

Intermountain Gas Company
Design Weather Load Demand Curve
Integrated Resource Plan 2019 – 2023



In the Community to Serve[®]

Exhibit No. 8
Fall 2019

INTERMOUNTAIN GAS COMPANY IRP

Load Duration Curve (MMBtu)

Weather: Design

Growth: Base

Year	Year #	Period	Idaho Falls		Sun Valley		Sun Valley		Canyon		Canyon		All-Other		All-Other		State St.		State St.		Central Ada		Central Ada		Total Company	
			Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow
2019	1	1	80,697	80,697	19,225	19,225	88,664	88,664	260,597	260,597	65,854	65,854	66,041	66,041	66,041	66,041	65,854	65,854	66,041	66,041	66,041	66,041	581,078	581,078		
2019	1	2	78,062	78,062	18,805	18,805	87,869	87,869	255,505	255,505	65,038	65,038	65,225	65,225	65,225	65,225	65,038	65,038	65,225	65,225	65,225	65,225	570,504	570,504		
2019	1	3	76,078	148,866	18,595	36,768	87,856	174,929	252,369	505,634	65,031	65,031	65,218	129,626	65,218	129,626	65,031	129,626	65,218	129,626	65,218	129,626	565,147	1,125,075		
2019	1	4	70,153	313,147	17,545	70,682	84,674	373,902	237,355	1,063,989	61,765	257,980	61,952	258,917	61,952	258,917	61,765	257,980	61,952	258,917	61,952	258,917	533,444	2,338,317		
2019	1	5	60,243	472,796	12,915	101,446	70,251	555,403	205,736	1,612,723	47,016	369,477	47,203	370,980	47,203	370,980	47,016	369,477	47,203	370,980	47,203	370,980	443,364	3,482,825		
2019	1	6	58,257	800,905	12,501	173,572	67,861	929,455	199,277	2,781,093	44,565	603,142	44,752	605,770	44,752	605,770	44,565	603,142	44,752	605,770	44,752	605,770	427,213	5,993,937		
2019	1	7	56,327	1,694,945	12,298	378,432	64,687	1,944,400	200,671	5,947,001	41,303	1,216,711	41,740	1,222,342	41,740	1,222,342	41,303	1,216,711	41,740	1,222,342	41,740	1,222,342	417,026	12,403,831		
2019	1	8	53,095	1,464,289	12,094	335,071	58,303	1,565,506	186,719	5,010,851	34,762	904,343	34,947	906,080	34,947	906,080	34,762	904,343	34,947	906,080	34,947	906,080	379,920	10,186,140		
2019	1	9	51,552	2,728,966	11,629	584,384	53,575	3,026,116	171,811	9,945,848	29,886	1,576,655	30,069	1,587,087	30,069	1,587,087	29,886	1,576,655	30,069	1,587,087	30,069	1,587,087	348,522	19,449,056		
2019	1	10	39,906	2,222,035	7,725	402,325	46,209	2,498,239	146,174	8,246,785	22,396	1,036,436	22,700	1,045,280	22,700	1,045,280	22,396	1,036,436	22,700	1,045,280	22,700	1,045,280	285,110	15,451,100		
2019	1	11	32,096	1,854,358	5,412	282,232	35,293	2,060,714	131,365	7,318,778	11,115	589,135	11,294	600,374	11,294	600,374	11,115	589,135	11,294	600,374	11,294	600,374	226,575	12,705,591		
2019	1	12	28,672	2,320,439	3,688	222,979	31,866	2,618,432	109,465	9,535,099	7,725	392,764	7,910	410,007	7,910	410,007	7,725	392,764	7,910	410,007	7,910	410,007	189,326	15,499,720		
2020	2	1	82,663	82,663	19,662	19,662	92,065	92,065	267,463	267,463	67,587	67,587	67,671	67,671	67,671	67,671	67,587	67,587	67,671	67,671	67,671	67,671	597,111	597,111		
2020	2	2	79,955	79,955	19,233	19,233	91,227	91,227	262,180	262,180	66,748	66,748	66,834	66,834	66,834	66,834	66,748	66,748	66,834	66,834	66,834	66,834	586,177	586,177		
2020	2	3	77,914	152,448	19,019	37,605	91,213	181,602	258,921	518,746	66,742	132,652	66,828	132,825	66,828	132,825	66,742	132,652	66,828	132,825	66,828	132,825	580,637	1,155,878		
2020	2	4	71,825	320,455	17,945	72,302	87,860	388,858	243,361	1,089,578	63,388	264,731	63,479	265,270	63,479	265,270	63,388	264,731	63,479	265,270	63,479	265,270	547,858	2,399,194		
2020	2	5	61,638	483,703	13,212	103,780	72,662	574,336	210,602	1,650,452	48,244	379,119	48,368	380,052	48,368	380,052	48,244	379,119	48,368	380,052	48,368	380,052	454,716	3,571,442		
2020	2	6	59,596	820,924	12,789	178,912	70,145	960,301	203,907	2,841,839	45,727	618,850	45,845	620,552	45,845	620,552	45,727	618,850	45,845	620,552	45,845	620,552	438,009	6,041,378		
2020	2	7	58,221	1,770,714	12,586	389,698	66,799	2,002,598	204,436	6,040,849	42,377	1,247,787	42,500	1,245,210	42,500	1,245,210	42,377	1,247,787	42,500	1,245,210	42,500	1,245,210	426,919	12,696,856		
2020	2	8	56,153	1,543,378	12,552	345,528	60,073	1,610,186	187,983	5,061,264	35,660	927,347	35,790	927,021	35,790	927,021	35,660	927,347	35,790	927,021	35,790	927,021	388,211	10,414,724		
2020	2	9	53,621	2,880,557	11,952	603,173	55,095	3,097,981	174,530	10,034,394	30,654	1,614,539	30,792	1,623,750	30,792	1,623,750	30,654	1,614,539	30,792	1,623,750	30,792	1,623,750	356,644	19,854,394		
2020	2	10	41,876	2,318,558	8,031	415,357	47,072	2,541,866	148,211	8,306,833	22,873	1,059,342	23,036	1,073,525	23,036	1,073,525	22,873	1,059,342	23,036	1,073,525	23,036	1,073,525	291,099	15,715,481		
2020	2	11	32,717	1,889,017	5,544	289,186	35,835	2,088,513	132,955	7,424,497	11,380	602,932	12,137	617,366	12,137	617,366	11,380	602,932	12,137	617,366	12,137	617,366	230,568	12,911,511		
2020	2	12	29,190	2,383,509	3,781	230,959	32,217	2,661,665	110,844	9,743,389	7,899	403,913	8,117	425,194	8,117	425,194	7,899	403,913	8,117	425,194	8,117	425,194	192,048	15,848,629		
2021	3	1	84,623	84,623	20,099	20,099	95,557	95,557	274,067	274,067	69,366	69,366	69,380	69,380	69,380	69,380	69,366	69,366	69,380	69,380	69,380	69,380	613,090	613,090		
2021	3	2	81,855	81,855	19,661	19,661	94,673	94,673	268,581	268,581	68,505	68,505	68,522	68,522	68,522	68,522	68,505	68,505	68,522	68,522	68,522	68,522	601,775	601,775		
2021	3	3	79,735	155,989	19,442	38,442	94,659	188,446	265,199	531,308	68,498	136,142	68,515	136,178	68,515	136,178	68,498	136,142	68,515	136,178	68,515	136,178	596,046	1,186,505		
2021	3	4	73,466	327,526	18,343	73,897	91,120	400,272	249,057	1,113,385	65,055	271,666	65,082	271,970	65,082	271,970	65,055	271,666	65,082	271,970	65,082	271,970	562,121	2,458,714		
2021	3	5	62,981	494,160	13,503	106,060	75,085	593,341	215,089	1,685,140	49,504	389,020	49,580	389,652	49,580	389,652	49,504	389,020	49,580	389,652	49,580	389,652	465,740	3,657,373		
2021	3	6	60,879	838,478	13,069	182,844	72,429	991,100	208,170	2,900,898	46,921	634,983	47,004	636,230	47,004	636,230	46,921	634,983	47,004	636,230	47,004	636,230	448,470	6,184,533		
2021	3	7	59,454	1,808,180	12,862	398,242	68,898	2,063,986	208,726	6,162,944	43,481	1,280,228	43,574	1,276,674	43,574	1,276,674	43,481	1,280,228	43,574	1,276,674	43,574	1,276,674	437,003	12,990,252		
2021	3	8	57,334	1,575,540	12,827	353,092	61,801	1,654,604	191,700	5,158,602	36,584	951,317	36,696	949,630	36,696	949,630	36,584	951,317	36,696	949,630	36,696	949,630	396,940	20,642,785		
2021	3	9	54,723	2,936,360	12,213	616,214	56,543	3,172,070	177,751	10,214,206	31,444	1,655,829	31,569	1,656,867	31,569	1,656,867	31,444	1,655,829	31,569	1,656,867	31,569	1,656,867	364,241	20,251,544		
2021	3	10	42,634	2,357,723	8,203	424,085	48,086	2,585,164	150,394	8,425,920	23,454	1,085,744	23,618	1,089,539	23,618	1,089,539	23,454	1,085,744	23,618	1,089,539	23,618	1,089,539	296,387	15,968,173		
2021	3	11	33,202	1,915,649	5,657	295,016	36,215	2,106,817	135,206	7,502,929	11,653	617,103	11,837	628,931	11,837	628,931	11,653	617,103	11,837	628,931	11,837	628,931	233,768	13,065,753		
2021	3	12	29,576	2,385,123	3,855	235,091	32,409	2,633,467	111,723	9,699,334	8,078	408,004	8,280	427,776	8,280	427,776	8,078	408,004	8,280	427,776	8,280	427,776	193,919	15,788,795		

INTERMOUNTAIN GAS COMPANY IRP

Load Duration Curve (MMBtu)

Weather: Design

Growth: Base

Year	Year #	Period	Idaho Falls		Sun Valley		Sun Valley		Canyon		All-Other		All-Other		State St.		Central Ada		Central Ada		Total Company	
			Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow	Peak	Flow
2022	4	1	86,404	86,404	20,509	20,509	99,286	99,286	280,569	280,569	71,193	71,193	71,130	71,130	629,091	629,091	617,406	617,406	611,493	611,493	1,217,211	1,217,211
2022	4	2	83,537	83,537	20,061	20,061	98,355	98,355	274,894	274,894	70,309	70,309	70,250	70,250	617,406	617,406	611,493	611,493	1,217,211	1,217,211	629,091	629,091
2022	4	3	81,377	159,175	19,837	39,222	98,340	195,763	271,394	543,711	70,302	139,727	70,243	139,613	611,493	1,217,211	629,091	629,091	617,406	617,406	1,217,211	1,217,211
2022	4	4	74,931	333,724	18,714	75,364	94,615	414,838	254,706	1,137,380	66,766	278,785	66,724	278,831	576,456	2,518,922	476,930	476,930	459,110	459,110	3,744,675	3,744,675
2022	4	5	64,149	503,235	13,768	108,137	77,736	614,172	219,647	1,720,455	50,799	399,191	50,831	399,485	476,930	2,518,922	459,110	459,110	447,275	447,275	13,290,304	13,290,304
2022	4	6	61,988	853,621	13,325	186,423	74,939	1,025,063	212,522	2,961,350	48,146	651,551	48,190	652,284	459,110	6,330,292	459,110	459,110	447,275	447,275	13,290,304	13,290,304
2022	4	7	60,534	1,840,337	13,112	406,015	71,221	2,132,387	213,121	6,289,128	44,614	1,313,543	44,673	1,308,894	447,275	13,290,304	447,275	447,275	447,275	447,275	13,290,304	13,290,304
2022	4	8	58,345	1,602,929	13,078	359,964	63,750	1,705,224	195,600	5,260,551	37,533	975,913	37,622	973,601	405,928	10,878,182	405,928	405,928	405,928	405,928	10,878,182	10,878,182
2022	4	9	55,656	2,982,104	12,449	627,846	58,211	3,259,803	181,155	10,401,652	32,254	1,698,235	32,365	1,698,703	372,090	20,668,343	372,090	372,090	372,090	372,090	20,668,343	20,668,343
2022	4	10	43,231	2,387,033	8,353	431,512	49,326	2,641,948	152,838	8,555,003	24,050	1,112,862	24,214	1,117,073	302,012	16,245,431	302,012	302,012	302,012	302,012	16,245,431	16,245,431
2022	4	11	33,523	1,932,282	5,748	299,547	36,808	2,138,031	137,215	7,598,997	11,933	631,655	12,136	644,847	237,363	13,245,359	237,363	237,363	237,363	237,363	13,245,359	13,245,359
2022	4	12	29,798	2,396,106	3,908	235,299	32,810	2,652,224	112,955	9,796,325	8,262	415,937	8,490	438,652	196,223	15,934,543	196,223	196,223	196,223	196,223	15,934,543	15,934,543
2023	5	1	88,409	88,409	20,899	20,899	103,086	103,086	286,935	286,935	73,070	73,070	72,931	72,931	645,330	645,330	633,281	633,281	633,281	633,281	1,248,416	1,248,416
2023	5	2	85,463	85,463	20,441	20,441	102,107	102,107	281,079	281,079	72,162	72,162	72,029	72,029	633,281	1,248,416	633,281	633,281	633,281	633,281	1,248,416	1,248,416
2023	5	3	83,244	162,811	20,212	39,963	102,092	203,219	277,461	555,865	72,155	143,410	72,022	143,148	627,186	1,248,416	627,186	627,186	627,186	627,186	1,248,416	1,248,416
2023	5	4	76,620	341,047	19,066	76,736	98,176	429,673	260,262	1,161,234	68,524	286,099	68,413	285,898	591,061	2,580,687	591,061	591,061	591,061	591,061	2,580,687	2,580,687
2023	5	5	65,542	514,106	14,015	110,073	80,436	635,379	224,207	1,755,834	52,129	409,636	52,120	409,614	488,449	3,834,642	488,449	488,449	488,449	488,449	3,834,642	3,834,642
2023	5	6	63,321	871,899	13,562	189,747	77,496	1,059,640	216,885	3,022,137	49,405	668,568	49,412	668,834	470,081	6,480,825	470,081	470,081	470,081	470,081	6,480,825	6,480,825
2023	5	7	61,827	1,879,448	13,345	413,237	73,588	2,201,982	217,536	6,416,737	45,778	1,347,756	45,807	1,342,125	457,981	13,601,285	457,981	457,981	457,981	457,981	13,601,285	13,601,285
2023	5	8	59,579	1,636,631	13,311	366,342	65,735	1,756,769	199,560	5,364,958	38,507	1,001,170	38,578	998,357	415,270	11,124,227	415,270	415,270	415,270	415,270	11,124,227	11,124,227
2023	5	9	56,815	3,041,528	12,668	638,444	59,914	3,349,021	184,676	10,597,674	33,086	1,741,784	33,189	1,741,985	380,348	21,110,436	380,348	380,348	380,348	380,348	21,110,436	21,110,436
2023	5	10	44,050	2,430,088	8,486	437,958	50,584	2,699,639	155,479	8,696,555	24,662	1,140,713	24,832	1,145,693	308,093	16,550,646	308,093	308,093	308,093	308,093	16,550,646	16,550,646
2023	5	11	34,073	1,962,741	5,824	303,158	37,417	2,169,775	139,460	7,711,928	12,220	646,601	12,449	661,564	241,443	13,455,767	241,443	241,443	241,443	241,443	13,455,767	13,455,767
2023	5	12	30,245	2,427,748	3,946	236,184	33,217	2,671,022	114,460	9,918,036	8,451	424,084	8,711	450,404	199,030	16,127,478	199,030	199,030	199,030	199,030	16,127,478	16,127,478