



Friday January 23 2004

FERC resolves 23 West Coast market gaming charges

Enron lost its market-pricing privilege.

Commissioner Joseph Kelliher agreed and reminded marketers that market-based rates are not a right but a privilege.

Charges were dropped against most but two were denied motions to dismiss the charges — Sempra Energy Trading because a settlement is pending and the Colorado River Commission of Nevada.

The latter body had told FERC it had no paper showing a partnership that was mentioned in the initial show-cause order.

The agency brushed that viewpoint aside

Some litigants settled and FERC OKd those agreements yesterday — American Electric Power (\$45,240), the City of Redding (\$6,300), Puget Sound Energy

(\$17,092), San Diego Gas & Electric (\$27,972) and Williams (\$45,230).

The agency's authority does not include penalty authority but it has the right to order the return of excess profits whatever that may be.

The commission's staff urged dismissal of show-cause orders on the grounds that it could not find enough evidence to show the 23 had gamed the market in 2000-2001, the California crisis period.

Charges were dropped against Constellation Power Source, El Paso Merchant Energy, Eugene Water & Electric Board, Idaho Power, Koch Energy Trading, MIECO and PPM Energy.

Another group included Arizona Public Service, Automated Power Exchange, B.A., LADWP, the Power Exchange, Cargill-Alliant, municipal power firms of Anaheim Azusa, (not Cucamera,) Pasadena and Riverside FPL Energy, the Nordern California Power Agency, Pacific Ga & Electric and its marketing affiliate PGE Phergy Services, Public Service of Colorado, Public Service of New Mexico, Salt River Project, Sierra Pacific Power, Southern California Edison, TransAlta Energy Marketing, Tucson Electric Power and WAPA itself.

Chairman Wood was asked what he would say if California critics say the settlement is not enough considering the state's injury.

FERC's message, Wood replied, is that "we're doing the maximum we can do."







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From: Tim Belden/HOU/ECT

Sent: Monday, July 10, 2000 10:19 AM

To: Chris H Foster/HOU/ECT; Greg Wolfe/HOU/ECT; Stewart Rosman/HOU/ECT; John M

Forney/HOU/ECT

Subject: Get Shorty

First, congratulations on earning so much money on shorting ancillary services last month. It is a beautiful thing. That is textbook Enron. Find a wierd part of the market, try a few things, a bag of money drops out. It is truly impressive.

Second, we need to ensure that proper controls are in place. It has come to my attention that we had some performance issues last week in terms of zeroing out the schedules. We have to get a handle on this. By the end of the week I would like a written procedure outlining a failproof procedure. As part of this procedure, I would like to see a daily log that illustrates what schedules we have in, who put them in, and who is accountable for zeroing them out.

Once again, amazing job on the A/S plays over the last few weeks. I don't mean to rain on your parade or place blame for past mistakes. But I am serious about getting this procedure ironed out and air tight. Once the procedure is ready let's have a meeting to discuss.





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From: Tim Belden/HOU/ECT

Sent: Monday, August 28, 2000 12:36 PM

To: Greg Wolfe/HOU/ECT; Chris H Foster/HOU/ECT
Cc: John M Forney/HOU/ECT; Jeff Richter/HOU/ECT

Subject: Get Shorty Suspended

It has come to my attention that we failed to zero out a "Get Shorty" schedule on Friday. Fortunately, the real time desk was able to fill it. Kim Ward tried to zero it out and put in blanks rather than zeros which doesn't work. This highlights the need to clearly document exactly what is supposed to be done to implement these schedules. For several months I have asked for a written procedure on ancillary service schedules. Nobody has listened to me and mistakes keep happening. Such a mistake occurred in June and is now requiring a \$900k prior month adjustment. On top of that, the California Attorney General is in search of a smoking gun and is looking to find someone who is "gaming" the market. I don't want to provide them with any fuel for their fire.

I AM TEMPORARILY SUSPENDING ALL GET SHORTY ANCILLARY SERVICE ACTIVITY. When I see a written procedure that will be fail proof, and an airtight log that assigns accountability I will be happy to reinstate. The procedure needs to be thorough and thoughtful. The test will be whether someone who knows almost nothing about ISO scheduling can implement the procedure. This is long overdue. Chris or Greg, please let me know how you plan to proceed.





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FOR IMMEDIATE RELEASE

March 29, 2004

Contact: Stephanie McCorkle Director of Communications 1 (888) 516-NEWS

Southern California Heat Wave Sparks Stage One Emergency

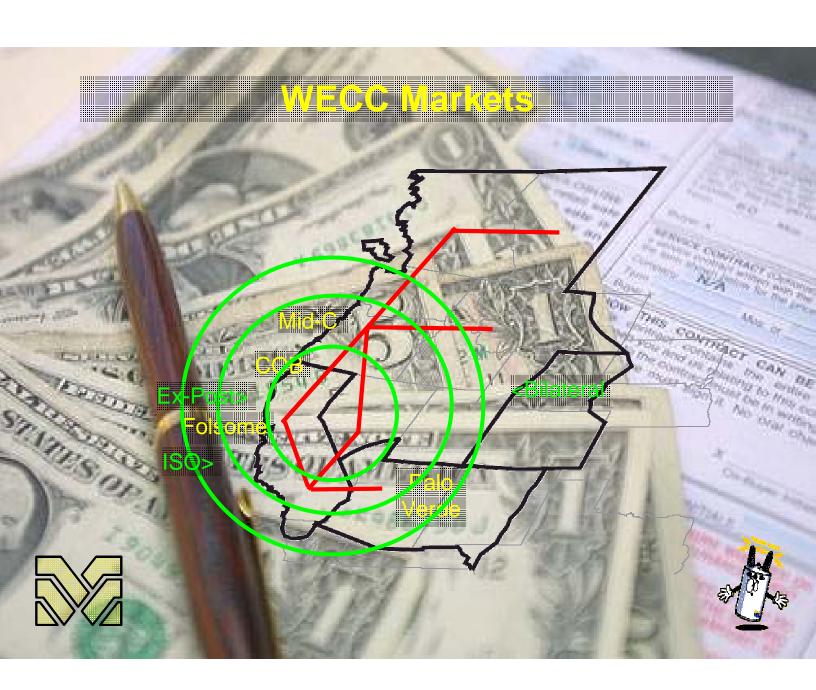
California ISO calls for conservation

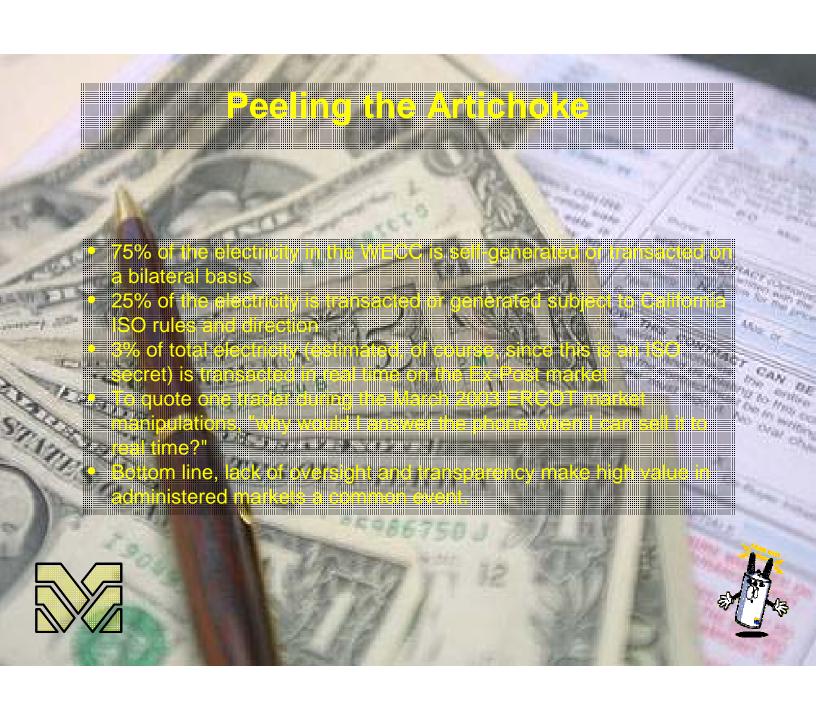
(Folsom, CA) Hot temperatures in Southern California are driving the demand for electricity to unusually high levels for this early in the year, necessitating a Stage One Electrical Emergency today at 1:50 p.m. The Stage One gives the ISO additional authority to require power plants and transmission owners to respond to ISO instructions.

"Temperatures are running about 10 degrees above forecast in Southern California," said Jim Detmers, Vice President for Operations at the California ISO. "We also had 770 megawatts of power plants trip out of service this morning. When outages coincide with high loads, we can quickly run out of options. The Stage One Emergency declaration gives us some more alternatives to draw from."

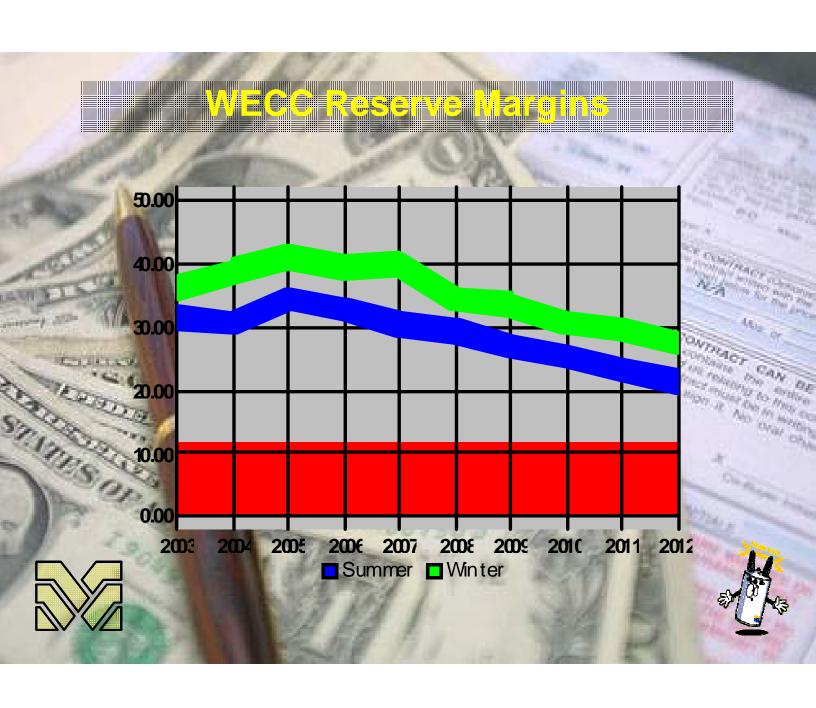
The general public can help out by avoiding the use of heavy electrical appliances and keeping the thermostat no lower than 78 degrees between the hours of 2:00 and 6:00 p.m. today.

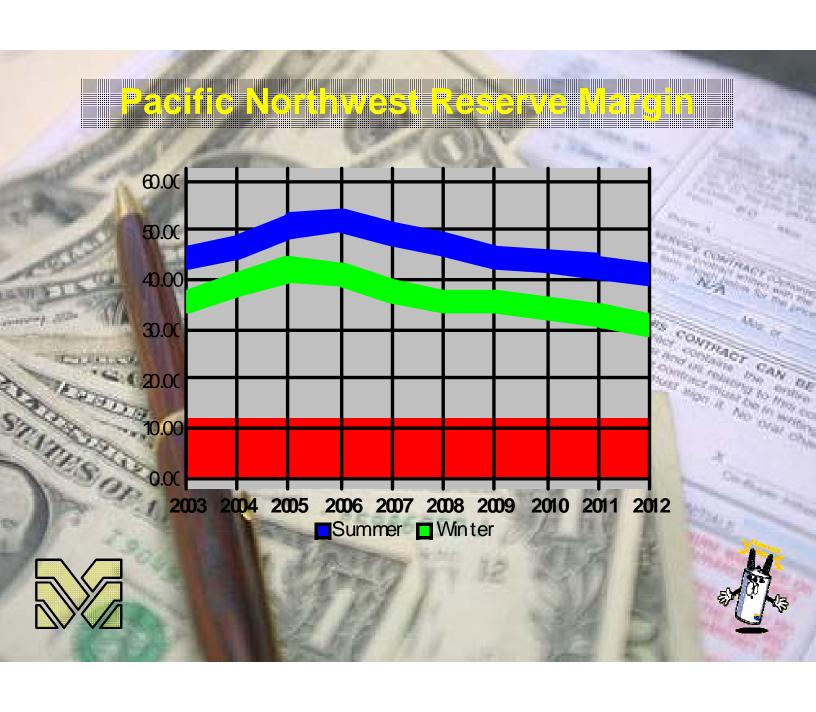


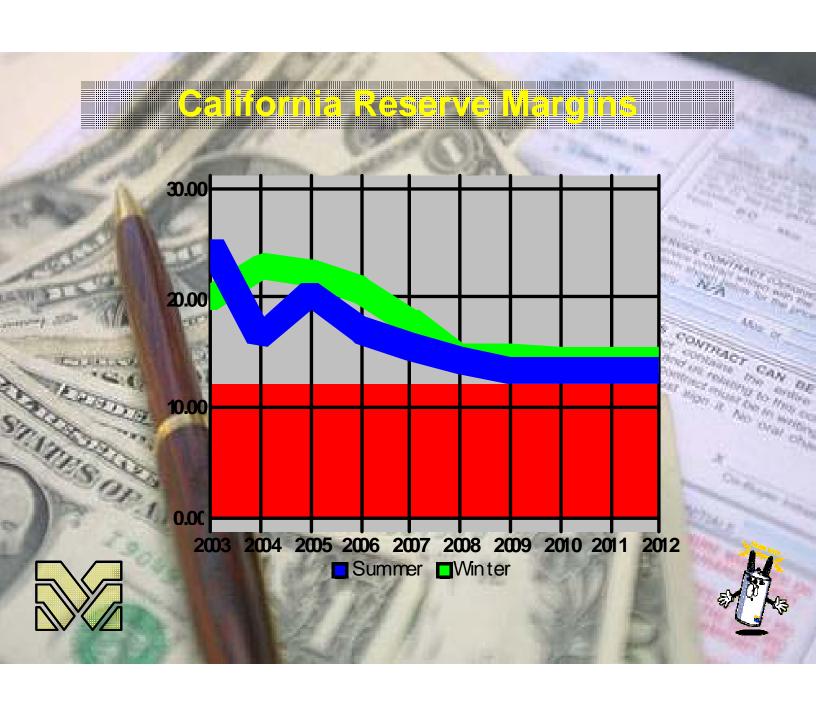


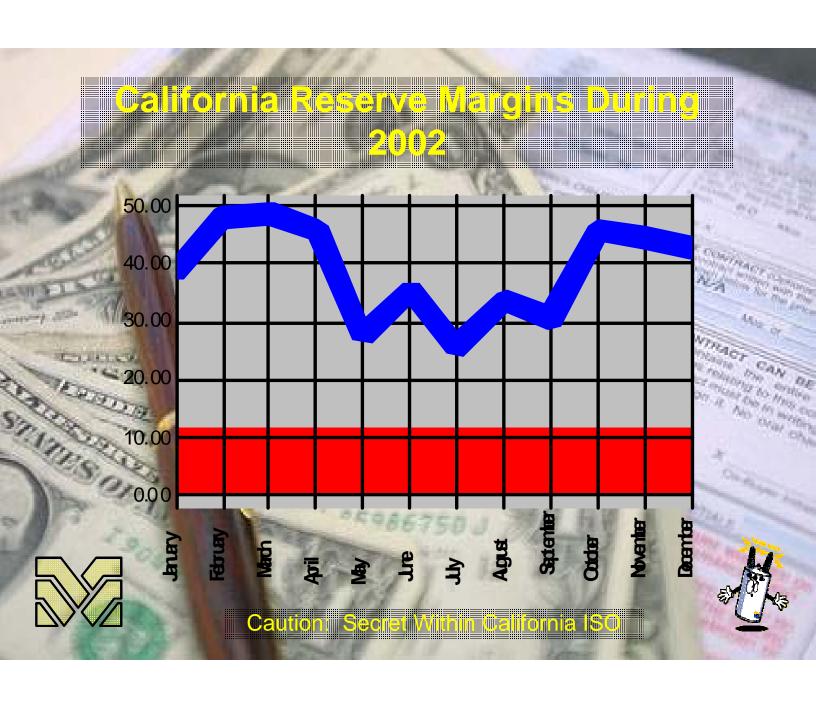


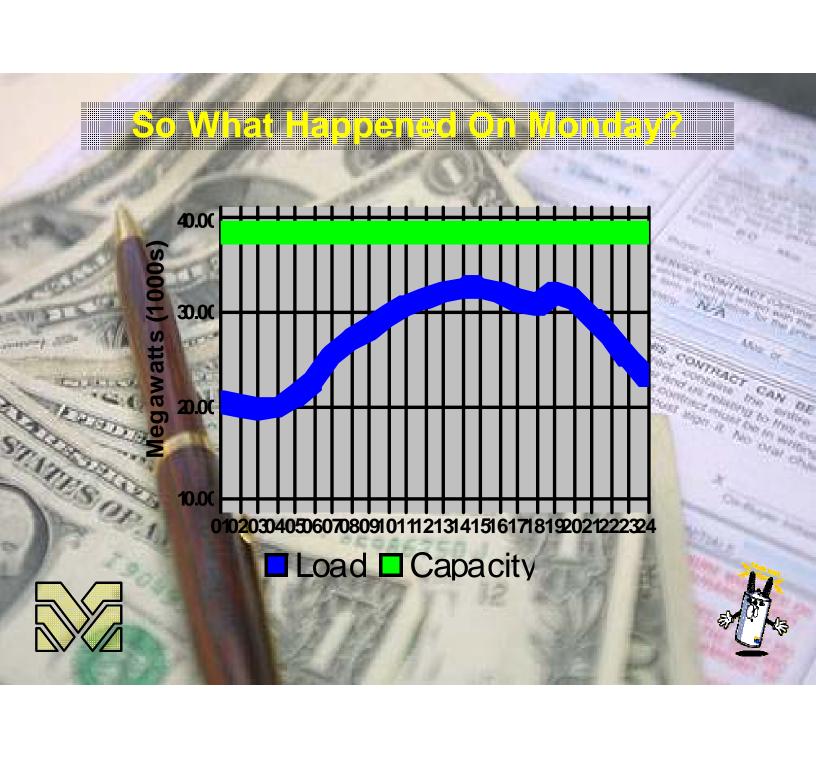












Other Comments: None

Yesterday/Weekend/Holiday Notable Events: At 1124 PST on Monday March 29, 2004 the CAISO declared a Restricted Maintenance Operation due to higher than anticipated temperatures and load. At 1224 the CAISO issued a System Warning due to the high temperatures and load and a loss of resources south of Path 15. At 1350 the CAISO declared a Stage 1 emergency due to an imminent deficiency in Operating Reserves. At 2000 the CAISO terminated the Stage 1 emergency, System Warning and Restricted Maintenance Operation. Stage 2 emergency was not reached and no load was interrupted.

Yesterday's Non-simultaneous Peaks, Reserves, and Generation Limitations at time of Peak											
Area	Peak Demand	Actual I	Reserves	Req. Reserves	Gen. Outages/Limitations						
Northwest SC	42,375	20.5%	8,684	2,966	5,948						
RM/DSW RC	21,922	19.4%	4,245	1,481	2,743						
Calif./MX RC	40,314	9.1%	3,685	2,754	13,748						

Required reserves calculated to be 7% of peak demand.





December 2016 in Europii Repolit

			WIN	TER PEA	<u>K</u>			Adverse	Hydro Co	nditions
	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11	11-12	12-13
Month	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN
Loads - Firm	42017	42940	43881	44843	45828	46818	47817	48826	49856	50921
Int. & Load Mgt	0	0	0	0	0	0	0	0	0	0
Total - MW	42017	42940	43881	44843	45828	46818	47817	48826	49856	50921
Growth from Previous Yr %	6.5	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1
Generation ± Transfers - MW	60787	61941	62954	63475	63526	64302	64170	66571	66503	67820
Maint./Inoperable Cap MW	10446	9178	9314	9342	9516	10688	9437	10720	9493	9613
Reserve Capability MW	8324	9823	9759	9290	8182	6796	6916	7025	7154	7286
Percent of Firm Peak Demand	19.8	22.9	22.2	20.7	17.9	14.5	14.5	14.4	14.3	14.3









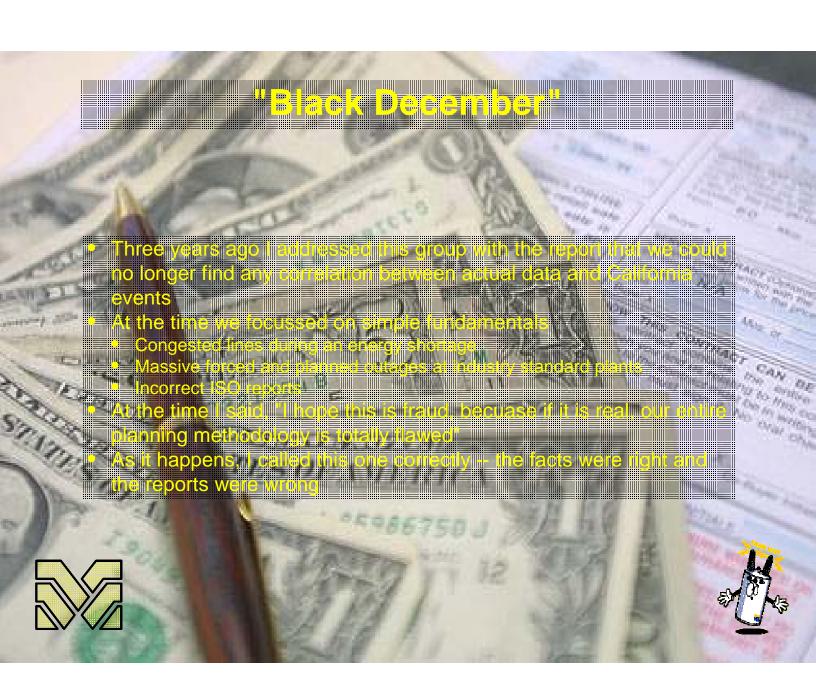
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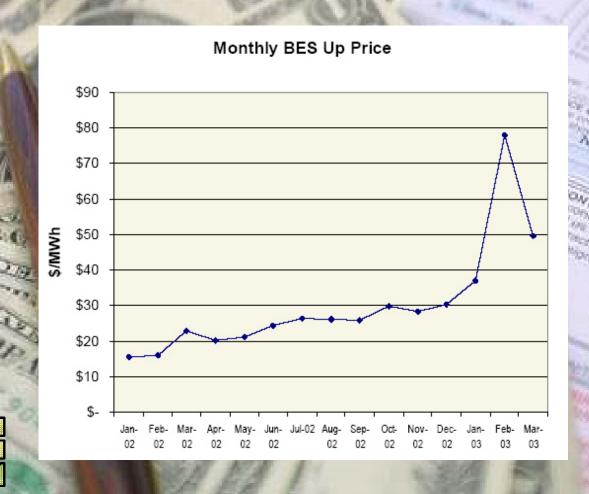








<u> Average Factor Best Illinis Fries</u>s







In ERDOT, an RTO generally regarded as a success, real time prices have frequently business an at 88800 01/Mwh.

The identity of the mental participant who sets this let less.

"signature bid" is a rightly segmented.

While Mr. \$990.01 has been added for slintest two years, his actual market presence is miniscule. — at all of megawatts — even through he is one of the most influenced market because in world Avasses.

Mr. \$990.015 significance is based on the knowledge of the computer computations a under \$200.015 and line (BES) mental ERCOT finally began be actual their mental titles in units siten Mr. \$90.011 researches in cachine in their mental titles in units siten Mr. \$90.011 researches increasing their of market participants.

Use of such signeture cids was are in the opics recorded in their beat in single infamous names, auting the meanings that led to the Youter line (Beath Star" memo.





<mark>Mr. 8990 Phasigned C</mark>ir

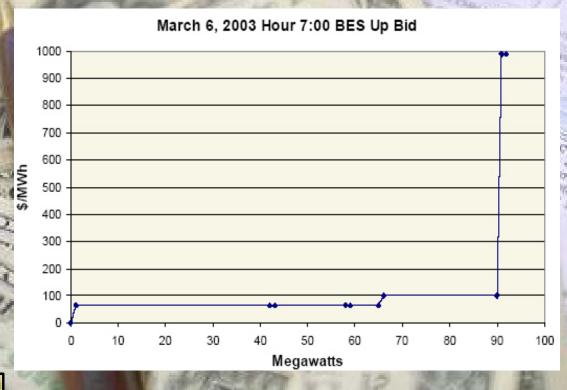






TABLE 3: ESTIMATED 2002/2003 WINTER RESOURCES AND DEMANDS (MW) AND MARGII	NS I	0	%	(ز
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	December				January				February				A CHARLES TO STATE OF
		Net	Available	Available		Net	Available	Available		Net	Available	Available	The second second
	Available 1			_	Available			_	Available			_	On The Land
	Resource	Internal	Capacity	Reserve	Resource	Internal	Capacity	Reserve	Resource	Internal	Capacity	Reserve	U. T. Ten
	8	Demand 2	Margin 3	Margin 4		Demand 2	Margin 3	Margin ⁴		Demand 2	Margin 3	Margin 4	
	(MW)	(MW)	(%)	(%)	(MW)	(MW)	(%)	(%)	(MW)	(MW)	(%)	(%)	The Control of the Co
United State	:5												120/24 - 121
ECAR 5	118,884	81.668	31.3	45.6	121,749	84,394	30.7	44.3	118,215	81,417	31.1	45.2	No. of Page Office
ERCOT	73,849	41.097	44.3	79.7	74,588	43,725	41.4	70.6	74,588	37.183	50.1	100.6	The state
FRCC	46,889	32.924	29.8	42.4	49,166	39.565	19.5	24.3	49,166	34,188	30.5	43.8	de .
MAAC	65,495	41.859	36.1	56.5	66,345	44,015	33.7	50.7	66,345	42,082	36.6		The second second
MAIN	69,162	38,595	44.2	79.2	68,405	39,056	42.9	75.1	67,727	37,095	45.2	82.6	CONTRACT
MAPP	32,330	22.579	30.2	43.2	32,067	22,926	28.5	39.9	32,319	21,692	32.9	49.0	Canada Can
NPCC	60,852	45.540	25.2	33.6	61,136	46.310	24.3	32.0	61,981	45.230	27.0	37.0	
New York	29,619	24.550	17.1	20.6	29,619	24,550	17.1	20.6	29,619	24,550	17.1	20.6	Car Charles for Av BE
NEPOOL.	31,233	20,990	32.8	48.8	31,517	21.760	31.0	44.8	32.362	20,680	36.1	56.5	State of the State
SERC ^{6&7}	167.327	122.302	26.9	36.8	108,916	131.161	22.4	28.8	168,576	126,139	25.2	33.6	The second secon
Entergy	29,023	20.004	31.1	45.1	29,023	18.924	34.8	53.4	29,023	18,443	36.5	57.4	UND CHANGE
Southern	42,101	30.777	26.9	36.8	43,815	34,413	21.5	27.3	44,024	32,715	25.7	34.6	CA S
TVA	31,346	25,001	20.2	25.4	31,610	26,998	14.6	17.1	31,611	25,824	18.3	22.4	170
VACAR	64,384	46.520	27.7	38.4	63,859	50.826	20.4	25.6	63,309	49,157	22.4	22.8	1
SPP	46,935	28,290	39.7	65.9	46,935	28,611	39.0	64.0	46,935	27,346	41.7	71.6	and the second
WECC 6	131,794	96,965	26.4	35.9	131,067	97,143	25.9	34.9	127,858	91,805	28.2	39.3	
NWPP	47,539	35.026	26.3	35.7	48,096	34,816	27.6	38.1	47,862	31,790	33.6	50.6	
RMPA	10,780	8.495	21.2	26.9	10,722	8,279	22.8	29.5	10,652	8,198	23.0	29.9	Elisa .
AZ-NM-SNV	23,691	16,421	30.7	44.3	22,846	16,747	26.7	36.4	21,898	15,684	28.4	39.6	
CA-MX	49,784	37.023	25.6	34.5	49,403	37.301	24.5	32.4	47,446	36,133	23.8	31.3	Million Marie
Total-United States	813,044	551,819	32.1	47.3	819,765	576,906	29.6	42.1	813,101	545,177	33.0	49.1	





Jim Dunkin: "I'd still go the same strategy tomorrow of having plenty on, but cut the load."

Tim Drennan: "Hey, cut -- cut the load, go short, but just hold the price below 100 bucks.

Jim Dunkin: "Yeah, hold the price below 100 bucks. But I wouldn't roll a hundred bucks until I got the CT."

Tim Drennan: "Exactly. That's what I've done. I've got -- I've got -- here is my bid stack right now; 47 bucks, 52, 54, 59. And then I break -- that -- I've got 18 -- well, I had 18. I'm revising it right now, but this is this morning, too. I had 1800 bid in there. And then the – the remaining 1200, it broke over – for that 1801 megawatt, it broke over to 250, 270, 290."

Jim Dunkin: "Okay."

Tim Drennan: "And that's what we did this morning. And what we'll do is we'll just -- we'll pull those prices back and keep it under 100, and I'll pass that on to Chad. And we're going to be fine."



TXU Trader 2: "Did I put Caller ID on that or something?"

Tim Drennan: "No. Well, you do. You've got Caller I.D. I just didn't know who it was. I knew it was a 972 prefix, so I just -- I wanted to make sure it wasn't somebody local here, Garland or somebody like that trying to call me. Oh, City of Garland calls me all the time."

TXU Trader 2: "For what?"

Tim Drennan: "They got a little power plant out there. I think they've got 250, 300 megs. And if they're short, you know, they buy it from me sometimes.

TXU Trader 2: "Is that right?"

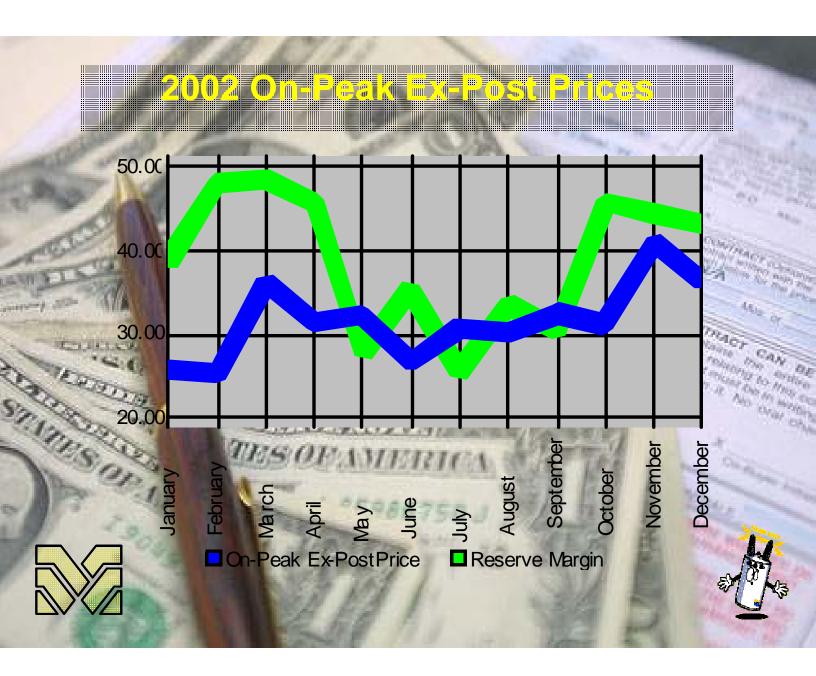
Tim Drennan: "When I -- when I bend them over the bench and give it to them."

(Laughter)















\$50.00 y = 0.0002x - 13.081 $R^2 = 0.2645$ \$40.00 \$30.00 \$20.00 \$10.00 \$0.00 60,000 80,000 100,000 120,000 140,000 160,000 180,000 200,000 20,000 40,000 -\$10.00 -\$20.00 -

\$50.00 y = 0.0007x - 11.929 $R^2 = 0.2804$ \$40.00 \$30.00 \$20.00 \$10.00 \$0.00 25,000 • 30,000 15,000 5,000 35,000 40,000 45,000 -\$10.00 -\$20.00



Reserves in Mey Bing sinc

	August				August 14, 2003 4:00 P.N			
	Resources	Load	Capacity	Reserve	Load	Capacity	Reserve	
			Margin	Margin		Margin	Margin	
	(MW)	(MW)	(%)	(%)	(MW)	(%)	(%)	
ECAR (Eastern Mid-west)	125,786	97,046	22.8%	29.6%				
ERCOT (Texas)	77,563	56,945	26.6%	36.2%				
FRCC (Florida)	46,459	38,823	16.4%	19.7%				
MAAC	65,308	53,337	18.3%	22.4%				
MAIN (Illinois)	63,136	53,544	15.2%	17.9%				
MAPP	34,755	27,885	19.8%	24.6%				
NPCC (NY and NE)	69,465	56,550	18.6%	22.8%				
NYISO	37,756	31,430	16.8%	20.1%	28,709	24.0%	31.5%	
ISO NE	31,709	25,120	20.8%	26.2%	23,347	26.4%	35.8%	
SERC	177,248	150,411	15.1%	17.8%				
Entergy	30,418	25,194	17.2%	20.7%				
Southern	51,422	44,404	13.6%	15.8%				
TVA	31,884	27,368	14.2%	16.5%				
VACAR	64,455	53,445	17.1%	20.6%				
SPP	47,590	38,706	18.7%	23.0%				
WECC	152,976	117,499	23.2%	30.2%				
NWPP	48,251	32,732	32.2%	47.4%				
RMPA	11,531	9,584	16.9%	20.3%				
AZ-NM-S. NV	30,827	24,923	19.2%	23.7%				
CA-Mexico	62,367	50,260	19.4%	24.1%				
Total - U.S.	860,286	690,746	19.7	24.5				
Canada								
MAPP	6,912	5,251	24.0%	31.6%				
NPCC	61,205	45,657	25.4%	34.1%				
Maritime	4,476	2,736	38.9%	63.6%				
IMO (Ontario)	28,102	23,021	18.1%	22.1%	22,258	20.8%	26.3%	
TransÉnergie	28,627	19,900	30.5%	43.9%				
WECC	21,812	15,513	28.9%	40.6%				
Total - Canada	89,929	66,421	26.1%	35.4%				
		,						
Eastern Interconnection	775,427	624,155	19.5%	24.2%				





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