From: Arrowanial 60 ke; Issularens arm as on behalf of Arrowanish, John [Arrowanish,10 ke; Issularens arm as]
Sent: Washenday, October 18, 2006 6:01 PM
Tr. Folk, Krein T.
Subject: HE: Data Nords for Los Alamos County Water, Natural Gas, and Electric Power and Peak Load Use for FV/CY 2005-2006

Seigne IE Dan Swels for Les Alamon Currey Water, Naturd Gas, and Electric Power and Post Lead Use for PYCY 2005-206
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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 distribution.

Kevin Folk

301-428-3713 [Fax]

Acon I. (van., Samer Anasyos Engineering & Infrastructure Compliance and Nuclear Engineering Division Science Applications International Corporation 2020 I Century Boulevard, 3rd Floor Germanown, MD 20074 301-353-8347 [Office]

Follow Up Flage Follow up Flag Status: Flagged

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

John Accessessith

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Seal-York RE: Data Needs for Los Allamos County Water, Names Gas, and Electric Power and Pool Load Use for PYCY 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 sur

John Arrowsmith 662-8272

— Origin Manage—
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From EXPNS TOLK Orabot com [mails EXPNS TPGLK 0 six com]
Solyen Dan North for Low Atlanta Casary Water, Natured Gas, and Electric Power and Peak Load Use for PYCY 2005-2006
Gentlemen.

As you are probably aware, the public common period on the Site-Wide EES for Continued Operation of LANL, (the SWHEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and we are convenly revising the eSWEX as we call it) recently dosed and revision that the estimated the estimated that the estimated the estimated that the est

Three one quotion. In comparing the water data between the DOE water sales spreadheer to the water sales information in the Consumption Reports, I would have expected the monthly totals in each spreadheer equating to total county usefules 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 extraorres versus statal county usage?

Kevin T. Folk, Senior Analyst

Engineering & Infrastructure

Compliance and Nuclear Engineering Division
Science Applications International Corporation
20201 Century Boulevard, 3rd Floor

Germantown, MD 20874 301-353-8347 [Office]

301-606-6300 [Cell] 301-428-3713 [Fax]

	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	
as Revenues:													
esidential	\$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
ommercial	\$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
A-3 Sales										\$19,441.44	\$10,791.58		\$30,233.02
unicipal	\$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
Vater 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
lucational	\$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
isc/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
OTAL	\$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
			. ,			. , ,				,	. ,		
as Sales,therms:	1												
esidential	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	5,647,76
ommercial	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
A-3 Sales	1	,-,-	~-,=//	, .00	,525	,	,505		,0/>	33,120	,05	,,,,,,	33,120
unicipal	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
Vater Production	22	18	19	57	512	542	537	545	2,026	1,781	1,522	14,100	21,680
lucational	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
OTAL	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
) I I L	202,110	1,,,,,,,	221,104	334,102	013,742	1,215,701	1,577,102	1,272,130	1,071,015	050,200	401,272	272,103	0,170,001
lled Locations:	-												
sidential	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
mmercial	442	441	422	441	439	426	-	432	433	441	436	442	430
ınicipal	53	441	54	53	53	53	54	53	433	54	51	51	43
Vater Production	33	4	34	33	33	33	34	33	4	34	31	31	
ucational	31	31	29	31	31	31	31	30	29	30	30	32	3
TAL	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
IAL	7,000	7,020	7,033	7,710	7,427	7,000	7,043	7,201	1,399	1,234	7,073	7,707	7,50
enue Per therm:													
sidential	\$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
mmercial	\$0.9038	\$0.9447	\$0.9432	\$0.8962	\$0.9564	\$1.1031	\$1.0666	\$1.0990	\$1.1139 \$1.0734	\$1.0886	\$1.0045	\$1.2362	\$1.12 \$1.02
-3 Sales	\$0.9036	\$0.9447	\$0.9432	\$0.8902	\$0.9304	\$1.1050	\$1.0000	\$1.0990	\$1.0734	\$0.5870	\$1.0043	\$1.1110	\$1.02 \$0.00
ınicipal	\$0.8280	\$0,2855	\$0.8789	\$0.8754	\$0.8700	\$0.9150	\$0.9791	\$1,0006	\$1.2043	\$1.0295	\$1.0603	\$0,9883	\$0.00 \$0.91
									-				
ater 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
lucational	\$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
VERAGE	\$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
0.1.1.0													
oss Calculation	***	404.0	400		*****		4 400			4.050.7.5		****	0.405
as 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
o. 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	225,84
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%	

	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	
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:	1												
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	
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	
% 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%	

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

FY2005 FY2006 FY2

	Total Production	LANL Sales	Total Production	LANL Sales	Total Production
July	173,673	28,096	209,810	33,482	155,310
August	125,153	36,427	144,516	35,949	104,502
September	131,048	40,597	130,151	31,917	103,880
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	

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LANL Sales

> 34,916 29,171 27,258