Small Customer Plan

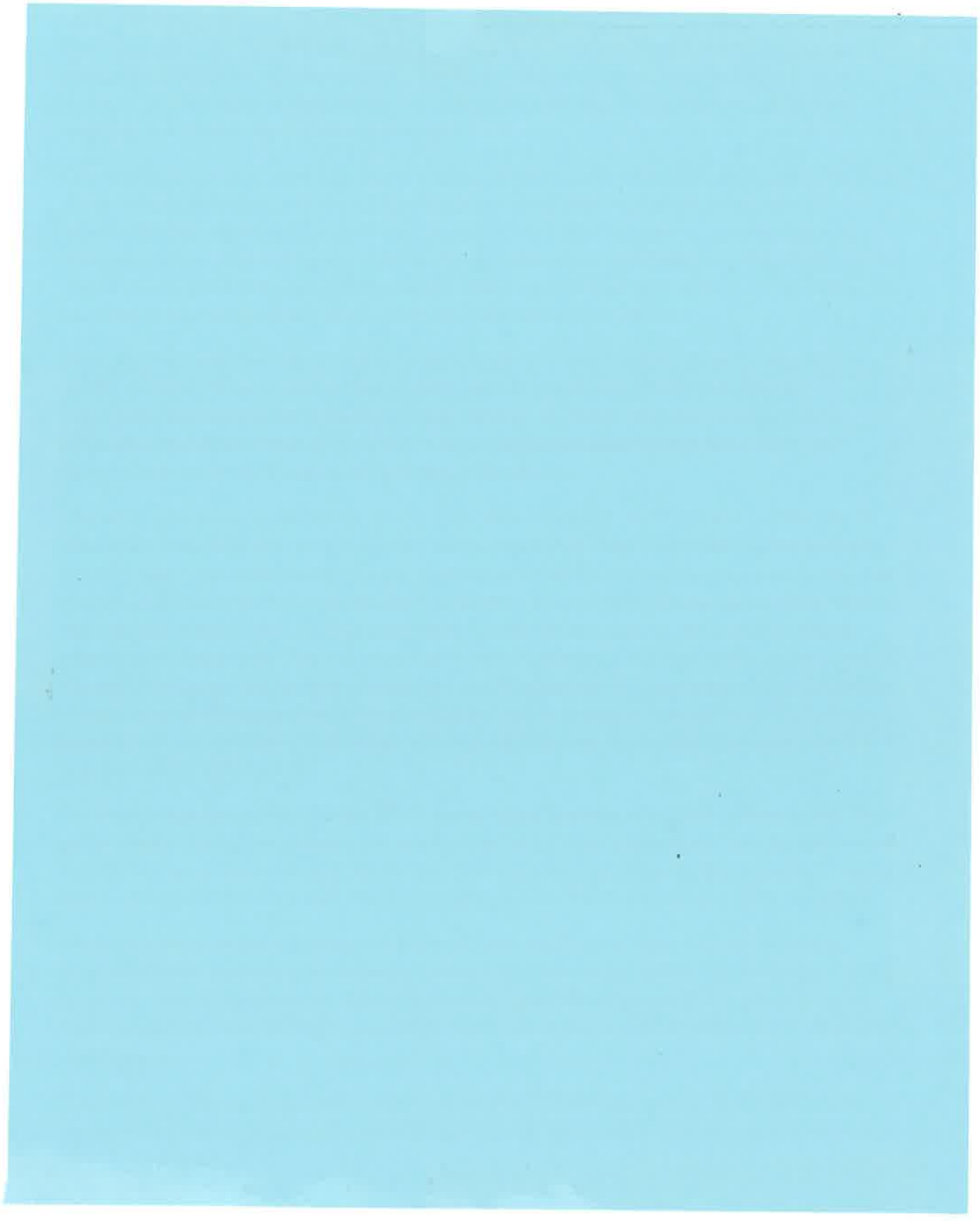
Southwest Water Authority

4665 2nd St. SW

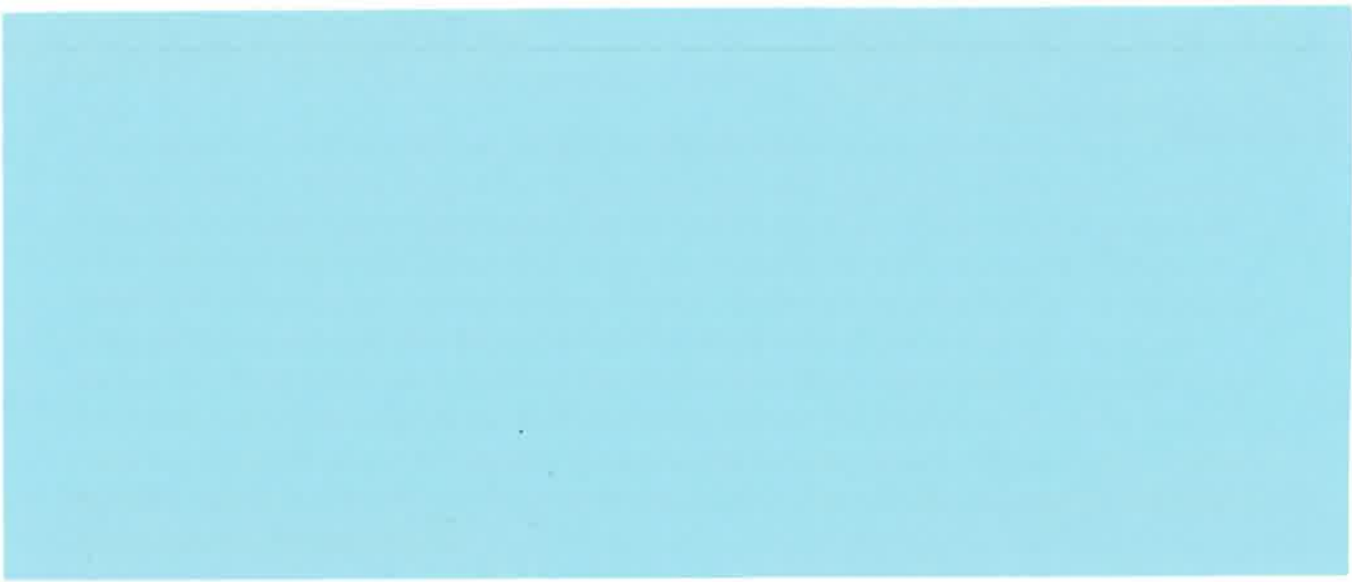
Dickinson, ND 58601-7231

The Southwest Pipeline Project (SWPP) is operated under the guidance of the Southwest Water Authority's Board of Directors, composed of representatives from the cities of Dickinson and Mandan North Dakota, and the twelve counties included in the service area. The Manager/CEO oversees operation of the system by the Water Treatment, Water Distribution, and Administrative staffs. The Water Treatment staff is comprised of the Water Treatment Plant Manager, seven (7) Water Treatment Plant Operators, and a Maintenance Worker. The Water Distribution staff consists of the Water Distribution Manager, an Operations Specialist, a Chief Water Distribution Chief, an Assistant Chief Water Distribution Operator, nine (9) Water Distribution Operators, a Maintenance Electrician, and a Maintenance Worker. The Administrative staff is comprised of the CFO/Office Administrator, two (2) Accountants, two (2) Administrative Assistants, a Customer Service Representative, a Marketing Coordinator, and an Assistant Marketing Coordinator. The system came on- line in the fall of 1991 with initial service being provided to the city of Dickinson. The system evolved into an integrated system composed of five public water systems which now serve 28 communities and approximately 4,250 rural customers.

Small Customer Plan



Small Customer Plan



Southwest Water Authority purchases its major power requirements from Western Area Power Administration (WAPA). The power is produced at federally operated dams on the Missouri River, which make it a low cost power that has very little environmental effects. The electrical power is transmitted over WAPA's facilities to area transmission and distribution agents to the SWPP facilities. Attached are historical demand and energy usage for the water system (Attachment A).

A major consideration during system design is electrical costs, one of the greatest expenses for water delivery within our system. Pumps and motors, along with storage reservoirs, were designed to minimize head pressure and take advantage of gravity flow of water as much as possible. In recent years, variable frequency drives have been used extensively in the design to minimize demand and help control costs. Pump staging, which utilizes the small pumps as much as possible to meet water demand, is practiced routinely. Electrical switchgear and motor controllers are cleaned and maintained in accordance with manufacturer's recommended maintenance requirements. Operators attend workshops and seminars that include pump supplier maintenance training to stay abreast of new technologies that allow for a more efficient system. Our SCADA telemetry system provides us with the flexibility to quickly and easily adjust operation of pump stations and reservoirs to conserve energy. It also provides us with 24 hour a day system monitoring capability through laptop computers at the homes of our on-call operators. Through frequent checks of reservoir levels and system operation during non-business hours, leaks may be detected early on, minimizing water loss and conserving energy.

The Southwest Pipeline Project continues to expand and evolve to meet the needs for water in southwestern North Dakota. Energy development has created new and greater needs for water, thereby requiring changes in original and projected designs, and leaving us with no firm date for project completion, which is also dependent on funding. For projected needs that may include the need for WAPA power during the next five years, please reference Attachment B. As noted earlier, the projected needs are subject to change dependent on final design and funding for future service areas. Changes will be noted on our annual reports.

Small Customer Plan

Should you need additional information concerning the operation of our system or this Small Customer Plan, please contact our office at 701-225-0241 or 888-425-0241. My e-mail address is: lmesser@swwater.com.

Plan prepared by: Lee Messer, Water Distribution Manager, SWA

Lee Messer

Date: March 13, 2012

ATTACHMENT A

Historical Demand and Energy Usage

2007 - 2011

WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY DODGE
ACCOUNT NUMBER - 182306

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	519	64315	16.7	528	55612	14.2	512	53458	14.0	519	58430	15.1
Feb	530	53789	14.6	508	48153	14.1	384	45170	17.5	514	56276	16.3
Mar	520	53375	13.8	528	64729	16.5	511	53540	14.1	519	81140	21.0
Apr	514	54535	14.7	527	55612	14.7	509	58265	15.9	527	61994	16.3
May	512	100616	26.4	534	84289	21.2	509	59674	15.8	514	72852	19.1
Jun	528	129624	34.1	519	110976	29.7	514	109733	29.7	530	116032	30.4
Jul	1104	217974	26.5	497	152499	41.2	502	172971	46.3	527	218803	55.8
Aug	500	194602	52.3	514	155400	40.6	516	188718	49.2	520	218886	56.6
Sep	497	130039	36.3	497	135343	37.8	439	96887	30.7	519	176753	47.3
Oct	499	64895	17.5	472	47324	13.5	441	102854	31.3	517	149530	37.7
Nov	139	50225	50.2	508	48651	13.3	509	80808	22.0	522	141203	37.6
Dec	511	54618	14.4	267	50142	25.2	141	56939	54.3	539	139559	34.8
WTR	530	330857	14.3	528	322899	14.1	512	348180	15.7	539	538602	134.3
SUM	1104	837750	17.2	534	685831	29.1	516	730837	32.1	530	952856	40.5
ANN	1104	1168607	12.1	534	1008730	21.6	516	1079017	23.9	539	1491458	31.5

METER:
DATA:
READING DATE -
DEMAND INTERVAL -
METER TYPE -
RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY DODGE
ACCOUNT NUMBER - 182306

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	425	31660	10.0	516	33898	8.8	133	32323	32.7	516	46413	12.1
Feb	491	29671	8.7	509	32157	9.4	131	30417	34.6	136	40363	44.2
Mar	492	32655	8.9	338	33235	13.2	135	35224	35.1	516	46827	12.2
Apr	512	37379	10.1	508	32406	8.9	133	36550	38.2	520	51551	13.8
May	130	40611	42.0	111	34229	41.4	502	75338	20.2	525	57187	14.6
Jun	503	82051	22.7	503	43098	11.9	520	140399	37.5	519	121088	32.4
Jul	514	89013	23.3	512	83875	22.0	514	200487	52.4	519	219715	56.9
Aug	517	76747	20.0	494	92908	25.3	492	166092	45.4	497	170567	46.1
Sep	509	46413	12.7	442	55778	17.5	499	103020	28.7	516	116529	31.4
Oct	103	35473	46.3	428	33318	10.5	508	45667	12.1	517	66055	17.2
Nov	130	31080	33.2	116	28925	34.6	127	39119	42.8	503	55032	15.2
Dec	514	34064	8.9	113	34229	40.7	130	42269	43.7	517	55364	14.4
WTR	514	65144	8.7	516	162444	8.7	135	139352	36.7	520	295550	13.0
SUM	517	158633	13.9	512	375612	14.3	520	767553	28.7	525	751141	32.4
ANN	517	566817	12.5	516	538056	11.9	520	946905	20.8	525	1046691	22.8

METER: READING DATE -
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OWNERSHIP -
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DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY RICHARDTON
ACCOUNT NUMBER - 182308

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	695	160762	31.1	703	160680	30.7	695	166860	32.3	692	177242	34.4
Feb	694	149556	31.0	698	144777	30.9	569	144777	37.9	702	164470	34.9
Mar	695	157466	30.5	715	170238	32.0	692	161010	31.3	695	196606	38.0
Apr	697	160927	32.1	697	163317	32.5	694	171392	34.3	706	174358	34.3
May	690	221821	43.2	719	209626	39.2	684	185730	36.5	697	189108	36.5
Jun	700	252309	50.1	695	239866	47.9	714	237559	46.2	682	241432	49.2
Jul	1452	348305	32.2	694	265740	51.5	700	304138	58.4	700	351189	67.4
Aug	687	326798	63.9	679	277523	54.9	681	320042	63.2	686	348964	68.4
Sep	681	238383	48.6	686	250331	50.7	692	211933	42.5	681	296552	60.5
Oct	684	177242	34.8	687	152028	29.7	682	230143	45.4	683	251899	49.6
Nov	690	155736	31.3	330	158455	66.7	690	191333	38.5	692	237057	47.6
Dec	689	163729	31.9	333	156395	63.1	335	175100	70.3	701	236063	45.3
WTR	697	948176	31.1	715	953862	30.7	695	1010472	33.5	706	1185796	225.8
SUM	1452	1564858	24.4	719	1395114	43.9	714	1489545	47.2	700	1679144	54.3
ANN	1452	2513034	19.7	719	2348976	37.3	714	2500017	40.0	706	2864940	46.3

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WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY RICHARDTON
ACCOUNT NUMBER - 182308

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	399	111817	37.7	319	117667	49.6	321	123765	51.8	689	151781	29.6
Feb	632	103080	23.4	321	103659	48.1	321	116184	53.9	323	134477	62.0
Mar	327	112311	46.2	321	113630	47.6	321	132829	55.6	323	147084	61.2
Apr	690	118656	23.9	321	126319	54.7	697	136949	27.3	323	152193	65.4
May	319	143788	60.6	321	138350	57.9	692	201633	39.2	687	181445	35.5
Jun	689	195535	39.4	686	144694	29.3	700	267223	53.0	679	237724	48.6
Jul	686	205094	40.2	692	210120	40.8	681	334709	66.1	679	341383	67.6
Aug	682	187707	37.0	674	214734	42.8	679	282550	55.9	679	284362	56.3
Sep	684	150710	30.6	678	182186	37.3	679	201386	41.2	679	217206	44.4
Oct	687	131758	25.8	695	136537	26.4	684	142305	28.0	678	171310	34.0
Nov	318	113630	49.6	319	119068	51.8	319	136949	59.6	681	152028	31.0
Dec	321	114289	47.9	319	126072	53.1	321	144282	60.4	700	161010	30.9
WTR	321	227919	48.5	321	580096	49.9	321	654009	56.2	700	898573	29.4
SUM	687	470175	31.0	695	1152940	32.3	700	1566755	43.6	687	1433430	47.2
ANN	690	1688295	27.9	695	1733036	28.5	700	2220764	36.2	700	2332003	38.0

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HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY SAKAKAWEA
ACCOUNT NUMBER - 182310

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	983	276215	37.8	1006	272833	36.5	966	286233	39.8	937	300511	43.1
Feb	969	254424	37.7	660	243089	54.8	652	245769	56.1	968	272086	41.8
Mar	1291	272833	28.4	1297	277314	28.7	648	271163	56.2	978	317998	43.7
Apr	979	273931	38.9	978	271382	38.5	1302	283992	30.3	979	286320	40.6
May	1624	363294	30.1	1287	331309	34.6	978	304773	41.9	981	306399	42.0
Jun	1292	392993	42.2	1280	368961	40.0	1289	364875	39.3	1270	368566	40.3
Jul	970	533144	73.9	1309	413642	42.5	1269	464123	49.2	1279	522336	54.9
Aug	1294	500413	52.0	958	422693	59.3	1277	495493	52.2	1303	531167	54.8
Sep	1289	367555	39.6	1305	378539	40.3	1278	340711	37.0	1290	458543	49.4
Oct	1283	301258	31.6	645	253589	52.8	980	355122	48.7	1282	401428	42.1
Nov	1294	263255	28.3	641	261234	56.6	974	316064	45.1	977	372607	53.0
Dec	1302	278807	28.8	988	271119	36.9	977	302356	41.6	1281	377440	39.6
WTR	1302	1619465	28.5	1297	1596971	28.3	1302	1705577	30.2	1281	1926962	202.2
SUM	1624	2458657	34.3	1309	2168733	37.5	1289	2325097	40.8	1303	2588439	45.0
ANN	1624	4078122	28.6	1309	3765704	32.8	1302	4030674	35.3	1303	4515401	39.6

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HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY SAKAKAWEA
ACCOUNT NUMBER - 182310

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	1719	212994	16.7	1279	220111	23.1	653	221869	45.7	978	275249	37.8
Feb	698	192609	39.6	758	195112	38.3	645	209919	48.6	643	248097	57.4
Mar	980	204778	28.1	966	211588	29.4	640	231578	48.6	651	264309	54.6
Apr	972	210402	30.1	982	223099	31.6	651	230832	49.2	654	268483	57.0
May	647	252227	52.4	651	237553	49.0	1285	321556	33.6	980	312286	42.8
Jun	1302	310133	33.1	973	247218	35.3	1280	406525	44.1	1282	372959	40.4
Jul	956	326345	45.9	963	356318	46.9	1279	506871	53.3	1277	521282	54.9
Aug	945	305476	43.4	1281	338530	37.0	1263	443386	47.2	1290	443254	46.2
Sep	945	254952	37.5	992	304861	42.7	1268	323094	35.4	1291	348576	37.5
Oct	629	226921	48.5	974	232940	32.1	960	248186	34.7	1285	288869	30.2
Nov	639	200868	42.7	992	212335	29.7	664	239355	50.1	976	262947	37.4
Dec	761	211851	37.4	666	230129	46.4	646	262860	54.7	974	278807	38.5
WTR	761	412719	37.0	1279	1069275	23.1	664	1165581	48.4	978	1597892	37.4
SUM	945	787349	37.7	1281	1934519	29.4	1285	2480450	37.6	1291	2287226	40.1
ANN	1719	2909556	19.3	1281	3003794	26.8	1285	3646031	32.4	1291	3885118	34.4

METER: READING DATE -
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NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY DICKINSON
ACCOUNT NUMBER - 182312

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	68	109773	217.0	104	118374	153.0	424	137626	43.6	9	137216	2049.2
Feb	314	105267	48.2	384	116736	45.2	196	111411	84.6	309	129434	62.3
Mar	138	116326	113.3	179	131891	99.0	210	125747	80.5	427	147866	46.5
Apr	80	123290	214.0	10	136397	1894.4	348	144998	57.9	259	135578	72.7
May	382	149914	52.7	331	169984	69.0	103	143770	187.6	294	145408	66.5
Jun	507	180634	49.5	382	182682	66.4	324	180634	77.4	484	180634	51.8
Jul	395	236749	80.6	454	187597	55.5	487	196608	54.3	520	222003	57.4
Aug	421	207667	66.3	579	183501	42.6	441	202752	61.8	513	202342	53.0
Sep	354	157696	61.9	311	161792	72.3	193	135578	97.6	424	183734	60.2
Oct	416	131072	42.3	136	121651	120.2	453	177357	52.6	417	158106	51.0
Nov	67	113459	235.2	135	117146	120.5	287	143770	69.6	352	142950	56.4
Dec	81	122470	203.2	174	117555	90.8	384	135168	47.3	423	148275	47.1
WTR	314	690585	50.4	384	738099	44.2	424	798720	43.4	427	841319	264.8
SUM	507	1063732	47.5	579	1007207	39.4	487	1036699	48.2	520	1092227	47.6
ANN	507	1754317	39.4	579	1745306	34.4	487	1835419	43.0	520	1933546	42.4

METER: READING DATE -
DATA: DEMAND INTERVAL -
METER TYPE -
RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY DICKINSON
ACCOUNT NUMBER - 182312

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	354	88474	33.6	43	90112	281.7	292	92570	42.6	102	115507	152.2
Feb	326	73318	32.3	252	75776	44.7	232	88474	56.7	343	101581	44.1
Mar	318	77005	32.5	132	83149	84.7	340	101581	40.2	157	111821	95.7
Apr	352	88474	34.9	8	88064	1528.9	230	108544	65.5	375	121651	45.1
May	195	106086	73.1	344	104448	40.8	287	157696	73.9	80	138445	232.6
Jun	152	151142	138.1	101	122061	167.9	335	191283	79.3	418	170803	56.8
Jul	269	142541	71.2	396	148685	50.5	486	229786	63.5	418	215450	69.3
Aug	357	131891	49.7	182	144179	106.5	485	188416	52.2	579	183910	42.7
Sep	230	110182	66.5	78	139264	248.0	420	141722	46.9	489	137626	39.1
Oct	288	101990	47.6	102	116326	153.3	10	116736	1569.0	99	124109	168.5
Nov	231	86016	51.7	253	100762	55.3	369	116736	43.9	137	111002	112.5
Dec	134	83968	84.2	347	99942	38.7	424	116326	36.9	311	118784	51.3
WTR	231	169984	50.3	347	449741	35.8	424	515687	33.6	375	680346	41.5
SUM	357	344063	43.6	396	863027	42.4	486	1134183	45.4	579	970343	38.0
ANN	357	1241087	39.6	396	1312768	37.8	486	1649870	38.8	579	1650689	32.5

METER: READING DATE -
DATA: DEMAND INTERVAL -
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RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY BUCYRUS
ACCOUNT NUMBER - 182314

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	44	18591	56.8	60	23740	53.2	0	17000	0.0	59	30766	70.1
Feb	3	17718	848.6	60	23478	58.2	60	22736	56.4	60	27886	69.2
Mar	2	20729	1,393.1	60	24788	55.5	90	42546	63.5	60	31726	71.1
Apr	60	20860	48.3	59	28802	67.8	60	27537	63.7	60	23347	54.0
May	0	23304	0.0	60	30810	69.0	61	26751	58.9	60	23129	51.8
Jun	59	27450	64.6	60	28369	65.7	61	31377	71.4	60	28933	67.0
Jul	59	45604	103.9	55	30880	75.5	61	31857	70.2	60	32512	72.8
Aug	59	34340	78.2	54	28920	72.0	119	33646	38.0	61	30897	68.1
Sep	60	27057	62.6	54	27040	69.5	60	23478	54.3	60	33472	77.5
Oct	119	23173	26.2	55	20240	49.5	61	28541	62.9	60	25660	57.5
Nov	59	19333	45.5	54	19800	50.9	59	24177	56.9	60	21689	50.2
Dec	3	21209	950.2	31	20320	88.1	3	30155	1351.0	2	24526	1648.3
WTR	60	118440	45.2	60	140928	54.1	90	164151	42.0	60	159940	358.3
SUM	119	180928	34.4	60	166259	62.7	119	175650	33.4	61	174603	64.2
ANN	119	299368	28.6	60	307187	58.4	119	339801	32.6	61	334543	62.6

METER: READING DATE -
DATA: DEMAND INTERVAL -
METER TYPE -
RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY BUCYRUS
ACCOUNT NUMBER - 182314

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	63	9426	20.1	1	9732	1308.1	120	16190	18.1	59	19594	44.6
Feb	62	8356	19.3	60	8990	22.3	60	15841	39.3	59	17500	44.1
Mar	62	9208	20.0	1	10037	1349.1	59	17412	39.7	59	19202	43.7
Apr	62	9819	22.6	1	10386	1442.5	60	17456	40.4	0	19202	0.0
May	59	11914	27.1	60	12350	27.7	59	24351	55.5	60	22082	49.5
Jun	36	15798	60.9	1	12787	1776.0	59	29239	68.8	60	25835	59.8
Jul	60	15099	33.8	60	17718	39.7	118	43247	49.3	59	40105	91.4
Aug	0	14401	0.0	60	15143	33.9	118	33777	38.5	60	29108	65.2
Sep	33	12394	52.2	0	18503	0.0	59	25355	59.7	60	24395	56.5
Oct	0	13005	0.0	58	15929	36.9	58	20205	46.8	59	21253	48.4
Nov	60	10561	24.4	58	14619	35.0	59	19245	45.3	59	17892	42.1
Dec	2	9863	662.8	59	14969	34.1	59	19943	45.4	3	19027	852.5
WTR	60	20424	23.3	60	58347	26.8	120	88631	20.4	59	112417	43.6
SUM	33	39800	54.6	60	102816	33.4	118	193630	31.9	60	162778	61.4
ANN	63	139823	25.3	60	161163	30.7	120	282261	26.9	60	275195	52.4

METER: READING DATE -
DATA: DEMAND INTERVAL -
METER TYPE -
RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY JUNG LAKE
ACCOUNT NUMBER - 182315

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	211	47655	30.4	216	55234	34.4	256	58400	30.7	5	67866	1824.4
Feb	194	44744	33.1	216	53143	36.6	7	55060	1170.5	194	58196	44.6
Mar	7	51749	993.6	195	57325	39.5	360	112146	41.9	210	65514	41.9
Apr	211	51314	33.8	211	61328	31.9	215	68651	44.3	213	55495	36.2
May	8	62465	1,049.5	194	67680	46.9	216	69260	43.1	195	59154	40.8
Jun	194	70306	50.3	198	70000	49.1	216	83548	53.7	196	74749	53.0
Jul	9	92173	1,376.5	194	69760	48.3	216	81893	51.0	218	84419	52.0
Aug	212	82764	52.5	180	68640	51.3	232	85029	49.3	195	75882	52.3
Sep	194	67605	48.4	196	64080	45.4	213	63772	41.6	236	82154	48.3
Oct	212	57325	36.3	178	51520	38.9	210	103063	66.0	237	66647	37.8
Nov	180	49484	38.2	196	50640	35.9	253	80238	44.0	234	57151	33.9
Dec	211	51662	32.9	5	50640	1361.3	194	73181	50.7	235	61507	35.2
WTR	211	296608	32.2	216	328310	33.5	360	447676	28.6	235	365729	209.2
SUM	212	432638	46.2	198	391680	44.8	232	486565	47.5	237	443005	42.3
ANN	212	729246	39.2	216	719990	37.2	360	934241	29.6	237	808734	39.0

METER: READING DATE -
DATA: DEMAND INTERVAL -
METER TYPE -
RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY JUNG LAKE
ACCOUNT NUMBER - 182315

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	197	32147	21.9	7	30840	592.2	162	40249	33.4	164	45912	37.6
Feb	200	29534	21.2	182	28227	23.1	185	38071	30.6	164	40075	36.4
Mar	242	32583	18.1	7	32581	625.6	163	41034	33.8	163	44780	36.9
Apr	197	35458	25.0	8	35632	618.6	162	44518	38.2	163	48003	40.9
May	196	43212	29.6	163	42253	34.8	233	68563	39.6	185	56715	41.2
Jun	196	49833	35.3	8	41992	729.0	213	82677	53.9	186	63336	47.3
Jul	158	48961	41.7	188	51139	36.6	232	102627	59.5	166	81719	66.2
Aug	197	47829	32.6	186	48090	34.8	215	83548	52.2	217	71700	44.4
Sep	162	39727	34.1	166	49571	41.5	234	65601	38.9	217	61681	39.5
Oct	7	38333	736.0	183	42950	31.5	234	53492	30.7	211	57412	36.6
Nov	162	32409	27.8	7	38507	764.0	183	46261	35.1	213	49658	32.4
Dec	8	31712	532.8	185	38768	28.2	185	47132	34.2	139	50268	48.6
WTR	162	64121	27.0	185	168923	25.2	185	212747	31.7	213	278696	30.0
SUM	197	125889	28.9	188	311627	32.3	234	501026	41.7	217	392563	41.0
ANN	242	461738	21.7	188	480550	29.2	234	713773	34.8	217	671259	35.3

METER: READING DATE -
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OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER DICKINSON WATERPLANT
ACCOUNT NUMBER - 182316

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	12	30867	345.7	41	34210	112.1	75	34800	62.4	15	36372	325.9
Feb	34	29491	124.6	39	31654	120.8	73	29884	60.9	38	34210	134.0
Mar	13	30278	313.0	23	34210	199.9	37	32244	117.1	69	37945	73.9
Apr	19	29884	218.5	13	32637	348.7	39	32440	115.5	39	34210	121.8
May	86	36372	56.8	34	36176	143.0	38	34603	122.4	37	35979	130.7
Jun	40	37356	129.7	36	37945	146.4	37	36766	138.0	88	37749	59.6
Jul	119	46006	52.0	73	39715	73.1	54	39715	98.9	67	44433	89.1
Aug	89	42467	64.1	78	39125	67.4	85	42074	66.5	58	43844	101.6
Sep	36	35193	135.8	41	36176	122.5	13	31654	338.2	87	39911	63.7
Oct	57	31457	74.2	29	29884	138.5	83	35979	58.3	97	37356	51.8
Nov	81	30671	52.6	74	30081	56.5	32	33423	145.1	61	35783	81.5
Dec	35	32440	124.6	40	32244	108.3	70	35193	67.6	37	37159	135.0
WTR	81	183631	51.9	74	195036	60.7	75	197984	60.8	69	215679	420.1
SUM	119	228851	43.5	78	219021	63.6	85	220791	58.8	97	239272	55.9
ANN	119	412482	39.5	78	414057	60.6	85	418775	56.2	97	454951	53.5

METER: READING DATE -
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METER TYPE -
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NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER DICKINSON WATERPLANT
ACCOUNT NUMBER - 182316

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	100	25756	34.6	45	26935	80.5	53	27918	70.8	33	32244	131.3
Feb	94	23396	35.8	31	23986	115.1	34	26542	116.2	41	27918	101.3
Mar	95	24969	35.3	87	25362	39.2	53	28901	73.3	88	30081	45.9
Apr	91	23986	36.6	12	25559	295.8	56	28115	69.7	67	29688	61.5
May	34	26542	104.9	39	27525	94.9	68	33227	65.7	33	31457	128.1
Jun	22	33423	211.0	25	28901	160.6	11	39911	503.9	40	34996	121.5
Jul	39	30671	105.7	37	34603	125.7	60	45023	100.9	90	43647	65.2
Aug	70	29688	57.0	27	34210	170.3	50	40501	108.9	68	38928	76.9
Sep	35	26739	106.1	79	31850	56.0	37	34210	128.4	90	31457	48.5
Oct	72	26345	49.2	38	28508	100.8	11	30671	374.8	34	30278	119.7
Nov	36	24969	96.3	38	25952	94.9	53	30474	79.9	20	28705	199.3
Dec	35	26935	103.4	78	28901	49.8	65	31654	65.5	33	30671	124.9
WTR	36	51904	98.5	87	131136	41.6	65	145489	61.8	88	179307	46.6
SUM	72	82772	52.1	79	211156	52.0	68	251658	72.1	90	210763	53.0
ANN	100	323419	36.8	87	342292	44.9	68	397147	66.7	90	390070	49.5

METER: READING DATE -
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NOTE -
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SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - BURT PUMP STATION
ACCOUNT NUMBER - 182317

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	44	9477	28.9	44	7405	22.6	1	5120	688.2	1	7141	959.8
Feb	2	7802	560.5	45	6744	22.3	4	6392	237.8	43	6700	23.2
Mar	1	8640	1,161.3	2	8331	559.9	21	13865	88.7	32	6788	28.5
Apr	44	7538	23.8	3	7978	369.4	43	8199	26.5	0	7229	0.0
May	1	9036	1,214.5	44	9301	28.4	0	7890	0.0	1	7670	1030.9
Jun	1	9080	1,261.1	44	8458	26.7	45	10227	31.6	1	8684	1206.1
Jul	41	12915	42.3	42	8240	26.4	1	9301	1250.1	44	9742	29.8
Aug	41	6876	22.5	1	8160	1096.8	1	9297	1249.6	44	8596	26.3
Sep	45	8772	27.1	40	7480	26.0	1	7220	1002.8	44	8111	25.6
Oct	44	7450	22.8	40	6360	21.4	1	7123	957.4	1	7053	948.0
Nov	1	6568	912.2	0	6360	0.0	1	6965	967.4	46	6788	20.5
Dec	1	7405	995.3	39	6920	23.8	42	7626	24.4	45	7361	22.0
WTR	44	47430	24.7	45	43738	22.4	43	48167	25.8	46	42007	122.7
SUM	45	54129	27.2	44	47999	24.7	45	51058	25.7	44	49856	25.7
ANN	45	101559	25.7	45	91737	23.3	45	99225	25.2	46	91863	22.8

METER:
DATA: READING DATE -
DEMAND INTERVAL -
METER TYPE -
RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - BURT PUMP STATION
ACCOUNT NUMBER - 182317

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	47	7317	20.9	0	7185	0.0	0	7802	0.0	2	7802	524.3
Feb	46	6259	19.5	1	6612	983.9	44	7229	24.4	46	7097	23.0
Mar	47	6700	19.2	1	7538	1013.2	0	7141	0.0	1	7626	1025.0
Apr	47	7097	21.0	0	7890	0.0	1	8728	1212.2	0	8463	0.0
May	45	9213	27.5	45	9786	29.2	45	11373	34.0	44	9345	28.5
Jun	1	9433	1,310.1	1	9345	1297.9	44	13400	42.3	45	10138	31.3
Jul	45	10579	31.6	44	11196	34.2	47	14767	42.2	46	12827	37.5
Aug	45	10403	31.1	45	11108	33.2	46	11769	34.4	45	11196	33.4
Sep	1	8684	1,206.1	1	10271	1426.5	46	9169	27.7	45	9169	28.3
Oct	1	7758	1,042.7	0	7097	0.0	1	7582	1019.1	1	8992	1208.6
Nov	44	6524	20.6	45	7097	21.9	46	7185	21.7	0	7758	0.0
Dec	3	7626	341.7	0	7273	0.0	0	7670	0.0	0	7494	0.0
WTR	44	14150	22.0	45	35705	21.9	46	37027	22.2	46	46240	23.0
SUM	45	26845	27.0	45	66693	28.9	47	76788	31.8	46	61667	30.4
ANN	47	97593	23.6	45	102398	26.0	47	113815	27.6	46	107907	26.8

METER: READING DATE -
DATA: DEMAND INTERVAL -
METER TYPE -
RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY - SCRANTON
ACCOUNT NUMBER - 182318

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	2	5150	346.1	2	5237	351.9	1	1680	225.8	1	3055	410.6
Feb	16	4713	42.3	5	4408	131.2	10	3142	46.8	10	2880	42.9
Mar	2	4975	334.3	5	4669	125.5	4	6887	231.4	9	3098	46.3
Apr	20	5368	37.3	7	3748	74.4	9	3098	47.8	1	2837	394.0
May	16	6808	57.2	8	3320	55.8	0	2968	0.0	10	3186	42.8
Jun	19	7506	54.9	0	3680	0.0	1	4102	569.7	10	3928	54.6
Jul	1	9339	1,255.2	0	3160	0.0	12	3797	42.5	9	4713	70.4
Aug	20	9252	62.2	0	3760	0.0	11	3928	48.0	9	3797	56.7
Sep	19	7157	52.3	0	3160	0.0	0	3011	0.0	9	3666	56.6
Oct	1	5455	733.2	9	2600	38.8	10	3360	45.2	10	3098	41.6
Nov	24	6415	37.1	11	2600	32.8	4	3098	107.6	1	3273	454.6
Dec	20	5280	35.5	8	2880	48.4	1	3273	439.9	2	3622	243.4
WTR	24	31901	30.4	11	23542	49.3	10	21178	48.8	10	18765	252.2
SUM	20	45517	51.5	9	19680	49.5	12	21166	39.9	10	22388	50.7
ANN	24	77418	36.7	11	43222	44.9	12	42344	40.3	10	41153	47.0

METER: READING DATE -
DATA: DEMAND INTERVAL -
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RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY - SCRANTON
ACCOUNT NUMBER - 182318

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	22	3928	24.0	2	4495	302.1	22	4582	28.0	24	5499	30.8
Feb	22	3448	22.5	2	4015	298.7	20	4800	35.7	21	5804	41.1
Mar	22	3666	22.4	2	4451	299.1	19	5062	35.8	4	6677	224.4
Apr	23	4277	25.8	22	5150	32.5	19	5237	38.3	2	6371	442.4
May	17	5368	42.4	20	5455	36.7	19	7113	50.3	19	6721	47.5
Jun	21	5804	38.4	1	5280	733.3	25	8073	44.9	20	6982	48.5
Jul	24	5455	30.6	1	5891	791.8	23	8903	52.0	26	8553	44.2
Aug	1	5280	709.7	17	5499	43.5	27	7899	39.3	25	7332	39.4
Sep	16	4495	39.0	16	5673	49.2	20	5979	41.5	25	6066	33.7
Oct	1	4277	742.5	2	4800	329.6	24	5062	28.3	19	5717	40.4
Nov	1	3491	484.9	1	4582	636.4	2	5368	372.8	1	4495	624.3
Dec	1	3840	516.1	2	4800	322.6	20	5411	36.4	20	5542	37.2
WTR	1	7331	500.8	2	22343	308.3	22	25223	31.6	24	34388	32.8
SUM	16	14052	43.1	22	37748	33.4	27	48266	34.8	26	41371	36.0
ANN	24	53329	25.8	22	60091	31.2	27	73489	31.1	26	75759	33.3

METER: READING DATE -
DATA: DEMAND INTERVAL -
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NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY FRYBURG
ACCOUNT NUMBER - 182319

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	3	12120	543.0	31	12920	56.0	76	17560	31.1	36	17440	65.1
Feb	57	11840	29.8	3	11880	589.3	3	15440	765.9	73	19760	40.3
Mar	3	12480	559.1	3	14440	647.0	63	16600	35.4	3	21000	940.9
Apr	53	13080	34.3	3	13950	645.8	2	16520	1147.2	0	18240	0.0
May	1	16200	2,177.4	1	18720	2516.1	3	16160	724.0	67	22600	45.3
Jun	62	21400	47.9	60	22320	51.7	60	20120	46.6	70	23920	47.5
Jul	1	30440	4,091.4	64	24520	51.5	65	26040	53.8	67	33320	66.8
Aug	63	26600	56.8	65	24160	50.0	69	28720	55.9	70	32160	61.8
Sep	65	16760	35.8	63	19080	42.1	68	17520	35.8	70	26940	53.5
Oct	61	13920	30.7	64	12600	26.5	70	15320	29.4	67	24480	49.1
Nov	61	13320	30.3	1	13720	1905.6	68	14560	29.7	61	23280	53.0
Dec	2	13800	927.4	3	14440	647.0	2	17160	1153.2	1	22680	3048.4
WTR	61	76640	28.8	31	81350	60.4	76	97840	29.6	73	122400	225.4
SUM	65	125320	43.7	65	121400	42.3	70	123880	40.1	70	163420	52.9
ANN	65	201960	35.4	65	202750	35.6	76	221720	33.3	73	285820	44.7

METER: READING DATE -
DATA: DEMAND INTERVAL -
METER TYPE -
RECORDER TYPE -

NOTE -
OWNERSHIP -
SOURCES OTHER THAN WESTERN -
DATE WESTERN SERVICE INITIATED -

WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY FRYBURG
ACCOUNT NUMBER - 182319

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	0	0	0.0	41	10720	35.1	2	8320	559.1	3	13120	587.8
Feb	0	0	0.0	3	9000	446.4	39	7440	28.4	73	11920	24.3
Mar	0	0	0.0	3	8240	369.2	2	9400	631.7	74	13160	23.9
Apr	0	0	0.0	23	7360	44.4	1	9240	1283.3	3	13240	613.0
May	0	0	0.0	38	9560	33.8	2	13760	924.7	59	14720	33.5
Jun	0	0	0.0	28	11080	55.0	37	16880	63.4	64	20720	45.0
Jul	0	0	0.0	41	15360	50.4	1	26633	3579.7	62	24560	53.2
Aug	0	2280	0.0	38	15200	53.8	0	22914	0.0	60	23000	51.5
Sep	0	1800	0.0	40	11840	41.1	70	14320	28.4	1	15280	2122.2
Oct	24	8520	47.7	41	7960	26.1	75	12600	22.6	1	12880	1731.2
Nov	1	8120	1,127.8	40	7720	26.8	72	12480	24.1	1	11800	1638.9
Dec	2	8960	602.2	2	7720	518.8	74	13160	23.9	60	11880	26.6
WTR	2	17080	583.3	41	43400	29.2	74	50800	18.9	74	75120	23.2
SUM	24	12600	23.8	41	78360	37.2	75	116347	30.2	64	111160	39.3
ANN	24	29680	33.7	41	121760	33.9	75	167147	25.4	74	186280	28.7

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DATE WESTERN SERVICE INITIATED -

WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY BEACH
ACCOUNT NUMBER - 182320

SEASON - JFMAMJJASOND
6MON

	2008			2009			2010			2011		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	52	9336	24.1	3	10393	465.6	25	8760	47.1	51	10261	27.0
Feb	51	9292	26.2	3	9601	476.2	2	8500	632.4	51	11318	33.0
Mar	51	9425	24.8	2	11450	769.5	68	19635	38.8	2	13256	890.9
Apr	50	9513	26.4	2	10437	724.8	1	10570	1468.1	1	10261	1425.1
May	1	11538	1,550.8	1	13041	1752.8	1	9777	1314.1	48	12772	35.8
Jun	2	13785	957.3	48	13880	40.2	51	11891	32.4	2	12463	865.5
Jul	2	21844	1,468.0	46	16080	47.0	51	15018	39.6	50	20038	53.9
Aug	53	18673	47.4	2	14800	994.6	51	17088	45.0	50	21756	58.5
Sep	52	12419	33.2	46	11960	36.1	2	10041	697.3	50	16603	46.1
Oct	1	10173	1,367.3	2	7760	521.5	48	9469	26.5	48	14269	40.0
Nov	52	9292	24.8	1	9200	1277.8	51	8984	24.5	47	12067	35.7
Dec	1	10041	1,349.6	2	8240	553.8	2	10834	728.1	2	12331	828.7
WTR	52	56899	25.1	3	59321	455.2	68	67283	22.8	51	69494	183.1
SUM	53	88432	37.8	48	77521	36.6	51	73284	32.5	50	97901	44.3
ANN	53	145331	31.2	48	136842	32.5	68	140567	23.6	51	167395	37.5

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WESTERN AREA POWER ADMINISTRATION
HISTORICAL DATA
TOTAL REQUIREMENTS

NAME - 1275 SOUTHWEST WATER AUTHORITY
POINT OF DELIVERY - SW WATER AUTHORITY BEACH
ACCOUNT NUMBER - 182320

SEASON - JFMAMJJASOND
6MON

	2004			2005			2006			2007		
	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR	PEAK DEMAND KW	ENERGY USE KWH	LOAD FACTOR
Jan	0	0	0.0	2	9116	612.6	1	6033	810.9	43	8852	27.7
Feb	0	0	0.0	2	8235	612.7	39	6386	24.4	52	8059	23.1
Mar	0	0	0.0	2	7002	470.6	2	8500	571.2	50	8764	23.6
Apr	0	0	0.0	39	6518	23.2	2	7663	532.2	1	8632	1198.9
May	0	0	0.0	1	7399	994.5	1	10746	1444.4	52	10746	27.8
Jun	0	0	0.0	39	8535	30.4	2	11803	819.7	52	12772	34.1
Jul	0	0	0.0	25	10746	57.8	1	15150	2036.3	52	16471	42.6
Aug	0	1057	0.0	2	8544	574.2	1	14313	1923.8	2	16075	1080.3
Sep	0	1585	0.0	37	8280	31.1	52	10834	28.9	2	10570	734.0
Oct	19	7223	51.1	37	5857	21.3	52	8940	23.1	1	9513	1278.6
Nov	1	7399	1,027.6	1	5769	801.3	52	9425	25.2	1	8808	1223.3
Dec	1	7795	1,047.7	2	6474	435.1	50	9513	25.6	1	9160	1231.2
WTR	1	15194	1,037.8	2	36596	504.9	52	39857	21.2	52	52275	23.0
SUM	19	9865	23.5	39	55879	27.9	52	79449	29.7	52	76147	33.2
ANN	19	25059	35.9	39	92475	27.1	52	119306	26.2	52	128422	28.2

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ATTACHMENT B

Projected Energy Requirements

2012 - 2017

SOUTHWEST PIPELINE PROJECT
ANTICIPATED LARGE ELECTRICAL INSTALLATIONS FOR 2012 - 2017

BOOSTER STATIONS/WTP	LOCATION	INSTALLATION SCHEDULE (ESTIMATED)			ESTIMATED POWER REQUIREMENTS
		Installation	First Full Year Use		(HP)
OMND WTP (Phase 1)		2011	2013		610
Center Booster		2011	2013		150
OMND WTP (Phase 2)		2015	2016		350
Kildeer Mtn. Booster		2015	2016		40
MTL Pump Station Capacity Upgrades, Increased Capacities Future Need				**Additional HP Needed for Future Capacity**	**Total HP**
Supplementary Intake		2013	2014	600	350
Intake Pump Station		2013	2014	1500	2600
Dodge Pump Station		2014	2015	600	2200
Richardton Pump station		2014	2015	900	2400