

11/3

Folk, Kevin T.

From: GlascoT@lac.losalamos.nm.us on behalf of Glasco, Timothy [GlascoT@lac.losalamos.nm.us]
Sent: Tuesday, November 01, 2005 4:42 PM
To: KEVIN.T.FOLK@saic.com
Subject: RE: Los Alamos County Water Supply Planning

Folk, Kevin T.

Mr. Folk,

Los Alamos County is in the process of converting our contract with the Bureau of Reclamation for San Juan/Chama Project water from a Purchase form of contract to a Repayment form of contract. The basic difference in the two contracts is that the Purchase form of contract has an expiration date, and there are no guarantees that we would be able to renew the contract after its expiration. The Repayment form of contract has no expiration date, and serves as basically a perpetual contract. It is important for the County to have a secure right to the water before we invest significant money in developing this resource. The new contract has been negotiated with the Bureau of Reclamation, and the NEPA process has just begun. We are planning on completion of the contract conversion process within one year, barring unforeseen bureaucratic problems with Reclamation.

At this point the preferred method of bringing the SJ/C water up from the river is to bore a tunnel under the mesa and then drill a vertical well to intercept the tunnel. While it is approximately 30-40% more expensive, this option avoids almost all of the environmental problems of the above-ground pipe and pump station alternative. Given the environmentally sensitive nature of White Rock canyon, it may be the only acceptable alternative. A final decision will not be made until NEPA has been completed on the project. If the contract conversion proceeds as expected next year, then NEPA would begin, taking up to an additional two years to complete. With project design, permitting, lining up funding and then construction, the earliest that San Juan/Chama Project water could be utilized is approximately 2010.

LAC and DOE water use figures can be found on the attached Xcell spreadsheet. I hope this information meets your needs. Please call me at 662-8148 if you have any further questions.

Tim Glasco

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

From: KEVIN.T.FOLK@saic.com [mailto:KEVIN.T.FOLK@saic.com]

Sent: Tuesday, November 01, 2005 11:41 AM

To: Glasco, Timothy

Subject: Los Alamos County Water Supply Planning

Mr. Glasco:

As a follow-up to my earlier voicemail, I am working for DOE-NNSA on the update to the Site-Wide Environmental Impact Statement for Los Alamos National Laboratory. We are trying to get a handle on a number of projects that the county is involved with as they may affect LANL. In particular, I am trying to update the status of some of the discussions we have regarding the county's plans for tapping San Juan Chama water. The project description on the CIP page of the county's website indicates that the county has been trying to obtain a more "secure" contract from the BOR for its 1,200 ac-ft allocation. What is the status of this effort? Also, has a decision been made on which of the two options to pursue to access the allocation? What is the currently envisioned timeframe for constructing the selected collector system and when could the county begin making use of the

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allocation? Is one alternative (piping vs. diversion wells) more environmentally preferable (aside from cost) such as in terms of electricity and other infrastructure needed to implement it? Finally, could you provide county water use figures for the period 1998-2004 for comparison with LANL use?

I would greatly appreciate the opportunity to discuss this request with you as soon as is convenient. In the meantime, I thank you in advance for any help and data you can provide and look forward to a response.

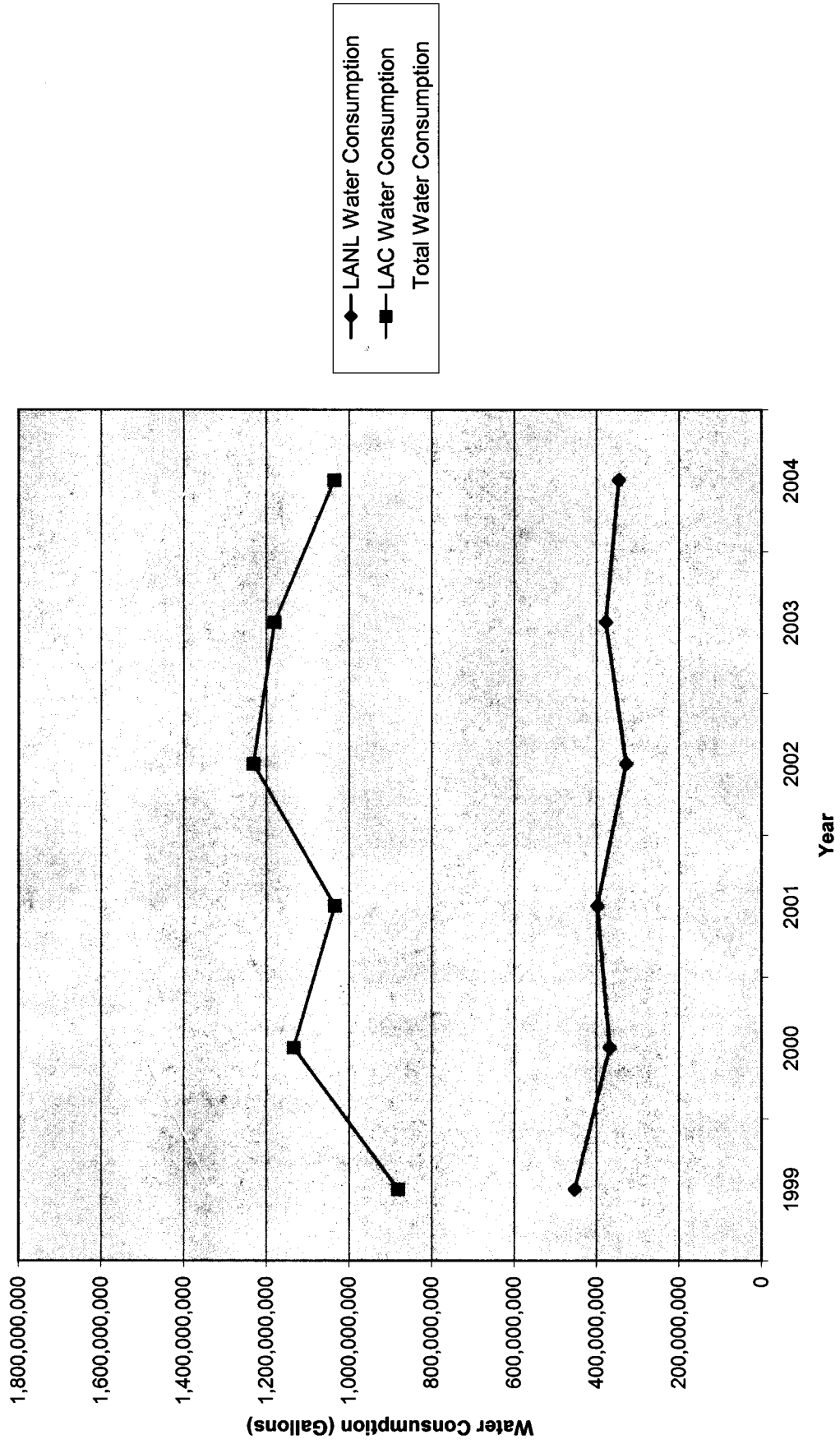
Kevin Folk

Kevin T. Folk, Senior Analyst
*Environmental and Nuclear Security Division
Science Applications International Corporation
20201 Century Boulevard, 3rd Floor
(301) 353-8347
(301) 428-3482 (FAX)*

Month	DOE Sales	LAC Use	Total Production
Jan-99	27,720,162	51,228,238	78,948,400
Feb-99	28,119,720	54,066,380	82,186,100
Mar-99	28,872,360	55,543,150	84,415,510
Apr-99	28,645,340	66,173,360	94,818,700
May-99	42,248,230	97,480,440	139,728,670
Jun-99	46,763,200	104,639,151	151,402,351
Jul-99	52,028,930	105,964,212	157,993,142
Aug-99	41,497,880	77,873,745	119,371,625
Sep-99	50,726,880	86,876,355	137,603,235
Oct-99	39,357,900	64,828,451	104,186,351
Nov-99	38,624,090	62,044,999	100,669,089
Dec-99	28,490,550	53,563,431	82,053,981
1999	453,095,242	880,281,912	1,333,377,154
Jan-00	24,719,470	62,393,064	87,112,534
Feb-00	16,913,420	44,390,980	61,304,400
Mar-00	25,850,681	63,877,533	89,728,214
Apr-00	31,605,405	75,961,565	107,566,970
May-00	50,375,717	191,223,683	241,599,400
Jun-00	39,082,930	132,600,900	171,683,830
Jul-00	35,320,160	124,910,940	160,231,100
Aug-00	33,583,184	125,874,816	159,458,000
Sep-00	68,481,206	100,107,294	168,588,500
Oct-00	22,250,950	70,287,750	92,538,700
Nov-00	18,081,240	60,536,260	78,617,500
Dec-00	1,906,691	81,111,808	83,018,499
2000	368,171,054	1,133,276,593	1,501,447,647
Jan-01	27,302,760	52,229,040	79,531,800
Feb-01	27,763,820	38,718,280	66,482,100
Mar-01	22,399,770	55,294,730	77,694,500
Apr-01	24,694,300	72,512,300	97,206,600
May-01	33,609,090	122,032,910	155,642,000
Jun-01	39,480,260	158,793,840	198,274,100
Jul-01	38,818,960	124,424,740	163,243,700
Aug-01	42,534,570	90,371,509	132,906,079
Sep-01	49,485,450	117,493,524	166,978,974
Oct-01	42,991,560	83,192,693	126,184,253
Nov-01	23,329,440	59,522,955	82,852,395
Dec-01	25,941,190	59,177,445	85,118,635
2001	398,351,170	1,033,763,966	1,432,115,136
Jan-02	21,651,380	57,678,726	79,330,106
Feb-02	20,712,820	52,418,074	73,130,894
Mar-02	22,862,560	75,920,528	98,783,088
Apr-02	24,698,030	112,510,336	137,208,366
May-02	37,394,845	150,252,439	187,647,284
Jun-02	33,995,730	174,005,076	208,000,806
Jul-02	32,948,000	148,220,138	181,168,138
Aug-02	24,432,250	152,384,187	176,816,437
Sep-02	29,567,380	114,657,297	141,810,367

Oct-02	27,153,070	87,972,857	115,125,927
Nov-02	26,398,035	56,291,311	82,689,346
Dec-02	27,083,630	48,514,877	75,598,507
2002	328,897,730	1,230,825,846	1,557,309,266
Jan-03	34,941,670	58,408,244	93,349,914
Feb-03	28,632,670	58,243,816	86,876,486
Mar-03	30,206,920	55,650,379	85,857,299
Apr-03	27,115,961	89,570,876	116,686,837
May-03	28,838,769	145,697,143	174,535,912
Jun-03	27,502,520	150,220,586	177,723,106
Jul-03	31,179,330	191,618,794	222,798,124
Aug-03	40,500,250	125,763,556	166,263,806
Sep-03	35,093,040	104,799,814	139,892,854
Oct-03	32,064,080	89,157,442	121,221,522
Nov-03	35,420,790	54,247,171	89,667,961
Dec-03	26,271,210	56,421,289	82,692,499
2003	377,767,210	1,179,799,110	1,557,566,320
Jan-04	30,613,610	58,049,474	88,663,084
Feb-04	27,766,020	50,130,998	77,897,018
Mar-04	31,415,970	62,735,677	94,151,647
Apr-04	25,852,000	68,169,100	94,021,100
May-04	26,501,960	140,790,477	167,292,437
Jun-04	28,860,640	168,662,160	197,522,800
Jul-04	28,095,680	145,577,420	173,673,100
Aug-04	36,427,029	88,725,971	125,153,000
Sep-04	40,596,641	90,451,359	131,048,000
Oct-04	29,021,980	53,975,020	82,997,000
Nov-04	20,639,250	50,693,750	71,333,000
Dec-04	20,832,200	57,499,800	78,332,000
2004	346,622,980	1,035,461,206	1,382,084,186
Jan-05	23,094,590	56,474,410	79,569,000
Feb-05	29,023,070	47,458,930	76,482,000
Mar-05	27,876,540	56,945,460	84,822,000
Apr-05	26,302,970	59,903,230	86,206,200
May-05	32,223,650	106,532,250	138,755,900
Jun-05	32,294,850	156,574,650	188,869,500
Jul-05	33,482,200	176,327,500	209,809,700
Aug-05	35,949,100	108,566,700	144,515,800
Sep-05	31,917,470	98,233,730	130,151,200
Oct-05			
Nov-05			
Dec-05			
2005			

LAC and LANL Water Use



Folk, Kevin T.

From: GlascoT@lac.losalamos.nm.us on behalf of Glasco, Timothy
[GlascoT@lac.losalamos.nm.us]
Sent: Wednesday, November 09, 2005 11:30 AM
To: KEVIN.T.FOLK@saic.com
Subject: RE: Los Alamos County Water Supply Planning
Follow Up Flag: Follow up
Flag Status: Completed

Kevin,

We assumed control of the water production system and began selling water to the DOE in September of 1998 so it is only after that time we began keeping records of LANL water sales. I took the following data from a LANL report. I do not have the monthly consumption data for that year.

CY1998 Water Use: LANL - 461,000,000 gal.; LAC - 936,000,000 gal.; Total System - 1,397,000,000 gal.

Hope this is what you need.

Tim

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

From: KEVIN.T.FOLK@saic.com [mailto:KEVIN.T.FOLK@saic.com]
Sent: Tuesday, November 08, 2005 1:53 PM
To: Glasco, Timothy
Subject: RE: Los Alamos County Water Supply Planning

Sorry. 1998. I have 1992-1997. Thanks.

Kevin

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

From: GlascoT@lac.losalamos.nm.us [mailto:GlascoT@lac.losalamos.nm.us]
Sent: Tuesday, November 08, 2005 3:51 PM
To: KEVIN.T.FOLK@saic.com
Subject: RE: Los Alamos County Water Supply Planning

Which is it you need, 1997 or 1998?

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

From: KEVIN.T.FOLK@saic.com [mailto:KEVIN.T.FOLK@saic.com]
Sent: Tuesday, November 08, 2005 11:06 AM
To: Glasco, Timothy
Subject: RE: Los Alamos County Water Supply Planning

Mr. Glasco:

Once again, I greatly appreciate the information. One final request, hopefully. I find that I am missing CY 1998 water production for the County as LANL stopped tracking it against the site's use after 1997. Could I impose on you to send me the 1997 data? I would greatly appreciate it.

Kevin Folk

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

From: GlascoT@lac.losalamos.nm.us [mailto:GlascoT@lac.losalamos.nm.us]
Sent: Monday, November 07, 2005 10:00 AM
To: KEVIN.T.FOLK@saic.com
Subject: RE: Los Alamos County Water Supply Planning

We have not really implemented any conservation measures to speak of, so I would attribute the downturn to the wetter weather we have had the last two years.

Tim

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

From: KEVIN.T.FOLK@saic.com [mailto:KEVIN.T.FOLK@saic.com]
Sent: Thursday, November 03, 2005 3:03 PM
To: Glasco, Timothy
Subject: RE: Los Alamos County Water Supply Planning

Mr. Glasco:

Thank you for the information. The clarification on the contract status was particularly helpful. If I might ask a follow-up question; I noted the downward trend in water consumption over the last two years. Do you attribute this to wetter than average weather, conservation measures, or both? Thanks again.

Kevin Folk

Kevin T. Folk, Senior Analyst

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20201 Century Boulevard, 3rd Floor
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(301) 353-8347*

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

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Sent: Tuesday, November 01, 2005 4:42 PM
To: KEVIN.T.FOLK@saic.com
Subject: RE: Los Alamos County Water Supply Planning