

BEFORE THE
IDAHO PUBLIC UTILITIES COMMISSION

CASE NO. IPC-E-09-03

IDAHO POWER COMPANY

BOKENKAMP, DI REB
TESTIMONY

EXHIBIT NO. 10

Average Energy

	2009												2010											
	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
Load and Resource Balance																								
Load Forecast (70th%)	(1,923)	(1,776)	(1,563)	(1,566)	(1,764)	(2,187)	(2,472)	(2,266)	(1,889)	(1,610)	(1,754)	(2,060)	(2,050)	(1,898)	(1,679)	(1,670)	(1,857)	(2,249)	(2,524)	(2,327)	(1,942)	(1,653)	(1,804)	(2,123)
Existing DSM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Load Forecast (70th%) w/DSM	(1,912)	(1,765)	(1,552)	(1,554)	(1,751)	(2,172)	(2,457)	(2,251)	(1,877)	(1,599)	(1,743)	(2,049)	(2,028)	(1,877)	(1,657)	(1,647)	(1,832)	(2,219)	(2,494)	(2,298)	(1,918)	(1,630)	(1,782)	(2,101)
May 2009 Load Forecast																								
Load Forecast (70th%) w/DSM	(1,821)	(1,708)	(1,506)	(1,529)	(1,709)	(2,108)	(2,395)	(2,190)	(1,791)	(1,493)	(1,644)	(1,971)	(1,952)	(1,809)	(1,597)	(1,587)	(1,772)	(2,174)	(2,449)	(2,255)	(1,878)	(1,589)	(1,737)	(2,050)
Load Forecast Change (May 2009)	91	57	46	26	43	64	62	61	87	106	99	79	76	68	60	60	60	45	44	43	40	41	45	51
Existing Resources																								
Coal																								
Hydro (70th%) - HCC	920	912	920	764	708	880	919	919	919	918	919	919	919	919	861	628	587	919	924	924	924	922	924	924
Hydro (70th%) - Other	677	534	609	705	848	671	471	368	419	425	363	483	688	562	559	702	846	669	469	366	417	420	365	481
Shoshone Falls Upgrade	219	305	257	246	333	344	253	248	240	222	208	212	218	304	256	245	332	342	252	247	238	221	207	211
Total Hydro (70th%)	896	838	866	951	1,181	1,015	724	616	659	647	572	695	906	866	815	947	1,177	1,011	720	613	655	641	572	692
CSPP (including wind)	58	64	72	96	137	147	145	141	129	100	77	76	63	70	72	96	137	147	145	141	129	100	77	122
Power Purchase Agreements																								
Elkhorn Valley Wind	34	33	34	35	30	37	37	33	29	35	32	44	34	33	34	35	30	37	37	33	29	35	32	44
Reft River Geothermal	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
PPL Montana - Jefferson (83 MW)	0	0	0	0	0	48	46	46	0	0	0	0	0	0	0	0	0	48	48	46	0	0	0	0
East Side Purchase (50 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	28	0	0	0	0
Mead Purchase	0	0	0	0	0	0	42	42	0	0	0	0	0	0	0	0	0	0	42	42	0	0	0	0
Total Power Purchase Agreements	44	43	44	45	40	95	136	131	39	45	42	54	44	43	44	45	40	95	166	159	39	45	42	54
Firm Pacific NW Import Capability (Actuals Through Sept 2010)	1	223	23	196	302	244	106	190	179	97	293	227	270	325	238	310	301	241	123	187	177	44	364	309
Boardman to Hemingway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	1,919	2,081	1,925	2,051	2,367	2,380	2,029	1,997	1,923	1,806	1,902	1,970	2,201	2,222	2,031	2,025	2,242	2,414	2,078	2,024	1,923	1,752	1,979	2,100

	2009	2010
2009 IRP DSM	1,919	2,100
Industrial	1	1
Commercial	0	0
Residential	1	1
Total New DSM Average Energy	2	3

Average Energy	2011												2012											
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
Load and Resource Balance	(2,112)	(1,954)	(1,726)	(1,715)	(1,904)	(2,302)	(2,587)	(2,388)	(1,991)	(1,691)	(1,848)	(2,165)	(2,140)	(1,966)	(1,747)	(1,737)	(1,929)	(2,351)	(2,661)	(2,448)	(2,026)	(1,721)	(1,861)	(2,204)
Load Forecast (70th%)	32	32	32	33	33	44	44	43	35	33	32	32	42	40	42	44	48	58	58	57	46	42	42	42
Existing DSM	(2,080)	(1,922)	(1,694)	(1,681)	(1,867)	(2,258)	(2,543)	(2,344)	(1,956)	(1,658)	(1,816)	(2,133)	(2,098)	(1,925)	(1,705)	(1,693)	(1,881)	(2,293)	(2,603)	(2,391)	(1,980)	(1,679)	(1,839)	(2,162)
Net Load Forecast (70th%) w/DSM	(2,039)	(1,885)	(1,659)	(1,645)	(1,831)	(2,222)	(2,503)	(2,305)	(1,921)	(1,625)	(1,781)	(2,092)	(2,072)	(1,901)	(1,683)	(1,670)	(1,857)	(2,270)	(2,577)	(2,367)	(1,957)	(1,657)	(1,819)	(2,138)
Load Forecast (70th%) w/DSM	41	37	35	36	36	36	40	39	35	33	35	41	27	24	23	23	24	24	26	25	23	21	21	24
Load Forecast Change (May 2009)	924	924	924	685	712	905	928	928	928	928	928	928	928	939	928	835	718	881	934	934	934	933	934	934
Existing Resources	685	558	559	700	844	667	467	364	415	416	364	480	683	562	551	698	842	665	464	362	414	414	364	478
Coal	217	303	255	244	330	341	250	246	237	220	206	210	216	302	254	243	329	340	249	244	236	219	205	208
Hydro (70th%) - HCC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro (70th%) - Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shoshone Falls Upgrade	902	861	814	944	1,174	1,008	717	610	652	635	570	689	899	864	805	941	1,171	1,005	713	606	650	633	569	686
Total Hydro (70th%)	902	861	814	944	1,174	1,008	717	610	652	635	570	689	899	864	805	941	1,171	1,005	713	606	650	633	569	686
CSPP (including wind)	99	120	130	148	185	195	181	174	172	146	120	125	101	120	130	148	185	195	181	174	172	146	120	125
Power Purchase Agreements	34	33	34	35	30	37	37	33	29	35	32	44	34	33	34	35	30	37	37	33	29	35	32	44
Elkhorn Valley Wind	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Raft River Geothermal	0	0	0	0	0	48	45	48	0	0	0	0	0	0	0	0	0	0	45	48	0	0	0	0
PPL Montana - Jefferson (63 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East Side Purchase (50 MW)	0	0	0	0	0	0	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Mead Purchase	44	43	44	45	40	95	134	133	39	45	42	54	44	43	44	45	40	47	92	91	39	45	42	54
Total Power Purchase Agreements	342	389	372	387	343	237	117	183	175	127	363	307	340	387	396	287	363	233	114	180	172	172	361	305
Firm Pacific NW Import Capability (Actuals Through Sept 2010)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	251	251	251	251	251	251
Boardman to Hemingway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	2,311	2,337	2,285	2,208	2,453	2,441	2,077	2,028	1,966	1,880	2,023	2,104	2,312	2,353	2,304	2,255	2,475	2,362	2,286	2,237	2,218	2,179	2,277	2,355
2009 IRLP DSM	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Industrial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Residential	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total New DSM Average Energy	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

2014

2013

	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
Average Energy																								
Load and Resource Balance																								
Load Forecast (70th%)	(2,175)	(2,009)	(1,773)	(1,763)	(1,957)	(2,381)	(2,698)	(2,484)	(2,054)	(1,748)	(1,912)	(2,241)	(2,211)	(2,042)	(1,802)	(1,792)	(1,986)	(2,414)	(2,737)	(2,521)	(2,084)	(1,775)	(1,943)	(2,278)
Existing DSM	50	50	51	52	58	70	70	69	55	51	50	51	59	59	59	61	68	83	83	81	65	60	59	59
Net Load Forecast (70th%) w/DSM	(2,124)	(1,959)	(1,722)	(1,710)	(1,899)	(2,312)	(2,628)	(2,415)	(1,999)	(1,697)	(1,861)	(2,191)	(2,152)	(1,983)	(1,743)	(1,730)	(1,918)	(2,331)	(2,654)	(2,440)	(2,019)	(1,715)	(1,884)	(2,219)
May 2009 Load Forecast																								
Load Forecast (70th%) w/DSM	(2,106)	(1,943)	(1,708)	(1,695)	(1,884)	(2,298)	(2,613)	(2,401)	(1,985)	(1,684)	(1,850)	(2,178)	(2,143)	(1,975)	(1,734)	(1,720)	(1,907)	(2,321)	(2,643)	(2,429)	(2,008)	(1,705)	(1,875)	(2,209)
Load Forecast Change (May 2009)	18	16	15	15	15	13	15	14	14	13	11	13	9	8	9	11	12	10	11	11	11	10	9	10
Existing Resources																								
Coal																								
Hydro (70th%) - HCC	934	934	889	661	860	934	940	940	940	939	940	940	940	932	875	652	726	930	940	940	940	939	940	940
Hydro (70th%) - Other	600	601	600	696	839	662	462	360	411	399	365	476	633	564	598	694	837	660	460	358	409	395	364	474
Shoshone Falls Upgrade	215	301	253	241	328	339	248	243	235	217	204	207	214	300	252	240	327	338	246	242	233	216	202	206
Total Hydro (70th%)	815	902	853	937	1,168	1,001	710	603	645	617	569	683	846	864	851	934	1,164	998	707	600	642	612	567	681
CSPP (including wind)	101	120	130	148	185	195	181	174	172	146	120	125	101	120	130	148	185	195	181	174	172	146	120	125
Power Purchase Agreements																								
Elkhorn Valley Wind	34	33	34	35	30	37	37	33	29	35	32	44	34	33	34	35	30	37	37	33	29	35	32	44
Raft River Geothermal	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
PPL Montana - Jefferson (83 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East Side Purchase (50 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mead Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Power Purchase Agreements	44	43	44	45	40	47	47	43	39	45	42	54	44	43	44	45	40	47	47	43	39	45	42	54
Firm Pacific NW Import Capability (Actuals Through Sept 2010)	337	384	449	388	366	229	110	178	170	222	358	302	335	381	447	390	334	226	106	174	168	322	356	299
Langley Gulch	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
Boardman to Hemingway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	2,482	2,635	2,617	2,430	2,869	2,658	2,240	2,190	2,217	2,219	2,280	2,355	2,518	2,593	2,598	2,420	2,699	2,648	2,232	2,182	2,212	2,314	2,276	2,350

	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
2009 IIRP DSM																								
Industrial	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Commercial	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Residential	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total New DSM Average Energy	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

2015

2016

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Average Energy																								
Load and Resource Balance																								
Load Forecast (70th%)	(2,244)	(2,073)	(1,830)	(1,818)	(2,012)	(2,443)	(2,773)	(2,556)	(2,111)	(1,800)	(1,972)	(2,316)	(2,284)	(2,096)	(1,864)	(1,850)	(2,044)	(2,478)	(2,816)	(2,597)	(2,143)	(1,830)	(2,007)	(2,348)
Existing DSM	67	67	68	70	78	95	96	93	74	68	68	67	76	73	76	79	88	108	108	106	83	77	76	76
Net Load Forecast (70th%) w/DSM	(2,177)	(2,005)	(1,763)	(1,748)	(1,935)	(2,348)	(2,677)	(2,463)	(2,037)	(1,732)	(1,904)	(2,248)	(2,208)	(2,023)	(1,789)	(1,772)	(1,956)	(2,370)	(2,708)	(2,491)	(2,060)	(1,753)	(1,931)	(2,272)
May 2009 Load Forecast																								
Load Forecast (70th%) w/DSM	(2,171)	(2,001)	(1,756)	(1,740)	(1,925)	(2,340)	(2,668)	(2,453)	(2,027)	(1,723)	(1,897)	(2,239)	(2,202)	(2,017)	(1,781)	(1,762)	(1,945)	(2,361)	(2,697)	(2,481)	(2,049)	(1,743)	(1,922)	(2,262)
Load Forecast Change (May 2009)	5	5	6	9	10	8	9	10	10	9	7	9	7	7	8	10	11	9	10	11	11	10	9	10
Existing Resources																								
Coal	938	938	868	777	728	933	938	938	938	937	938	938	937	947	937	727	746	937	937	937	937	936	937	937
Hydro (70th%) - HCC	654	537	598	694	837	660	460	358	409	395	364	474	679	507	598	694	837	660	460	358	409	395	364	474
Hydro (70th%) - Other	214	300	252	240	327	338	246	242	233	216	202	206	214	300	252	240	327	338	246	242	233	216	202	206
Shoshone Falls Upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro (70th%)	868	838	851	934	1,164	998	707	600	642	612	567	681	893	808	851	934	1,164	998	707	600	642	612	567	681
CSPP (including wind)	101	120	130	148	185	195	181	174	172	146	120	125	101	120	130	148	185	195	181	174	172	146	120	125
Power Purchase Agreements																								
Elkhorn Valley Wind	34	33	34	35	30	37	37	33	29	35	32	44	34	33	34	35	30	37	37	33	29	35	32	44
Raft River Geothermal	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
PPL Montana - Jefferson (83 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East Side Purchase (50 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mead Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Power Purchase Agreements	44	43	44	45	40	47	47	43	39	45	42	54	44	43	44	45	40	47	47	43	39	45	42	54
Firm Pacific NW Import Capability	202	379	446	290	335	222	103	172	167	214	354	297	330	376	445	387	336	219	99	169	165	234	351	295
(Actuals Through Sept 2010)																								
Langley Gulch	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
Boardman to Hemingway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	2,405	2,570	2,590	2,445	2,702	2,872	2,452	2,403	2,435	2,429	2,497	2,571	2,781	2,771	2,883	2,717	2,947	2,873	2,447	2,399	2,431	2,448	2,493	2,567
2009 IRP DSM																								
Industrial	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Commercial	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Residential	7	7	7	7	7	6	6	6	7	7	7	7	8	8	8	8	7	7	7	7	8	8	8	8
Total New DSM Average Energy	13	13	13	13	13	12	12	12	13	13	13	13	14	14	14	14	14	14	13	13	14	14	14	14

Peak-Hour **2009** **2010**

Load and Resource Balance	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
Load Forecast (95th%)	(2,587)	(2,463)	(2,164)	(1,973)	(2,790)	(3,334)	(3,494)	(3,138)	(2,936)	(2,170)	(2,405)	(2,811)	(2,704)	(2,578)	(2,275)	(2,044)	(2,901)	(3,404)	(3,573)	(3,227)	(3,020)	(2,209)	(2,461)	(2,933)
Existing DSM	11	11	11	11	13	87	90	80	12	11	11	11	22	22	22	23	25	107	109	99	24	22	22	22
Peak-Hour Load Forecast	(2,576)	(2,452)	(2,153)	(1,962)	(2,777)	(3,247)	(3,404)	(3,058)	(2,924)	(2,159)	(2,394)	(2,800)	(2,682)	(2,556)	(2,253)	(2,021)	(2,876)	(3,297)	(3,464)	(3,128)	(2,996)	(2,187)	(2,439)	(2,911)
May 2009 Load Forecast																								
Peak-Hour Load Forecast (95th Percentile)	(2,478)	(2,400)	(2,107)	(1,924)	(2,732)	(3,181)	(3,338)	(2,996)	(2,863)	(2,051)	(2,288)	(2,715)	(2,599)	(2,485)	(2,191)	(1,962)	(2,818)	(3,265)	(3,422)	(3,090)	(2,971)	(2,148)	(2,397)	(2,854)
Load Forecast Change (May 2009)	98	52	46	38	45	66	66	62	61	108	106	85	83	71	62	59	58	32	42	38	25	39	42	57
Existing Resources																								
Coal																								
Hydro (90th%) - HCC	964	964	964	744	744	964	963	963	963	963	963	963	963	963	963	676	621	963	967	967	967	967	967	967
Hydro (90th%) - Other	1,093	945	585	690	1,201	1,116	980	945	1,035	835	510	785	1,111	945	690	585	1,195	1,118	1,040	945	1,035	835	600	785
Shoshone Falls Upgrade	202	205	196	210	301	313	247	236	217	208	197	201	201	204	195	208	300	312	246	234	216	207	196	200
Total Hydro	1,295	1,150	781	900	1,502	1,429	1,227	1,181	1,252	1,043	707	986	1,312	1,149	885	793	1,495	1,430	1,286	1,179	1,251	1,042	796	985
CSPP (including wind)	40	42	47	73	119	129	133	128	111	79	54	49	41	42	47	73	119	129	133	128	111	79	54	57
Power Purchase Agreements																								
Elkhorn Valley Wind	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Reft River Geothermal	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
PPL Montana - Jefferson (83 MW)	0	0	0	0	0	83	83	83	0	0	0	0	0	0	0	0	0	83	83	83	0	0	0	0
East Side Purchase (50 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mead Purchase	0	0	0	0	0	75	75	75	0	0	0	0	0	0	0	0	0	0	75	75	0	0	0	0
Total Power Purchase Agreements	15	15	15	15	15	98	173	173	15	15	15	15	15	15	15	15	15	98	223	223	15	15	15	15
Firm Pacific NW Import Capability (Actuals Through Sept 2010)	1	223	23	196	302	244	106	190	179	97	293	227	270	325	238	310	301	241	123	187	177	44	364	309
Langley Gulch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boardman to Hemingway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Peakers	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416
Subtotal	2,730	2,809	2,246	2,343	3,098	3,279	3,018	3,050	2,935	2,613	2,448	2,656	3,016	2,909	2,564	2,283	2,966	3,276	3,147	3,100	2,996	2,563	2,612	2,749

2009 IRP DSM	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
Recent Changes (AC Cool Credit)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand Response (Commercial)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Recent Changes (Commercial)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand Response (Irrigation)	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
Recent Changes (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Efficiency Peak Reduction	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total New DSM Peak Reduction	95	154	(41)	(41)	95	154	(41)	(41)	95	154	(41)	(41)	95	154	(41)	(41)	95	154	(41)	(41)	95	154	(41)	(41)

Peak-Hour **2011** **2012**

Load and Resource Balance	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
Load Forecast (95th%)	(2,792)	(2,637)	(2,341)	(2,107)	(2,962)	(3,481)	(3,665)	(3,312)	(3,078)	(2,242)	(2,505)	(2,996)	(2,826)	(2,648)	(2,367)	(2,130)	(3,002)	(3,580)	(3,772)	(3,399)	(3,143)	(2,269)	(2,535)	(3,014)
Existing DSM	32	32	32	33	37	121	123	113	35	33	32	32	42	40	42	44	48	134	137	126	46	42	42	42
Peak-Hour Load Forecast	(2,760)	(2,605)	(2,309)	(2,074)	(2,925)	(3,360)	(3,542)	(3,199)	(3,043)	(2,209)	(2,473)	(2,964)	(2,784)	(2,608)	(2,325)	(2,086)	(2,954)	(3,446)	(3,635)	(3,273)	(3,097)	(2,227)	(2,493)	(2,972)
May 2009 Load Forecast																								
Peak-Hour Load Forecast (95th Percentile)	(2,715)	(2,568)	(2,274)	(2,041)	(2,890)	(3,350)	(3,502)	(3,164)	(3,021)	(2,178)	(2,438)	(2,920)	(2,752)	(2,582)	(2,302)	(2,066)	(2,930)	(3,425)	(3,608)	(3,251)	(3,083)	(2,208)	(2,471)	(2,947)
Load Forecast Change (May 2009)	45	37	35	33	35	30	40	35	22	31	35	44	32	26	23	20	24	21	27	22	14	19	22	25
Existing Resources																								
Coal																								
Hydro (90th%) - HCC	967	967	967	680	790	967	972	972	972	972	972	972	972	972	972	806	751	972	978	978	978	978	978	978
Hydro (90th%) - Other	1,085	900	670	670	1,192	1,121	1,035	945	1,084	770	600	785	1,085	870	670	670	1,170	1,056	1,005	945	1,085	750	510	785
Shoshone Falls Upgrade	200	203	194	207	299	310	245	233	211	206	195	199	201	193	206	298	298	309	244	232	209	205	194	198
Total Hydro	1,295	1,103	864	877	1,491	1,432	1,280	1,178	1,295	976	795	984	1,284	1,071	863	876	1,468	1,366	1,249	1,177	1,294	955	704	983
CSPP (including wind)	49	50	55	81	127	137	141	136	119	87	62	57	49	50	55	81	127	137	141	136	119	87	62	57
Power Purchase Agreements																								
Elkhorn Valley Wind	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Raft River Geothermal	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
PPL Montana - Jefferson (83 MW)	0	0	0	0	0	83	83	83	0	0	0	0	0	0	0	0	0	0	83	83	0	0	0	0
East Side Purchase (50 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mead Purchase	0	0	0	0	0	0	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Power Purchase Agreements	15	15	15	15	15	98	173	173	15	15	15	15	15	15	15	15	15	15	98	98	15	15	15	15
Firm Pacific NW Import Capability	342	389	372	387	343	237	117	183	175	127	363	307	340	387	396	287	363	233	114	180	172	172	361	305
(Actuals Through Sept 2010)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	300	300	300	300	300
Boardman to Hemingway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Peakers	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416
Subtotal	3,084	2,940	2,689	2,456	3,182	3,287	3,099	3,058	2,992	2,593	2,623	2,751	3,076	2,911	2,717	2,481	3,140	3,139	3,296	3,285	3,294	2,923	2,836	3,054

2009 IRP DSM	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
Recent Changes (AC Cool Credit)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Demand Response (Commercial)	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Recent Changes (Commercial)	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Demand Response (Irrigation)	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
Recent Changes (Irrigation)	42	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Energy Efficiency Peak Reduction	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total New DSM Peak Reduction	274	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271

Peak-Hour **2013** **2014**

Load and Resource Balance	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
Load Forecast (95th%)	(2,843)	(2,674)	(2,384)	(2,135)	(3,047)	(3,642)	(3,839)	(3,464)	(3,197)	(2,294)	(2,294)	(3,063)	(2,880)	(2,703)	(2,417)	(2,162)	(3,092)	(3,704)	(3,907)	(3,518)	(3,252)	(2,320)	(2,597)	(3,988)
Existing DSM	50	50	51	52	58	147	150	138	55	51	50	51	59	59	59	61	68	159	162	151	65	60	59	59
Peak-Hour Load Forecast	(2,793)	(2,624)	(2,333)	(2,083)	(2,989)	(3,495)	(3,689)	(3,323)	(3,142)	(2,243)	(2,243)	(3,012)	(2,821)	(2,644)	(2,358)	(2,101)	(3,024)	(3,545)	(3,745)	(3,367)	(3,187)	(2,260)	(2,538)	(3,929)
May 2009 Load Forecast	(2,770)	(2,605)	(2,319)	(2,070)	(2,973)	(3,482)	(3,673)	(3,310)	(3,131)	(2,232)	(2,232)	(3,000)	(2,811)	(2,632)	(2,350)	(2,091)	(3,011)	(3,534)	(3,733)	(3,356)	(3,177)	(2,251)	(2,529)	(3,021)
Load Forecast Change (95th Percentile)	23	19	14	13	16	13	16	13	11	11	11	12	10	12	8	10	13	11	12	11	10	9	9	8
Load Forecast Change (May 2009)	978	978	978	690	923	978	983	983	983	983	983	983	983	983	818	696	763	983	983	983	983	983	983	983
Existing Resources																								
Coal																								
Hydro (90th%) - HCC	1,102	845	590	690	1,170	1,056	1,005	945	1,035	720	600	785	1,101	847	555	690	1,201	1,076	1,005	945	1,035	585	600	871
Hydro (90th%) - Other	198	200	191	205	296	308	242	231	208	204	192	197	190	199	190	203	295	307	241	230	207	202	191	196
Shoshone Falls Upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro	1,299	1,045	781	895	1,466	1,364	1,247	1,176	1,243	924	792	982	1,297	1,046	745	893	1,496	1,383	1,246	1,175	1,242	788	791	1,067
CSP (including wind)	49	50	55	81	127	137	141	136	119	87	62	57	49	50	55	81	127	137	141	136	119	87	62	57
Power Purchase Agreements																								
Elkhorn Valley Wind	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Raft River Geothermal	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
PPL Montana - Jefferson (83 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East Side Purchase (50 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mead Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Power Purchase Agreements	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Firm Pacific NW Import Capability (Actuals Through Sept 2010)	337	384	449	388	366	229	110	178	170	222	358	302	335	381	447	390	334	226	106	174	168	322	356	299
Langley Gulch	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Boardman to Hemingway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas Peakers	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416
Subtotal	3,394	3,188	2,994	2,785	3,613	3,439	3,212	3,204	3,246	2,947	2,926	3,055	3,395	3,191	2,796	2,791	3,451	3,460	3,207	3,199	3,243	2,911	2,923	3,137

2009 IRP DSM	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
Recent Changes (AC Cool Credit)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand Response (Commercial)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand Response (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Efficiency Peak Reduction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total New DSM Peak Reduction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

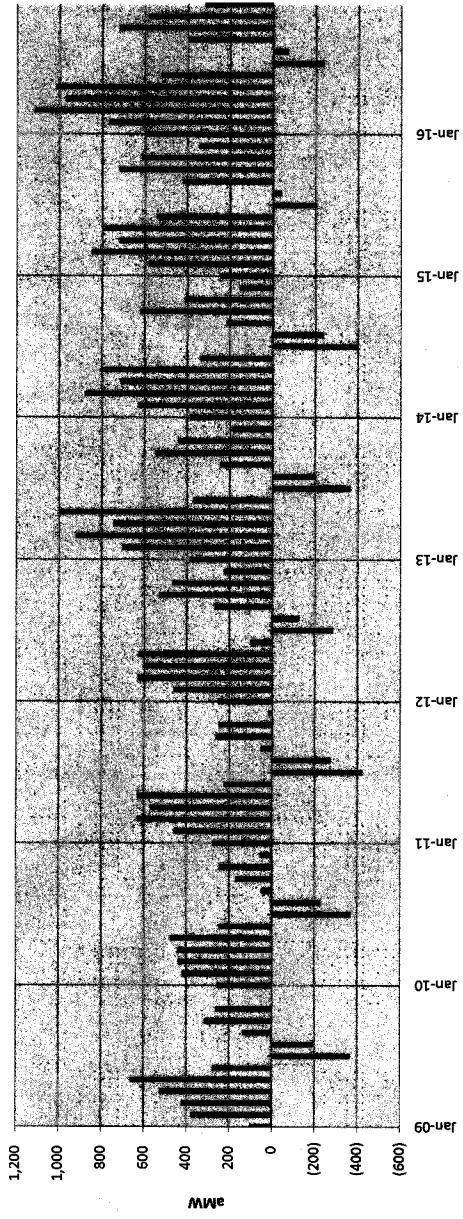
Peak-Hour **2015** **2016**

Load and Resource Balance	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
Load Forecast (95th%)	(2,901)	(2,723)	(2,442)	(2,174)	(3,135)	(3,765)	(3,973)	(3,573)	(3,306)	(2,342)	(2,626)	(3,120)	(2,936)	(2,743)	(2,474)	(2,194)	(3,182)	(3,829)	(4,045)	(3,638)	(3,360)	(2,370)	(2,662)	(3,159)	
Existing DSM	67	67	68	70	78	172	175	163	74	68	68	67	76	73	76	79	88	184	187	175	83	77	76	76	
Peak-Hour Load Forecast	(2,834)	(2,656)	(2,374)	(2,104)	(3,057)	(3,593)	(3,798)	(3,410)	(3,232)	(2,274)	(2,558)	(3,053)	(2,860)	(2,670)	(2,398)	(2,115)	(3,094)	(3,645)	(3,858)	(3,463)	(3,277)	(2,293)	(2,586)	(3,083)	
May 2009 Load Forecast																									
Peak-Hour Load Forecast (95th Percentile)	(2,827)	(2,647)	(2,368)	(2,096)	(3,045)	(3,583)	(3,787)	(3,400)	(3,222)	(2,266)	(2,550)	(3,046)	(2,850)	(2,662)	(2,391)	(2,106)	(3,082)	(3,634)	(3,847)	(3,452)	(3,267)	(2,284)	(2,577)	(3,075)	
Load Forecast Change (May 2009)	7	9	6	8	12	10	11	10	10	8	8	7	10	8	7	9	12	11	11	11	10	9	9	8	
Existing Resources																									
Coal	982	982	816	816	761	982	982	982	982	982	982	982	980	980	980	980	925	980	980	980	980	980	980	980	980
Hydro (90th%) - HCC	1,079	847	555	690	1,199	1,115	1,035	945	1,035	765	600	786	1,101	837	555	685	1,197	1,127	1,005	945	1,035	765	600	871	
Hydro (90th%) - Other	197	199	190	203	295	307	241	230	207	202	191	196	197	199	190	203	295	307	241	230	207	202	191	196	
Shoshone Falls Upgrade	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Hydro	1,276	1,046	745	893	1,494	1,422	1,276	1,175	1,242	968	791	982	1,298	1,036	745	888	1,492	1,434	1,246	1,175	1,242	968	791	1,067	
CSPP (including wind)	49	50	55	81	127	137	141	136	119	87	62	57	49	50	55	81	127	137	141	136	119	87	62	57	
Power Purchase Agreements																									
Elkhorn Valley Wind	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Raft River Geothermal	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
PPL Montana - Jefferson (83 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
East Side Purchase (50 MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mead Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Power Purchase Agreements	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Firm Pacific NW Import Capability (Actuals Through Sept 2010)	202	379	446	290	335	222	103	172	167	214	354	297	330	376	445	387	336	219	99	169	165	234	351	295	
Langley Gulch	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Boardman to Hemingway	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gas Peakers	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	416	
Subtotal	3,240	3,188	2,793	2,811	3,448	3,719	3,458	3,421	3,466	3,207	3,145	3,274	3,613	3,398	3,181	3,005	3,836	3,726	3,422	3,416	3,462	3,225	3,140	3,355	

2009 IRP DSM

Recent Changes (AC Cool Credit)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Demand Response (Commercial)	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Recent Changes (Commercial)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand Response (Irrigation)	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
Recent Changes (Irrigation)	52	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Energy Efficiency Peak Reduction	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Total New DSM Peak Reduction	302	300	300	302	300	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Average Energy Monthly Surplus/Deficit



Peak-Hour Monthly Surplus/Deficit

