

From: ArrowsmithJ@lac.losalamos.nm.us [mailto:ArrowsmithJ@lac.losalamos.nm.us]
Sent: Wednesday, October 18, 2006 6:01 PM
To: Folk, Kevin T.
Subject: RE: Data Needs for Los Alamos County Water, Natural Gas, and Electric Power and Peak Load Use for FY/CY 2005-2006

Kevin, attached are the two retail consumption reports that you requested. Regarding water production, I have separate reports for each month. Did I send those individual reports to you last time or did I summarize them? The retail consumption on the attached reports show services that were billed for during each respective month. If a customer is billed on the first day of each month, the actual use will have occurred during the previous month. As a result, the production reports will not really match the consumption report on a month to month basis.

John Arrowsmith
662-8272

-----Original Message-----

From: KEVIN.T.FOLK@saic.com [mailto:KEVIN.T.FOLK@saic.com]
Sent: Wednesday, October 18, 2006 2:09 PM
To: Glasco, Timothy; Arrowsmith, John
Subject: Data Needs for Los Alamos County Water, Natural Gas, and Electric Power and Peak Load Use for FY/CY 2005-2006

Gentlemen:

As you are probably aware, the public comment period on the *Site-Wide EIS for Continued Operation of LANL* (the SWEIS as we call it) recently closed and we are currently revising the SWEIS to produce a final document. Since both of you were extremely helpful for the draft, I thought I would direct my questions at both of you. To that end, I am in need of county water, natural gas, and electric power/peak load usage data for FY/CY 2005-2006 and any available data to date. This data will be compared to data compiled by LANL and presented in the final EIS.

Previously, you sent me a spreadsheet with DOE water sales for the period 2001-2005 (CY basis), so I am probably in need of the latest version.

You also sent me FY Consumption Report spreadsheets for numerous fiscal years through FY05 that included electric, gas, and water sales to county customers other than LANL. Could you provide the latest county (FY06) Consumption Report? The data you provided last time and time spent to respond to numerous questions was very much appreciated.

I have one question. In comparing the water data between the DOE water sales spreadsheet to the water sales information in the Consumption Reports, I would have expected the monthly totals in each spreadsheet equating to total county use/sales to be similar. However, I note that this is not the case. Is there some consideration I am missing in terms of sales to retail customers versus total county usage?

Again, I would greatly appreciate your help in collecting the above and would be happy to discuss with you if needed. Of course, please contact me with any immediate questions or if you need clarification. Thank you.

Kevin Folk

Kevin T. Folk, Senior Analyst

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FY06 Consumption Report

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	
Electric Revenues:													
Residential	\$403,264.30	\$400,102.09	\$379,359.37	\$399,996.90	\$357,558.26	\$460,482.45	\$513,940.38	\$424,042.45	\$441,700.06	\$384,874.09	\$379,858.01	\$433,578.65	\$4,978,757.01
Private Area Lights	\$765.86	\$749.76	\$715.26	\$798.52	\$784.06	\$796.11	\$776.03	\$769.60	\$764.22	\$784.06	\$769.60	\$905.56	\$9,378.64
Commercial	\$337,081.94	\$320,784.13	\$300,097.23	\$274,739.90	\$251,005.96	\$258,588.72	\$281,406.35	\$254,104.49	\$263,327.28	\$256,864.01	\$262,120.80	\$289,600.75	\$3,349,721.56
Municipal	\$77,566.58	\$492.18	\$65,685.83	\$48,354.67	\$43,626.53	\$38,877.45	\$41,197.59	\$71,147.56	\$4,108.12	\$45,979.47	\$35,344.56	\$57,101.17	\$529,481.71
Water Prod. Offline	\$87,563.44	\$76,665.31	\$51,890.56	\$68,662.10	\$31,014.61	\$42,557.05	\$35,834.10	\$33,240.07	\$35,149.06	\$90,649.10	\$66,518.05	\$57,206.61	\$676,950.06
Educational	\$23,370.95	\$29,728.20	\$27,222.15	\$29,936.44	\$18,615.18	\$31,111.61	\$26,924.47	\$30,111.90	\$27,171.44	\$29,636.76	\$24,937.13	\$20,791.77	\$319,558.00
Wholesale Sales								\$0.00					\$0.00
Pole Rentals				\$15,244.75				\$0.00					\$15,244.75
Misc/Backcharges	\$5,797.00	\$5,348.00	\$13,167.00	\$10,132.49	\$6,856.00	\$9,854.45	\$6,853.00	\$4,230.00	\$5,810.00	\$8,406.00	\$21,873.00	\$10,463.00	\$108,789.94
TOTAL	\$935,410.07	\$833,869.67	\$838,137.40	\$847,865.77	\$709,460.60	\$842,267.84	\$906,931.92	\$817,646.07	\$778,030.18	\$817,193.49	\$791,421.15	\$869,647.51	\$9,987,881.67
Electric Kwh Sales:													
Residential	4,431,035	4,343,197	4,282,556	4,215,529	3,877,109	5,135,798	5,706,880	4,702,119	4,886,742	4,249,917	4,158,136	4,744,788	54,733,806
Private Area Lights	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	37,416
Commercial	4,354,546	4,090,124	3,688,743	3,639,750	3,054,027	3,325,438	3,564,141	3,389,679	3,491,924	3,402,538	3,683,613	3,785,851	43,470,374
Municipal	1,125,936	10,296	888,993	639,686	577,864	536,465	548,385	1,047,386	30,806	605,968	571,523	663,968	7,247,276
Water Production	1,621,241	1,167,065	1,022,680	703,478	622,152	708,642	653,192	594,060	647,035	1,014,342	1,384,854	1,239,574	11,378,315
Educational	274,802	327,303	331,356	357,200	342,370	415,578	390,125	404,830	369,485	408,545	317,390	260,515	4,199,499
TOTAL	11,810,678	9,941,103	10,217,446	9,558,761	8,476,640	10,125,039	10,865,841	10,141,192	9,429,110	9,684,428	10,118,634	10,697,814	121,066,686
Billed Locations:													
Residential	7,926	7,918	7,920	7,958	7,597	7,937	7,876	7,484	7,873	7,523	7,894	8,012	7,827
Private Area Lights													0
Commercial	779	783	746	782	772	768	778	765	761	774	771	784	772
Municipal	144	9	148	147	147	150	151	149	9	153	148	150	125
Water Prod. Offline													
Educational	44	44	42	44	44	44	44	43	43	44	43	44	44
TOTAL	8,893	8,754	8,856	8,931	8,560	8,899	8,849	8,441	8,686	8,494	8,856	8,990	8,767
Revenue Per Kwh:													
Residential	\$0.0910	\$0.0921	\$0.0886	\$0.0949	\$0.0922	\$0.0897	\$0.0901	\$0.0902	\$0.0904	\$0.0906	\$0.0914	\$0.0914	\$0.0910
Private Area Lights	\$0.2456	\$0.2405	\$0.2294	\$0.2561	\$0.2515	\$0.2553	\$0.2489	\$0.2468	\$0.2451	\$0.2515	\$0.2468	\$0.2904	\$0.2507
Commercial	\$0.0774	\$0.0784	\$0.0814	\$0.0755	\$0.0822	\$0.0778	\$0.0790	\$0.0750	\$0.0754	\$0.0755	\$0.0712	\$0.0765	\$0.0771
Municipal	\$0.0689	\$0.0478	\$0.0739	\$0.0756	\$0.0755	\$0.0725	\$0.0751	\$0.0679	\$0.1334	\$0.0759	\$0.0618	\$0.0860	\$0.0731
Water Production	\$0.0540	\$0.0657	\$0.0507	\$0.0976	\$0.0499	\$0.0601	\$0.0549	\$0.0560	\$0.0543	\$0.0894	\$0.0480	\$0.0462	\$0.0595
Educational	\$0.0850	\$0.0908	\$0.0822	\$0.0838	\$0.0544	\$0.0749	\$0.0690	\$0.0744	\$0.0735	\$0.0725	\$0.0786	\$0.0798	\$0.0761
AVERAGE	\$0.0792	\$0.0839	\$0.0820	\$0.0887	\$0.0837	\$0.0832	\$0.0835	\$0.0806	\$0.0825	\$0.0844	\$0.0782	\$0.0813	\$0.0825
Loss Calculation													
Power Rec'd, kwh	12,132,693	11,003,753	10,126,168	9,756,918	10,062,627	11,399,531	11,123,014	9,778,019	10,450,069	9,655,980	10,425,747	10,544,824	126,459,344
Mo. Losses, kwh	322,015	1,062,650	-91,278	198,158	1,585,987	1,274,492	257,173	-363,173	1,020,959	-28,448	307,114	-152,990	5,392,658
% Mo. Losses	2.65%	9.66%	-0.90%	2.03%	15.76%	11.18%	2.31%	-3.71%	9.77%	-0.29%	2.95%	-1.45%	4.26%
*CUMM LOSSES	2.65%	5.98%	3.89%	3.47%	5.80%	6.75%	6.10%	4.97%	5.50%	4.97%	4.78%	4.26%	4.26%

FY06 Consumption Report

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	
Gas Revenues:													
Residential	\$152,349.16	\$158,428.33	\$168,626.81	\$266,921.57	\$462,982.01	\$983,329.84	\$1,112,660.61	\$940,694.85	\$882,057.82	\$601,573.35	\$342,837.18	\$220,500.45	\$6,292,961.98
Commercial	\$69,872.44	\$60,148.79	\$65,359.50	\$70,313.67	\$119,864.08	\$252,102.56	\$289,449.39	\$282,104.57	\$243,319.54	\$208,139.01	\$116,388.49	\$83,310.87	\$1,860,372.91
TA-3 Sales										\$19,441.44	\$10,791.58		\$30,233.02
Municipal	\$21,594.35	\$17.49	\$8,115.45	\$9,247.14	\$17,810.01	\$33,983.03	\$60,267.69	\$101,861.20	\$6,632.62	\$53,009.04	\$43,419.31	\$22,284.05	\$378,241.38
Water Production	\$13.99	\$11.16	\$15.42	\$56.29	\$568.96	\$473.57	\$483.25	\$381.10	\$1,296.35	\$1,045.47	\$911.48	\$7,113.61	\$12,370.65
Educational	\$2,779.55	\$2,996.60	\$2,334.69	\$6,589.99	\$27,679.71	\$60,568.34	\$64,003.96	\$60,162.14	\$50,505.62	\$31,649.05	\$17,902.34	\$1,593.68	\$328,765.67
Misc/Backcharges	\$2,350.27	(\$3,799.10)	\$4,648.55	\$1,689.00	\$3,975.78	\$4,147.28	\$2,667.75	\$1,029.00	\$1,410.88	\$4,062.35	\$9,259.80	\$3,927.27	\$35,368.83
TOTAL	\$248,959.76	\$217,803.27	\$249,100.42	\$354,817.66	\$632,880.55	\$1,334,604.62	\$1,529,532.65	\$1,386,232.86	\$1,185,222.83	\$918,919.71	\$541,510.18	\$338,729.93	\$8,938,314.44
Gas Sales,therms:													
Residential	145,840	134,307	146,903	256,131	437,381	889,781	1,002,107	853,395	791,852	526,323	285,378	178,369	5,647,767
Commercial	77,312	63,673	69,299	78,460	125,323	228,437	271,383	256,703	226,679	191,190	115,863	74,931	1,779,252
TA-3 Sales										33,120			33,120
Municipal	26,079	61	9,234	10,563	20,472	37,139	61,557	101,800	5,507	51,492	40,952	22,547	387,404
Water Production	22	18	19	57	512	542	537	545	2,026	1,781	1,522	14,100	21,680
Educational	2,860	1,731	2,329	8,891	30,054	60,082	63,518	59,696	45,550	34,353	17,578	2,215	328,857
TOTAL	252,113	199,790	227,784	354,102	613,742	1,215,981	1,399,102	1,272,138	1,071,615	838,260	461,292	292,163	8,198,081
Billed Locations:													
Residential	7,160	7,150	7,150	7,191	6,904	7,178	7,123	6,746	7,133	6,769	7,156	7,242	7,075
Commercial	442	441	422	441	439	426	437	432	433	441	436	442	436
Municipal	53	4	54	53	53	53	54	53	4	54	51	51	45
Water Production													0
Educational	31	31	29	31	31	31	31	30	29	30	30	32	31
TOTAL	7,686	7,626	7,655	7,716	7,427	7,688	7,645	7,261	7,599	7,294	7,673	7,767	7,586
Revenue Per therm:													
Residential	\$1.0446	\$1.1796	\$1.1479	\$1.0421	\$1.0585	\$1.1051	\$1.1103	\$1.1023	\$1.1139	\$1.1430	\$1.2013	\$1.2362	\$1.12
Commercial	\$0.9038	\$0.9447	\$0.9432	\$0.8962	\$0.9564	\$1.1036	\$1.0666	\$1.0990	\$1.0734	\$1.0886	\$1.0045	\$1.1118	\$1.02
TA-3 Sales										\$0.5870			\$0.00
Municipal	\$0.8280	\$0.2855	\$0.8789	\$0.8754	\$0.8700	\$0.9150	\$0.9791	\$1.0006	\$1.2043	\$1.0295	\$1.0603	\$0.9883	\$0.91
Water Production	\$0.6351	\$0.6269	\$0.8330	\$0.9820	\$1.1120	\$0.8740	\$0.9000	\$0.6990	\$0.6400	\$0.5870	\$0.5990	\$0.5045	\$0.75
Educational	\$0.9718	\$1.7311	\$1.0023	\$0.7412	\$0.9210	\$1.0081	\$1.0077	\$1.0078	\$1.1088	\$0.9213	\$1.0185	\$0.7195	\$1.01
AVERAGE	\$0.9875	\$1.0902	\$1.0936	\$1.0020	\$1.0312	\$1.0976	\$1.0932	\$1.0897	\$1.1060	\$1.0962	\$1.1739	\$1.1594	\$1.09
Loss Calculation													
Gas Rec'd,therms	208,100	181,820	199,650	213,630	586,290	1,004,470	1,498,690	1,470,420	1,177,400	1,058,460	544,170	280,830	8,423,930
Mo. Losses,therms	-44,013	-17,970	-28,134	-140,472	-27,452	-211,511	99,588	198,282	105,785	220,200	82,878	-11,333	225,849
% Mo. Losses	-21.15%	-9.88%	-14.09%	-65.75%	-4.68%	-21.06%	6.64%	13.48%	8.98%	20.80%	15.23%	-4.04%	2.68%
*CUMM LOSSES	-21.15%	-15.90%	-15.29%	-28.71%	-18.57%	-19.61%	-9.50%	-3.20%	-1.01%	2.03%	2.91%	2.68%	

Note:

FY06 Consumption Report

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	
Water Revenues:													
Residential	\$452,823.13	\$355,748.27	\$260,945.66	\$233,663.84	\$147,928.69	\$194,592.53	\$132,600.06	\$145,773.11	\$190,666.21	\$191,580.26	\$332,816.50	\$457,312.72	\$3,096,450.98
Commercial	\$95,466.81	\$116,005.10	\$78,644.57	\$69,467.89	\$74,450.22	\$41,607.48	\$46,916.72	\$45,648.17	\$52,406.73	\$51,065.47	\$71,850.54	\$84,866.93	\$828,396.63
Municipal	\$89,530.94	\$9,944.31	\$43,511.67	\$28,331.18	\$17,139.35	\$6,775.74	\$5,641.89	\$10,437.83	\$841.84	\$21,706.13	\$10,286.18	\$37,468.86	\$281,615.92
Educational	\$28,020.64	\$29,767.16	\$5,934.11	\$9,863.97	\$1,907.16	\$1,120.00	\$2,088.70	\$3,190.60	\$2,354.62	\$4,766.71	\$12,360.19	\$19,067.09	\$120,440.95
Rentals													\$0.00
Misc/Backcharg	\$789.00	\$4,048.17	\$3,939.00	\$1,462.00	\$1,932.00	\$3,597.00	\$2,143.28	\$1,719.80	\$8,292.04	\$2,596.00	\$3,073.00	\$2,381.10	\$35,972.39
TOTAL	\$666,630.52	\$515,513.01	\$392,975.01	\$342,788.88	\$243,357.42	\$247,692.75	\$189,390.65	\$206,769.51	\$254,561.44	\$271,714.57	\$430,386.41	\$601,096.70	\$4,362,876.87
Water Sales, Kgal:													
Residential	109,027	82,312	57,561	49,264	27,828	30,349	32,926	27,869	37,778	39,830	75,763	110,244	680,751
Commercial	24,976	27,963	20,270	17,785	17,909	11,560	12,574	10,924	13,164	21,678	18,137	21,421	218,359
Municipal	23,981	2,665	11,327	7,444	4,294	1,518	1,279	2,501	195	2,903	3,443	8,749	70,301
Educational	7,391	6,719	2,511	2,393	349	345	387	694	481	1,091	3,195	4,954	30,509
TOTAL	165,374	119,659	91,668	76,886	50,380	43,772	47,166	41,989	51,618	65,502	100,538	145,367	999,920
Billed Locations:													
Residential	6,647	6,650	6,646	6,682	6,339	6,663	6,607	6,220	6,605	6,250	6,674	6,736	6,560
Commercial	388	392	374	389	381	373	377	375	366	379	380	387	380
Municipal	94	6	93	92	92	92	95	94	6	95	93	93	79
Educational	28	28	26	28	27	27	26	25	26	26	27	27	27
TOTAL	7,157	7,076	7,139	7,191	6,839	7,155	7,105	6,714	7,003	6,750	7,174	7,243	7,046
Revenue Per Kgal:													
Residential	\$4.1533	\$4.3220	\$4.5334	\$4.7431	\$5.3159	\$6.4117	\$4.0272	\$5.2306	\$5.0470	\$4.8099	\$4.3929	\$4.1482	\$4.5486
Commercial	\$3.8224	\$4.1485	\$3.8799	\$3.9060	\$4.1570	\$3.5993	\$3.7312	\$4.1787	\$3.9811	\$2.3556	\$3.9616	\$3.9619	\$3.7937
Municipal	\$3.7335	\$3.7311	\$3.8415	\$3.8058	\$3.9913	\$4.4633	\$4.4098	\$4.1731	\$4.3083	\$7.4769	\$2.9872	\$4.2827	\$4.0059
Educational	\$3.7913	\$4.4302	\$2.3633	\$4.1222	\$5.4599	\$3.2473	\$5.3999	\$4.5954	\$4.8963	\$4.3699	\$3.8688	\$3.8492	\$3.9477
AVERAGE	\$4.0310	\$4.3082	\$4.2869	\$4.4584	\$4.8304	\$5.6587	\$4.0154	\$4.9244	\$4.9316	\$4.1482	\$4.2808	\$4.1350	\$4.3632
Loss Calculation													
Water Rec'd, Kg	176,328	108,567	98,234	56,549	51,589	58,767	57,107	49,435	64,536	104,861	142,401	150,919	1,119,292
Mo. Losses, Kga	10,953	-11,092	6,566	-20,337	1,208	14,994	9,941	7,446	12,918	39,359	41,864	5,552	119,372
% Mo. Losses	6.21%	-10.22%	6.68%	-35.96%	2.34%	25.51%	17.41%	15.06%	20.02%	37.53%	29.40%	3.68%	10.66%
*CUMM LOSS	6.21%	-0.05%	1.68%	-3.16%	-2.59%	0.42%	2.01%	3.00%	4.52%	8.71%	11.75%	10.66%	10.66%

FY06 Consumption Report

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	
Sewer Revenues:													
All Retail	\$192,618.96	\$178,830.57	\$173,673.51	\$176,388.44	\$160,343.61	\$166,099.62	\$183,014.86	\$180,315.57	\$201,019.10	\$201,471.51	\$233,742.26	\$244,696.68	\$2,292,214.69
Municipal/Effluent	\$16,685.62	\$3,925.68	\$5,465.10	\$0.00	\$2,019.30	\$0.00	\$0.00	\$0.00	\$4,095.40	\$7,560.50	\$14,487.00	\$10,933.86	\$65,172.46
Rentals													
Misc/Backcharges	(\$27.76)	\$925.02	\$695.00	\$0.00	\$274.47	\$461.16	\$90.03	\$0.00	\$0.00	\$0.00	\$0.00	\$351.48	
TOTAL	\$209,276.82	\$183,681.27	\$179,833.61	\$176,388.44	\$162,637.38	\$166,560.78	\$183,104.89	\$180,315.57	\$205,114.50	\$209,032.01	\$248,229.26	\$255,982.02	\$2,360,156.55
Sewage Treated, Kgal:													
Los Alamos	31,540	33,300	28,309	29,831	30,923	29,779	27,037	25,609	29,453	29,107	29,494	27,804	352,186
White Rock	16,800	16,634	15,000	14,900	13,910	15,110	14,229	11,663	16,192	12,959	14,863	15,929	178,189
TOTAL TREATED, Kgal.	48,340	49,934	43,309	44,731	44,833	44,889	41,266	37,272	45,645	42,066	44,357	43,733	530,375
TOTAL BILLED, Kgal:	31,558	31,113	30,392	31,399	28,105	29,608	30,431	27,712	31,115	31,747	37,301	39,603	380,083
Revenue Per Kgal Treated:	\$4.33	\$3.68	\$4.15	\$3.94	\$3.63	\$3.71	\$4.44	\$4.84	\$4.49	\$4.97	\$5.60	\$5.85	\$4.45

FY07 Consumption Report

	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Totals
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	
Electric Revenues:													
Residential	\$335,601.36	\$404,328.59	\$412,445.24										\$1,152,375.19
Private Area Lights	\$647.92	\$773.20	\$785.73										\$2,206.85
Commercial	\$291,731.96	\$306,975.05	\$308,575.73										\$907,282.74
Municipal	\$43,889.48	\$87,468.32	\$40,764.31										\$172,122.11
Water Prod. Offline	\$52,672.39	\$44,719.12	\$44,558.27										\$141,949.78
Educational	\$16,286.04	\$20,570.85	\$25,944.84										\$62,801.73
Wholesale Sales													\$0.00
Pole Rentals													\$0.00
Misc/Backcharges	\$8,824.00	\$11,109.87	\$7,296.00										\$27,229.87
TOTAL	\$749,653.15	\$875,945.00	\$840,370.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,465,968.27
Electric Kwh Sales:													
Residential	3,829,970	4,461,903	4,580,950										12,872,823
Private Area Lights	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	37,416
Commercial	4,026,602	4,348,345	4,365,728										12,740,675
Municipal	587,392	602,004	531,027										1,720,423
Water Production	1,175,011	843,567	823,623										2,842,202
Educational	182,537	254,609	337,365										774,511
TOTAL	9,804,630	10,513,546	10,641,811	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	3,118	30,988,050
Billed Locations:													
Residential	7,225	8,015	7,986										7,742
Private Area Lights													0
Commercial	734	782	783										766
Municipal	150	150	151										150
Water Prod. Offline													
Educational	41	44	46										44
TOTAL	8,150	8,991	8,966	0	0	0	0	0	0	0	0	0	8,702
Revenue Per Kwh:													
Residential	\$0.0876	\$0.0906	\$0.0900										\$0.0895
Private Area Lights	\$0.2078	\$0.2480	\$0.2520	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0590
Commercial	\$0.0725	\$0.0706	\$0.0707										\$0.0712
Municipal	\$0.0747	\$0.1453	\$0.0768										\$0.1000
Water Production	\$0.0448	\$0.0530	\$0.0541										\$0.0499
Educational	\$0.0892	\$0.0808	\$0.0769										\$0.0811
AVERAGE	\$0.0765	\$0.0833	\$0.0790	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0796
Loss Calculation													
Power Rec'd, kwh	10,983,158	10,377,552	8,681,232										30,041,942
Mo. Losses, kwh	1,178,528	-135,994	-1,960,579	-3,118	-3,118	-3,118	-3,118	-3,118	-3,118	-3,118	-3,118	-3,118	-946,107
% Mo. Losses	10.73%	-1.31%	-22.58%										-3.15%
*CUMM LOSSES	10.73%	4.88%	-3.06%	-3.07%	-3.08%	-3.09%	-3.10%	-3.11%	-3.12%	-3.13%	-3.14%	-3.15%	-3.15%

FY07 Consumption Report

	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Totals
	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	
Gas Revenues:													
Residential	\$153,191.08	\$179,629.86	\$234,236.07										\$567,057.01
Commercial	\$79,257.13	\$63,965.08	\$88,968.81										\$232,191.02
TA-3 Sales													\$0.00
Municipal	\$12,739.86	\$9,388.57	\$8,275.76										\$30,404.19
Water Production	\$4,830.02	\$14.21											\$4,844.23
Educational	\$752.86	\$1,819.08	\$4,000.10										\$6,572.04
Misc/Backcharges	\$1,979.59	\$4,027.19	\$3,051.34										\$9,058.12
TOTAL	\$252,750.54	\$258,843.99	\$338,532.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$850,126.61
Gas Sales,therms:													
Residential	123,633	130,111	180,212										433,956
Commercial	69,227	58,312	80,343										207,882
TA-3 Sales													0
Municipal	11,657	9,319	7,656										28,631
Water Production	8,980	20	0										9,000
Educational	1,391	1,745	3,510										6,646
TOTAL	214,888	199,506	271,721	0	0	0	0	0	0	0	0	0	686,116
Billed Locations:													
Residential	6,532	7,241	7,213										6,995
Commercial	420	444	444										436
Municipal	51	52	52										52
Water Production													0
Educational	29	31	31										30
TOTAL	7,032	7,768	7,740	0	0	0	0	0	0	0	0	0	7,513
Revenue Per therm:													
Residential	\$1.2391	\$1.3806	\$1.2998										\$0.33
Commercial	\$1.1449	\$1.0970	\$1.1074										\$0.28
TA-3 Sales													\$0.00
Municipal	\$1.0929	\$1.0075	\$1.0810										\$0.27
Water Production	\$0.5379	\$0.7105											\$0.10
Educational	\$0.5411	\$1.0424	\$1.1398										\$0.23
AVERAGE	\$1.1762	\$1.2974	\$1.2459										\$0.31
Loss Calculation													
Gas Rec'd,therms	198,200	189,239	197,430										584,869
Mo. Losses,therms	-16,688	-10,267	-74,291	0	0	0	0	0	0	0	0	0	-101,247
% Mo. Losses	-8.42%	-5.43%	-37.63%										-17.31%
*CUMM LOSSES	-8.42%	-6.96%	-17.31%	-17.31%	-17.31%	-17.31%	-17.31%	-17.31%	-17.31%	-17.31%	-17.31%	-17.31%	

Note:

From: ArrowsmithJ@lac.losalamos.nm.us [mailto:ArrowsmithJ@lac.losalamos.nm.us]
Sent: Thursday, October 19, 2006 12:32 PM
To: Folk, Kevin T.
Subject: RE: Data Needs for Los Alamos County Water, Natural Gas, and Electric Power and Peak Load Use for FY/CY 2005-2006

Kevin, attached is a summary of monthly production and sales to LANL through September 2006. Please let me know what else you need.

John Arrowsmith

-----Original Message-----

From: KEVIN.T.FOLK@saic.com [mailto:KEVIN.T.FOLK@saic.com]
Sent: Thursday, October 19, 2006 8:32 AM
To: Arrowsmith, John
Subject: RE: Data Needs for Los Alamos County Water, Natural Gas, and Electric Power and Peak Load Use for FY/CY 2005-2006

John:

Thanks for the reply and for the reports. Tim Glasco had previously sent me a single spreadsheet which had the monthly water production volumes. So, perhaps I am in need of the monthly production reports for 2005-current or a summary covering the same period of record. I would greatly appreciate it. Of course, the issue with the monthly production reports not matching the billing cycles for retail reporting now makes complete sense to me in hindsight. Again, I greatly appreciate your time.

Kevin Folk

-----Original Message-----

From: ArrowsmithJ@lac.losalamos.nm.us
[mailto:ArrowsmithJ@lac.losalamos.nm.us]
Sent: Wednesday, October 18, 2006 6:01 PM
To: Folk, Kevin T.
Subject: RE: Data Needs for Los Alamos County Water, Natural Gas, and Electric Power and Peak Load Use for FY/CY 2005-2006

Kevin, attached are the two retail consumption reports that you requested. Regarding water production, I have separate reports for each month. Did I send those individual reports to you last time or did I summarize them? The retail consumption on the attached reports show services that were billed for during each respective month. If a customer is billed on the first day of each month, the actual use will have occurred during the previous month. As a result, the production reports will not really match the consumption report on a month to month basis.

John Arrowsmith
662-8272

-----Original Message-----

From: KEVIN.T.FOLK@saic.com [mailto:KEVIN.T.FOLK@saic.com]
Sent: Wednesday, October 18, 2006 2:09 PM
To: Glasco, Timothy; Arrowsmith, John
Subject: Data Needs for Los Alamos County Water, Natural Gas, and Electric Power and Peak Load Use for FY/CY 2005-2006

Gentlemen:

As you are probably aware, the public comment period on the *Site-Wide EIS for Continued Operation of LANL* (the SWEIS as we call it) recently closed and we are currently revising the SWEIS to produce a final document. Since both of you were extremely helpful for the draft, I thought I would direct my questions at both of you. To that end, I am in need of county water, natural gas, and electric power/peak load usage data for FY/CY 2005-2006 and any available data to date. This data will be compared to data compiled by LANL and presented in the final EIS.

Previously, you sent me a spreadsheet with DOE water sales for the period 2001-2005 (CY basis), so I am probably in need of the latest version.

You also sent me FY Consumption Report spreadsheets for numerous fiscal years through FY05 that included electric, gas, and water sales to county customers other than LANL. Could you provide the latest county (FY06) Consumption Report? The data you provided last time and time spent to respond to numerous questions was very much appreciated.

I have one question. In comparing the water data between the DOE water sales spreadsheet to the water sales information in the Consumption Reports, I would have expected the monthly totals in each spreadsheet equating to total county use/sales to be similar. However, I note that this is not the case. Is there some consideration I am missing in terms of sales to retail customers versus total county usage?

Again, I would greatly appreciate your help in collecting the above and would be happy to discuss with you if needed. Of course, please contact me with any immediate questions or if you need clarification. Thank you.

Kevin Folk

Kevin T. Folk, Senior Analyst

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Los Alamos County Utilities Department
 Water Production History
 July 2004 through September 2006
 In thousands of gallons

	FY2005		FY2006		FY2007	
	Total	LANL	Total	LANL	Total	LANL
	Production	Sales	Production	Sales	Production	Sales
July	173,673	28,096	209,810	33,482	155,310	34,916
August	125,153	36,427	144,516	35,949	104,502	29,171
September	131,048	40,597	130,151	31,917	103,880	27,258
October	82,997	29,022	90,865	34,315		
November	71,333	20,639	77,516	25,927		
December	78,332	20,832	85,612	26,845		
January	79,569	23,095	80,365	23,258		
February	76,482	29,023	74,546	25,596		
March	84,822	27,877	83,370	20,620		
April	86,206	26,303	132,617	27,775		
May	138,756	32,224	175,419	32,557		
June	188,870	32,295	184,120	34,214		