	$6.2800	$1.6394	$4.5700	$6.1800	$6.1800	$4.2200	$1.2494	$1.2564	$1.2564	$2.4000	$2.4000	$0.0001	$0.0001	$0.0001	$0.0001
2019	4	$6.2800	$1.6394	$4.5700	$6.1800	$6.1800	$4.2200	$1.2494	$1.2564	$1.2564	$2.4000	$2.4000	$0.0001	$0.0001	$0.0001	$0.0001
2019	5	$6.2800	$1.6394	$4.5700	$6.1800	$6.1800	$4.2200	$1.2494	$1.2564	$1.2564	$2.4000	$2.4000	$0.0001	$0.0001	$0.0001	$0.0001
2019	6	$6.2800	$1.6394	$4.5700	$6.1800	$6.1800	$4.2200	$1.2494	$1.2564	$1.2564	$2.4000	$2.4000	$0.0001	$0.0001	$0.0001	$0.0001
2019	7	$10.5695	$2.4210	$4.7680	$10.4695	$10.4695	$4.4180	$2.0310	$2.0380	$2.0380	$2.4000	$2.4000	$0.0001	$0.0001	$0.0001	$0.0001
2019	8	$10.5695	$2.4210	$4.7680	$10.4695	$10.4695	$4.4180	$2.0310	$2.0380	$2.0380	$2.4000	$2.4000	$0.0001	$0.0001	$0.0001	$0.0001
2019	9	$13.1070	$1.9372	$5.0110	$13.0070	$13.0070	$4.6610	$1.5472	$1.5542	$1.5542	$2.4000	$2.3000	$0.0001	$0.0001	$0.0001	$0.0001
2019	10	$2.7350	$1.1185	$2.7400	$2.6350	$2.7105	$2.3900	$0.7285	$0.7355	$0.7355	$2.3000	$2.3000	$0.0001	$0.0001	$0.0001	$0.0001
2019	11	$2.7045	$1.3265	$2.7065	$2.6045	$2.6045	$2.3565	$0.9365	$0.9435	$0.9435	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2019	12	$2.9633	$1.2493	$2.8797	$2.8633	$2.8633	$2.5297	$0.8593	$0.8663	$0.8663	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	1	$4.2320	$2.2250	$3.4380	$4.1320	$4.1320	$3.0880	$1.8350	$1.8420	$1.8420	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	2	$4.2320	$2.2250	$3.4380	$4.1320	$4.1320	$3.0880	$1.8350	$1.8420	$1.8420	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	3	$4.2320	$2.2250	$3.4380	$4.1320	$4.1320	$3.0880	$1.8350	$1.8420	$1.8420	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	4	$4.2320	$2.2250	$3.4380	$4.1320	$4.1320	$3.0880	$1.8350	$1.8420	$1.8420	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	5	$4.2320	$2.2250	$3.4380	$4.1320	$4.1320	$3.0880	$1.8350	$1.8420	$1.8420	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	6	$4.2320	$2.2250	$3.4380	$4.1320	$4.1320	$3.0880	$1.8350	$1.8420	$1.8420	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	7	$4.0260	$2.1555	$3.3240	$3.9260	$3.9260	$2.9740	$1.7655	$1.7725	$1.7725	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	8	$4.0260	$2.1555	$3.3240	$3.9260	$3.9260	$2.9740	$1.7655	$1.7725	$1.7725	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	9	$3.3405	$2.0265	$2.9925	$3.2405	$3.2405	$2.6425	$1.6365	$1.6435	$1.6435	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	10	$2.9465	$1.4715	$2.6205	$2.8465	$2.8465	$2.2705	$1.0815	$1.0885	$1.0885	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	11	$2.4433	$1.4185	$2.4583	$2.3433	$2.3433	$2.1083	$1.0285	$1.0355	$1.0355	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2020	12	$2.6788	$1.4442	$2.5234	$2.5788	$2.5788	$2.1734	$1.0542	$1.0612	$1.0612	$2.2000	$2.2000	$0.0001	$0.0001	$0.0001	$0.0001
2021	1	$3.7562	$2.0787	$3.2286	$3.6562	$3.6562	$2.8786	$1.6887	$1.6957	$1.6957	$2.2000	$1.6887	$0.0001	$0.0001	$0.0001	$0.0001
2021	2	$3.7562	$2.0787	$3.2286	$3.6562	$3.6562	$2.8786	$1.6887	$1.6957	$1.6957	$2.2000	$1.6887	$0.0001	$0.0001	$0.0001	$0.0001
2021	3	$3.7562	$2.0787	$3.2286	$3.6562	$3.6562	$2.8786	$1.6887	$1.6957	$1.6957	$2.2000	$1.6887	$0.0001	$0.0001	$0.0001	$0.0001
2021	4	$3.7562	$2.0787	$3.2286	$3.6562	$3.6562	$2.8786	$1.6887	$1.6957	$1.6957	$2.2000	$1.6887	$0.0001	$0.0001	$0.0001	$0.0001
2021	5	$3.7562	$2.0787	$3.2286	$3.6562	$3.6562	$2.8786	$1.6887	$1.6957	$1.6957	$2.2000	$1.6887	$0.0001	$0.0001	$0.0001	$0.0001
2021	6	$3.7562	$2.0787	$3.2286	$3.6562	$3.6562	$2.8786	$1.6887	$1.6957	$1.6957	$2.2000	$1.6887	$0.0001	$0.0001	$0.0001	$0.0001
2021	7	$3.5721	$2.0002	$3.0087	$3.4721	$3.4721	$2.6587	$1.6102	$1.6172	$1.6172	$2.2000	$1.6102	$0.0001	$0.0001	$0.0001	$0.0001
2021	8	$3.5721	$2.0002	$3.0087	$3.4721	$3.4721	$2.6587	$1.6102	$1.6172	$1.6172	$2.2000	$1.6102	$0.0001	$0.0001	$0.0001	$0.0001
2021	9	$2.9568	$1.8657	$2.6870	$2.8568	$2.8568	$2.3370	$1.4757	$1.4827	$1.4827	$2.2000	$1.4757	$0.0001	$0.0001	$0.0001	$0.0001
2021	10	$2.6145	$1.5497	$2.4459	$2.5145	$2.5145	$2.0959	$1.1597	$1.1667	$1.1667	$2.2000	$1.7094	$0.0001	$0.0001	$0.0001	$0.0001
2021	11	$2.2605	$1.6688	$2.4787	$2.1605	$2.1673	$2.1287	$1.2788	$1.2858	$1.2858	$2.2000	$1.2788	$0.0001	$0.0001	$0.0001	$0.0001
2021	12	$2.4167	$1.6906	$2.5405	$2.3167	$2.3331	$2.1905	$1.3006	$1.3076	$1.3076	$2.2000	$1.3006	$0.0001	$0.0001	$0.0001	$0.0001

INTERMOUNTAIN GAS COMPANY IRP

Supply Price ($/MMBTU) By Supply Resource by LDC Period, Price: Base

Acronym		ShSta-W	ShIMG365	IGIIMG365	IGISumBal	IGISTaBal	IGIRokMBal	IGIAECBal	IndAEC365	IndAEC212	FxAEC365	FxAEC212	Empty	IndFirm	NampaStio	NWPSGS
Node		Stanfield	IMG	IMG	Sumas	Stanfield	Rockies	AECO	AECO	AECO	AECO	AECO	Stanfield	IMG	IMG	Stanfield
Year	Period	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2021	12	$2.4167	$1.6906	$2.5405	$2.3167	$2.3331	$2.1905	$1.3006	$1.3076	$1.3076	$2.2000	$1.3006	$0.0001	$0.0001	$0.0001	$0.0001
2022	1	$3.2972	$2.2596	$3.2500	$3.1972	$3.1972	$2.9000	$1.8696	$1.8766	$1.8766	$2.2000	$1.8696	$0.0001	$0.0001	$0.0001	$0.0001
2022	2	$3.2972	$2.2596	$3.2500	$3.1972	$3.1972	$2.9000	$1.8696	$1.8766	$1.8766	$2.2000	$1.8696	$0.0001	$0.0001	$0.0001	$0.0001
2022	3	$3.2972	$2.2596	$3.2500	$3.1972	$3.1972	$2.9000	$1.8696	$1.8766	$1.8766	$2.2000	$1.8696	$0.0001	$0.0001	$0.0001	$0.0001
2022	4	$3.2972	$2.2596	$3.2500	$3.1972	$3.1972	$2.9000	$1.8696	$1.8766	$1.8766	$2.2000	$1.8696	$0.0001	$0.0001	$0.0001	$0.0001
2022	5	$3.2972	$2.2596	$3.2500	$3.1972	$3.1972	$2.9000	$1.8696	$1.8766	$1.8766	$2.2000	$1.8696	$0.0001	$0.0001	$0.0001	$0.0001
2022	6	$3.2972	$2.2596	$3.2500	$3.1972	$3.1972	$2.9000	$1.8696	$1.8766	$1.8766	$2.2000	$1.8696	$0.0001	$0.0001	$0.0001	$0.0001
2022	7	$3.1840	$2.1920	$3.0618	$3.0840	$3.0840	$2.7118	$1.8020	$1.8090	$1.8090	$2.2000	$1.8020	$0.0001	$0.0001	$0.0001	$0.0001
2022	8	$3.1840	$2.1920	$3.0618	$3.0840	$3.0840	$2.7118	$1.8020	$1.8090	$1.8090	$2.2000	$1.8020	$0.0001	$0.0001	$0.0001	$0.0001
2022	9	$2.6671	$2.0480	$2.7498	$2.5671	$2.5990	$2.3998	$1.6580	$1.6650	$1.6650	$2.2000	$1.6580	$0.0001	$0.0001	$0.0001	$0.0001
2022	10	$2.4162	$1.8265	$2.5427	$2.3162	$2.3162	$2.1927	$1.4365	$1.4435	$1.4435	$2.2000	$1.4365	$0.0001	$0.0001	$0.0001	$0.0001
2022	11	$2.2275	$1.9214	$2.6146	$2.1275	$2.2646	$2.2646	$1.5314	$1.5384	$1.5384	$2.2000	$1.5314	$0.0001	$0.0001	$0.0001	$0.0001
2022	12	$2.3639	$1.9266	$2.6665	$2.2639	$2.3306	$2.3165	$1.5366	$1.5436	$1.5436	$2.2000	$1.5366	$0.0001	$0.0001	$0.0001	$0.0001
2023	1	$3.3036	$2.3489	$3.3051	$3.2036	$3.2036	$2.9551	$1.9589	$1.9659	$1.9659	$2.2000	$1.9589	$0.0001	$0.0001	$0.0001	$0.0001
2023	2	$3.3036	$2.3489	$3.3051	$3.2036	$3.2036	$2.9551	$1.9589	$1.9659	$1.9659	$2.2000	$1.9589	$0.0001	$0.0001	$0.0001	$0.0001
2023	3	$3.3036	$2.3489	$3.3051	$3.2036	$3.2036	$2.9551	$1.9589	$1.9659	$1.9659	$2.2000	$1.9589	$0.0001	$0.0001	$0.0001	$0.0001
2023	4	$3.3036	$2.3489	$3.3051	$3.2036	$3.2036	$2.9551	$1.9589	$1.9659	$1.9659	$2.2000	$1.9589	$0.0001	$0.0001	$0.0001	$0.0001
2023	5	$3.3036	$2.3489	$3.3051	$3.2036	$3.2036	$2.9551	$1.9589	$1.9659	$1.9659	$2.2000	$1.9589	$0.0001	$0.0001	$0.0001	$0.0001
2023	6	$3.3036	$2.3489	$3.3051	$3.2036	$3.2036	$2.9551	$1.9589	$1.9659	$1.9659	$2.2000	$1.9589	$0.0001	$0.0001	$0.0001	$0.0001
2023	7	$3.1979	$2.2918	$3.1257	$3.0979	$3.0979	$2.7757	$1.9018	$1.9088	$1.9088	$2.2000	$1.9018	$0.0001	$0.0001	$0.0001	$0.0001
2023	8	$3.1979	$2.2918	$3.1257	$3.0979	$3.0979	$2.7757	$1.9018	$1.9088	$1.9088	$2.2000	$1.9018	$0.0001	$0.0001	$0.0001	$0.0001
2023	9	$2.6866	$2.1841	$2.8365	$2.5866	$2.6461	$2.4865	$1.7941	$1.8011	$1.8011	$2.2000	$1.7941	$0.0001	$0.0001	$0.0001	$0.0001
2023	10	$2.4410	$1.9906	$2.6177	$2.3410	$2.3410	$2.2677	$1.6006	$1.6076	$1.6076	$2.2000	$1.6006	$0.0001	$0.0001	$0.0001	$0.0001
2023	11	$2.2709	$2.0629	$2.7046	$2.1709	$2.3546	$2.3546	$1.6729	$1.6799	$1.6799	$2.2000	$1.6729	$0.0001	$0.0001	$0.0001	$0.0001
2023	12	$2.4268	$2.0689	$2.7584	$2.3268	$2.4158	$2.4084	$1.6789	$1.6859	$1.6859	$2.2000	$1.6789	$0.0001	$0.0001	$0.0001	$0.0001

Acronym		NPWLS1	NPWLS2	NPWLS3	ClaySall	DSM19	DSM20	DSM21	DSM22	DSM23	empty	empty
Node		Stanfield	Stanfield	Stanfield	Rockies	IMG	IMG	IMG	IMG	IMG	0	0
Year	Period	16	17	18	19	20	21	22	23	24	25	26
2019	1	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	2	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	3	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	4	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	5	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	6	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	7	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	8	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	9	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	10	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	11	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2019	12	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	1	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	2	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	3	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	4	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	5	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	6	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	7	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	8	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	9	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	10	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	11	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2020	12	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	1	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	2	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	3	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	4	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	5	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	6	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	7	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	8	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	9	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	10	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	11	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2021	12	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000

Acronym		NPWLS1	NPWLS2	NPWLS3	ClaySall	DSM19	DSM20	DSM21	DSM22	DSM23	empty	empty
Node		Stanfield	Stanfield	Stanfield	Rockies	IMG	IMG	IMG	IMG	IMG	0	0
Year	Period	16	17	18	19	20	21	22	23	24	25	26
2022	1	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	2	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	3	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	4	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	5	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	6	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	7	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	8	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	9	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	10	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	11	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2022	12	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	1	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	2	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	3	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	4	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	5	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	6	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	7	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	8	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	9	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	10	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	11	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000
2023	12	$0.0001	$0.0001	$0.0001	$0.0001	$4.3618	$4.3618	$4.3618	$4.3618	$4.3618	$0.0000	$0.0000