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2009 MAY 11 AM 10: 57

May 8, 2009

BRAZOS RIVER
AUTHORITY

Mr. Trey Buzbee
Project Manager
Brazos G Regional Water Planning Group
P.O. Box 7555
Waco, Texas 76714-7555

Re: Steam-Electric Demands for 2011 Brazos G Regional Water Plan

Dear Mr. Buzbee:

Thank you for your letter dated April 23, 2009, and the opportunity to comment on the above-referenced document. As you know, Tenaska is currently developing the Tenaska Trailblazer Energy Center ("TTEC") in Nolan County. The TTEC will generate approximately 765 megawatts ("MW") gross and 600 MW net, using best available supercritical steam, pulverized coal technology. The plant will be designed to capture 85 to 90 percent of the carbon dioxide produced during combustion and deliver it via pipeline to Permian Basin oil fields for use in enhanced oil recovery ("EOR") and ultimately, geologic storage. We anticipate that the TTEC will be ready for commercial operation in 2015.

Current design calls for the TTEC to use air cooled condenser technology with an anticipated maximum water demand of about 2,000 acre-feet/year. However, the TTEC design could shift to more efficient and less expensive wet cooling if sufficient water supply can be secured consistent with the other needs of the area. Under the wet cooling case, water usage on the order of 12,000 acre-feet/year would be anticipated.

Although Tenaska currently has no plans to expand the TTEC, for planning purposes, it would be reasonable to assume that the TTEC might expand at some point after commercial operations begins. Consequently, the 20,000 acre-feet/year earmarked for steam-electric demand in Nolan County over the Brazos G plan horizon seems reasonable at this time and allows for future growth in this sector.

Sincerely,

TENASKA

M. Fred Strauss, P.G.
Director, Environmental Programs

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2009 MAY 18 AM 10: 48

BRAZOS RIVER
AUTHORITY



**9201 Wolf Hollow Court
Granbury, TX 76048
817-579-8201
Fax 817-579-1190**

May 14, 2009

Trey Buzbee
Project Manager
Brazos G Regional Water Planning Group

Mr. Buzbee,

Wolf Hollow has reviewed the Brazos G Regional Water Planning Group's steam-electric demand projections for Wolf Hollow I. The projection listed in Table 1 (Alternative Steam-Electric Demand Projections for Six Brazos G Counties) for year 2010 currently states the projection of 4,000 acre feet.

Based on previous usage, current and predicted capacity factor for the plant, the projected usage for year 2010 should be 5,100 acre feet.

Based on current plans, the projected usage for 2020, 2030, 2040, 2050 and 2060 should 10,200 acre feet.

Please feel free to contact us if there are other questions.

Sincerely,

A handwritten signature in black ink, appearing to read "K. Fleetwood". The signature is written in a cursive, flowing style.

Kelly Fleetwood
Plant Manager

Cc: file

Trey Buzbee

From: Young, Eddy [Eddy.Young@optimenergy.com]
Sent: Thursday, May 14, 2009 5:46 AM
To: Trey Buzbee
Cc: Faulkner, George; Rahn, Nick
Subject: Brazos G Water Planning

Trey:

Thanks for taking my call Tuesday concerning the Brazos G water planning information you are working on. As of today (May 14, 2009) Optim Energy nor Twin Oaks is planning any expansion activities that would increase water use in any of the counties mentioned your letter. If we do decide something in the near future I will forward that information to you. Please let me know if you have any questions or need additional information.

Have A Blessed Day

Eddy Young

Environmental Coordinator

Optim Energy LP, Twin Oaks

P.O. Box 37

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eddy.young@optimenergy.com



OPTIMENERGY

Trey Buzbee

From: wgcarter@aep.com
Sent: Friday, May 15, 2009 12:07 PM
To: Trey Buzbee
Cc: mcmccullough@aep.com; chadami@aep.com; tjslater1@aep.com
Subject: Brazos G Steam Electric Estimates

Trey -

I currently serve on the Region D planning group and am coordinating American Electric Power's response to your request for feedback. Please note that I worked with other utility representatives on the 2003 report contracted by TWDB that was the basis for the 2006 steam electric demand, and I had reviewed and provided comments to the Bureau of Economic Geology regarding their estimates. I had concerns over some of the BEG report assumptions and recently completed my own statewide and regional steam electric estimates which are attached below for Region G and which have been provided to the TWDB's Stuart Norvell as well as a number of steam electric reps on select regions. I also have a revised version of my spreadsheet that attempts to account for the higher water demand due to possible future carbon capture requirements. If you are interested in a copy of my work I will be glad to forward it to you.

That being said - my comments regarding the proposed Brazos G estimates are as follows:

- The AEP (formerly West Texas Utilities) plants in Jones, Haskell and Taylor counties have been retired. If you wish, the steam electric demand for those counties may be set to zero. As you are probably aware, for the past several years, the Abilene area has been the focus of significant growth in wind generation which has minimal water demand.

Brazos G Steam Electric Water Demand - assumes no carbon capture

	2000	2006	2010	2020	2030	2040	2050	2060
BELL	0	0	0	863	2,131	2,547	3,045	3,639
BOSQUE	521	821	1,663	563	1,379	1,648	1,970	2,355
BRAZOS	545	588	127	67	112	134	160	191
BURLESON	0	0	0	0	0	0	0	0
CALLAHAN	0	0	0	0	0	0	0	0
COMANCHE	0	0	0	0	0	0	0	0
CORYELL	0	0	0	0	0	0	0	0
EASTLAND	0	0	0	0	0	0	0	0
ERATH	0	0	0	0	0	0	0	0
FALLS	0	0	0	0	0	0	0	0
FISHER	0	0	0	0	0	0	0	0
GRIMES	4,405	7,149	5,988	11,095	13,763	16,451	19,663	23,504
HAMILTON	0	0	0	0	0	0	0	0
HASKELL	507	0	0	0	0	0	0	0
HILL	0	0	0	0	0	0	0	0
HOOD	2,573	2,746	2,526	1,579	3,671	4,389	5,246	6,270
JOHNSON	0	325	665	223	551	659	788	942
JONES	1,510	0	0	0	0	0	0	0
KENT	0	0	0	0	0	0	0	0
KNOX	0	0	0	0	0	0	0	0
LAMPASAS	0	0	0	0	0	0	0	0
LEE	0	0	0	0	0	0	0	0
LIMESTONE	22,065	23,403	22,211	25,622	25,622	30,626	36,607	43,756
MCLENNAN	24,412	427	1,253	12,459	12,874	15,389	18,394	21,987
MILAM	4,048	4,166	8,741	8,741	8,741	10,448	12,488	14,927
NOLAN	1,093	204	0	7,338	7,338	8,771	10,483	12,531
PALO PINTO	1,378	518	357	179	298	356	425	508
ROBERTSON	4,322	4,330	17,223	17,223	17,223	20,586	24,607	29,412
SHACKELFORD	0	0	0	0	0	0	0	0
SOMERVELL	76,505	45,826	44,136	87,464	87,464	104,546	124,964	149,370
STEPHENS	0	0	0	0	0	0	0	0
STONEWALL	0	0	0	0	0	0	0	0
TAYLOR	31	0	0	0	0	0	0	0
THROCKMORTC	0	0	0	0	0	0	0	0
WASHINGTON	0	0	0	0	0	0	0	0
WILLIAMSON (P)	0	0	0	0	0	0	0	0
YOUNG (P)	2,610	556	717	358	597	714	853	1,020
	146,524	91,059	105,607	173,772	181,763	217,262	259,694	310,412

Thanks

W. Greg Carter, P.E.

AEP Region 5 Engineering

e-mail: wgcarter@aep.com

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Cell Phone: 903-746-4585

Pirkey Phone 903-927-5896