

**STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION**

In the Matter of 2014 Electric Company's
Annual Automatic Adjustment Reports

Docket No. E-999/AA-13-599

REPLY COMMENTS

I. INTRODUCTION

Minnesota Power provides the following Reply Comments in response to the Comments of the Department of Commerce energy Resources Division, dated September 16, 2014, in the above referenced Docket.

II. COMPLIANCE – LESSONS LEARNED

III. Compliances

J. Sharing Lessons Learned Regarding Forced Outages (Docket No. E999/AA-10-884)

Regarding forced outages, the Department requested that utilities provide the following in reply comments to identify solutions to issues:

1. How Minnesota and other utilities can share best practices across utilities in a timely manner (e.g., videos as Xcel describes, electronic bulletins of best practices) to ensure that as many generation plants as possible maximize the days of operation and minimize the number of forced outages.
2. Utilities should discuss any electronic databases that have been developed to share best practices in plant maintenance and repair.

Response:

Minnesota Power belongs to numerous trade organizations. These trade organizations provide various avenues to share information, such as, user group conferences, publications, and member only websites for sharing information and soliciting input with issues. For example, the Fossil Operations and Maintenance Information Service (FOMIS) provides members with access to an electronic user group forum where questions can be submitted for other utilities to answer. This database is searchable to

retrieve previous questions asked by other users and any responses. Similarly, National Hydro Association (NHA) has a Basecamp system for users to submit questions to each other. Independent contractors and vendors provide us with inter-utilities contacts as they have experiences on what works and doesn't work across the industry. In the past, Minnesota Power have had vendors share information on lessons learned from outside our industry, such as, mining and pulp & paper industries located in our area.

The attached table (Attachment A) is a compilation of the Conference, Trade Organizations, Consultants/Vendors and Publications that the Minnesota utilities belong to or attend.

In addition, Minnesota Power has the following internal meetings and training:

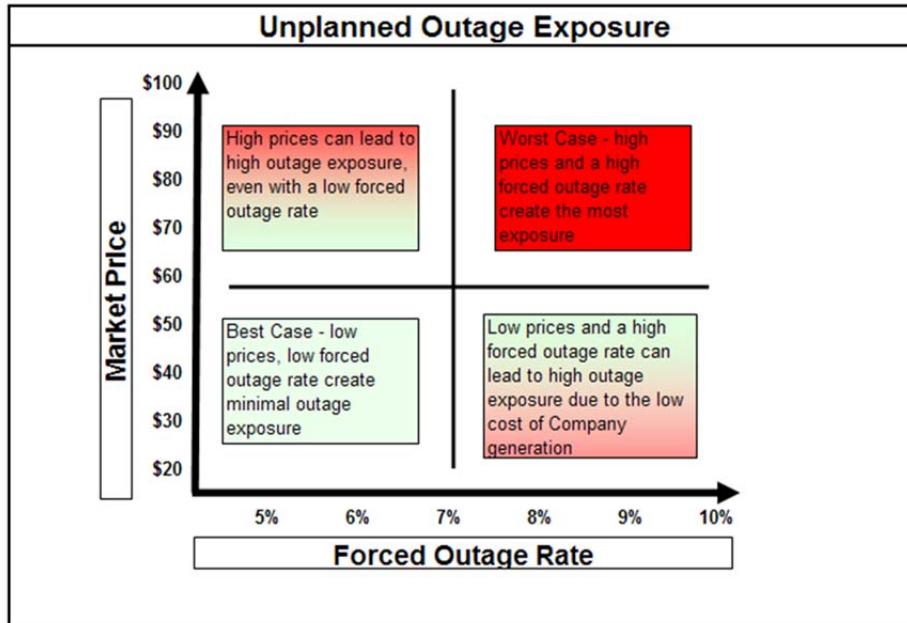
- Reliability University (RU) – Our maintenance practices and reliability programs are constantly being evaluated to continuously improve the skills of our employees and improve equipment reliability. As of this month, October 2014, over 60 employees at the leadership level – maintenance leads, operations and maintenance superintendents, maintenance planners and engineers – have graduated from Reliability University. RU is a 10-week program over an 18 month period which stresses all aspects of equipment maintenance and the tools needed to be proactive rather than reactive to equipment reliability. Precision maintenance and predictive maintenance are key elements of the program and are areas where Minnesota Power is seeing a change in how equipment maintenance is understood. Minnesota Power has also increased our expectations and requirements around tolerances of new and rebuilt equipment and parts. Some other specific elements of this program are condition monitoring, vibration analysis, systems & components, troubleshooting, precision equipment installation & assembly, instrument & process variability and root cause failure analysis.
- Apprenticeship program uses industry best practices
- Quarterly Minnesota Power Generation Maintenance Leadership Meetings
- Quarterly Minnesota Power Generation Operations Superintendent Meetings
- Minnesota Power Generation Operations Reliability Team is a department of engineers that work across our generation fleet.
- Consultants/Vendors/Contractors that perform analysis/work at more than one plant in our fleet.

3. Utilities should discuss their efforts to obtain Business Interruption Insurance due to any factor that causes an unplanned outage or longer than expected planned outage.
4. If utilities have not obtained Business Interruption Insurance, they should provide a full explanation as to why not.

Response:

Minnesota Power (MP) reviews all insurance coverage, including the potential to purchase business interruption insurance, on an annual basis as part of policy renewals. Minnesota Power currently has business interruption coverage for our Bison wind assets and the DC Line converter stations. This coverage was initiated to protect the low cost energy and related production tax credits for MP's customers. Minnesota Power performed a detailed risk assessment and determined that damage to the DC line converter stations, whether caused by a natural event such as a fire or by catastrophic equipment failure, would take significant time (potentially two to three years) to repair due to the unique/customized nature of the equipment and the lead time required to order and manufacture replacement equipment. An extended outage could create significant exposure, even with other mitigation (e.g. spare parts inventory help, using alternative AC transmission system, etc.), so the business interruption coverage was purchased to mitigate this low probability, but potentially high impact exposure.

MP has not purchased business interruption insurance for our thermal generation or hydro generation assets. The decision to not purchase coverage for thermal generation assets was based on reviewing market conditions, the company's expected energy position, and available business interruption coverage terms (premium, strike price, and deductible). The risk assessment methodology for unplanned outage exposure is summarized in the graphic below:



Market prices have remained relatively low and have shown reduced price volatility over the last 5 years. In addition, as thermal generation variable costs have increased over time, the difference between these costs and the wholesale power market costs have decreased. This difference is important when evaluating business interruption coverage because claims are based on these specific parameters. Minnesota Power performed scenario analysis, comparing both expected and stressed forced outage rates and market prices to different business interruption coverage options. Based on this analysis we found that Minnesota Power would not receive a net payout (insurance claims – deductible-premium) under most scenarios, unless we had an extremely high forced outage rate (e.g. over 15%) or average replacement energy purchase prices exceeded an extremely high level (e.g. \$100/MWH+). Based on the low probability of an extremely high forced outage rate or extremely high wholesale market prices, we decided to not initiate coverage on MP’s thermal generation assets

We recently completed an extensive review of our hydro generation coverage, including the potential to add business interruption insurance. Our current property insurance carrier (FM Global) was not willing (past or present) to provide business interruption coverage for our hydro generation assets. Our brokers were able to identify one carrier that would provide coverage, but the premium was approximately three times higher than what Minnesota Power currently pays. Minnesota Power compared the potential cost of this coverage to a current unit-by-unit risk assessment and determined that we would not purchase coverage at this time. The major driver of this decision was the recent repairs

completed to meet a higher FERC standard, reducing the probability of another significant event at MP's largest hydro facility.

5. Utilities should discuss any revisions of language in contracts with contractors working on plants to increase the contractor's accountability in minimizing the length of the outage and ensuring that the plant runs smoothly.
6. Utilities should discuss any efforts to recoup replacement power costs from contractors that worked on plants that subsequently had outages or any other source of reimbursement for replacement power costs.
7. If utilities did not pursue any reimbursement for replacement power costs, utilities should provide a full explanation as to why not.

Response:

Minnesota Power engages in rigorous and disciplined contract negotiation and contractor management activities. With regard to contractor selection, Minnesota Power is often limited by the number of qualified contractors who have the expertise and knowledge needed to provide equipment and services for our plants. In contract negotiations, Minnesota Power balances operational considerations and risk transfer and mitigation measures to reach a commercially reasonable agreement. Primary among our operational considerations are clear and thorough contract specifications, warranty provisions, performance guarantees (as appropriate) and active project management provisions (such as subcontractor and change management control). With regard to work conducted during planned outages, Minnesota Power is careful to include a realistic schedule for all work conducted during planned outages. Minnesota Power's schedules include critical milestone dates and an active project management role for Minnesota Power to mitigate the risk of scheduled work prolonging an outage. Minnesota Power may also include liquidated damages in these contracts to ensure that contractors are on schedule and paying attention to the milestones. In our industry, major contractors are able to require limitation of liability provisions that may impact Minnesota Power's ability to hold a contractor accountable for all losses that could be caused by that contractor. In Minnesota Power's experience, many contractors will refuse to provide equipment or services if they cannot also limit their potential liability and financial exposure in the contract. In situations where a contract would allow for recovery of replacement power costs and a contractor would be responsible for those costs, Minnesota Power would actively pursue recovery from the contractor. Minnesota Power does not specifically include a contract provision that requires a contractor to pay replacement power costs; however, contract remedies would allow for recovery of those costs if Minnesota Power could prove that the contractor caused the loss and there was nothing in the contract to limit or waive that recovery.

8. Utilities should provide the dates and duration of their scheduled and forced outages by plant since 2001.

Response:

Attachment B contains Generation Availability Data System (GADS) data for scheduled and forced outages by plant since 2001. The data corresponds to outage data already filed with the Department from 2007 through June 2013. Filing of outage data prior to 2007 was not part of the monthly or annual Fuel Clause filings. The data has been reviewed and presented for outages that would have been reported during that time frame had the reporting requirement been in effect.

9. Utilities should discuss the general factors utilities consider in scheduling planned outages.

Response:

Planned outages are scheduled based on the below factors in no particular order.

- Inspection intervals based on Original Equipment Manufacturer (OEM) recommendations and equipment history, and ongoing testing.
- Insurance recommendations
- Regulatory requirements
- Plant operating history
- Historical and projected system load and market conditions (customer load and replacement energy market prices)
- Transmission outage schedule
- Outage opportunities which minimize the impacts to customers, i.e., when offline for another event, take advantage of the outage opportunity to do work and avoid a future planned/unplanned outage

III. MISO DAY 2 EFFECTS

VIII. Effects of MISO Day 2 on Minnesota Ratepayers

C. Overall Review of MISO Day 2 Charges

2. Review of MP's MISO Day 2 Charges

The Department recommended that MP provide in reply comments the additional information requested regarding its January 2013 Day-Ahead Congestion Charges.

Response:

During January 2013 there were several unique transmission outages that caused increased Day-Ahead Congestion Charges. These outages affect the North Shore Loop which causes congestion on Minnesota Power's system; unfortunately, these outages occurred at the same time as generation outages on the MISO system, which resulted in the higher than normal congestion charges.

- The 80 Line between Minntac and the Forbes line tripped off due to ice on the static wire.
- The 39 Line also came off line due to icing for one day.
- The 907 Line by Littlefork that connects to Manitoba Hydro had low gas pressure and came off line.
- The Phase Shifter at International Falls experienced issues.
- One of the Taconite Harbor Units tripped off line.

IV. CONCLUSION

Minnesota Power appreciates the opportunity to provide the Reply Comments in this Docket.

Dated: November 10, 2014

Respectfully submitted,



Christopher D. Anderson
MINNESOTA POWER
Associate General Counsel
30 West Superior Street
Duluth, MN 55802
218-723-3961

	<i>Xcel Energy</i>	<i>MP</i>	<i>OTP</i>	<i>IPL</i>
CONFERENCES				
B&W Cyclone Users Group	X		X	
Bentley-Nevada Vibration Monitoring training	X		X	X
CEMs User Conference (EPRI)	X		X	
Electric Power Conference	X			X
Energy Generation Conference, Bismarck, ND	X		X	
Energy, Utility & Environment Conference (EUEC)		X		X
ESC Users Conference (CEMS Software)	X		X	
GADS Data Reporting Workshop	X	X	X	
Honeywell Control System Users Group			X	
HydroVision		X		
Hydrovision Internaional		X		
InterTek (AWARE) Users Group				X
Lignite Energy Council			X	
National Coal Trnspotation Association (NTCA)			X	X
Ovation Control System Users	X		X	X
Power Gen Conference (Orlando, FL)	X		X	X
Power Plant Managers Summit	X		X	
Siemens Steam Turbine Users Group	X		X	
Tripartite Meetings (Union Labor for outages)			X	
Turbine Generator Inspection Training			X	X
Xcel Energy Boiler Conference	X			X
TRADE ORGANIZATIONS				
American Wind Energy Association (AWEA)		X	X	
Assoc. of Edison Illuminating Companies (AEIC)		X		
American Coal Council				X
Boiler and Turbine Steam and Cycle Chemistry (EPRI)				X
Boiler Life and Availability Improvement Program (EPRI)				X
Combined Cycle HRSG and Balance of Plant (EPRI)				X
Combined Cycle Turbomachinery (EPRI)				X
Combustion Turbine Operations Technical Forum	X			X not a member - has access
Contractor Safety Summit	X			
Dry Scrubber Users Association (DSUA)	X	X		X not a member - has access
Edison Electric Institute (EEI)		X	X	X
Electric Power Research Institute (EPRI)		X		X
Fossil Operations and Maintenance Info Service (FOMIS)	X not a member - has access	X		X not a member - has access
GE7FA User's Group	X			X
Generation Maintenance Applications Center (EPRI)				X
Heat Recovery Steam Generator User Group (HRSG)	X			
Maximo Utility Working Group (MUWG)		X		periodically
Midwest Hydro Users Group (MHUG)		X		
Mitsubishi Combustion Turbine Group	X			

	<i>Xcel Energy</i>	<i>MP</i>	<i>OTP</i>	<i>IPL</i>
MN Resource Recovery Assoc (MRRRA, Refuse Derived Fuel Plants)	X			
MN Safety Council	X			
National Hydropower Association (NHA)		X		
National Safety Council	X			
Power-Gen International		X		
Power Plant Director & Manager Group (EPRI)	X			
Predictive Maintenance	X			
PRB Coal Users' Group (Power River Basin)	X	X		X
Selective Catalytic Reduction (SCR) User Group	X			
Steam Turbines-Generators and Auxiliary Systems (EPRI)				X
Utility Variable Integration Group (UVIG)		X		
Western Coal Traffic League (WCTL)		X		
Western Turbine User's Group			X	
Mid-western Turbine User's Group			X	
CONSULTANTS / VENDORS / CONTRACTORS				
AAB Group	X	X		
Acuren	X	X		
Alstom	X	X	X	X
Babcock Power	X	X	X	X
BARR Engineering		X	X	
BHA Claror		X	X	
Black & Veatch	X	X	X	
Burns & McDonnell	X	X	X	X
Cylde Bergemann Power Group	X	X	X	
FB Global		X		
GE	X	X		
Hamon Corporation		X	X	
Honeywell	X	X	X	
Hunt Electric	X	X		
Invensys-Foxboro	X	X		
Lakehead Constructors		X		
Leidos Engineering		X		
Mitsubishi Hitachi Power Systems	X	X		
Moorhead Machinery & Boiler Co.	X	X	X	
Reliability Solutions		X		
Sheppard T. Power Associates		X		
Siemens Power Generation	X	X	X	X
Sargent & Lundy			X	X
The Boldt Company	X	X	X	
The Jamar Company	X	X	X	X
Thielsch Engineering	X	X	X	X
United Dynamics Corporation (UDC)				X
Wisconsin School of Business (Project Management Process)				X
PUBLICATIONS				
Chemical Engineering				X

	<i>Xcel Energy</i>	<i>MP</i>	<i>OTP</i>	<i>IPL</i>
Energy & Mining		X		
Energy Technology		X		
OEM Technical Bulletins	X		X	
Power Engineering	X	X	X	X
Power Magazine	X	X	X	X
Underground Focus		X		
Wind Systems		X		
Windpower Monthly		X		

Unit	Type	Start	End	Equivalent Hours
BEC 4	Unplanned Outage	1/2/2001 22:17	1/5/2001 8:00	57.72
BEC 3	Unplanned Outage	1/12/2001 22:45	1/13/2001 18:15	19.50
BEC 3	Unplanned Outage	2/18/2001 19:38	2/20/2001 18:34	46.93
BEC 3	Unplanned Outage	3/2/2001 23:44	3/4/2001 7:05	31.35
BEC 2	Unplanned Outage	3/16/2001 22:00	3/18/2001 10:21	36.35
BEC 3	Planned Outage	3/16/2001 23:54	5/11/2001 19:57	1339.05
BEC 1	Unplanned Outage	3/17/2001 2:35	3/18/2001 0:55	22.33
LEC 2	Unplanned Outage	3/31/2001 9:00	4/2/2001 3:10	41.17
BEC 2	Unplanned Outage	4/7/2001 0:18	4/8/2001 6:51	30.55
BEC 1	Unplanned Outage	4/27/2001 23:30	4/30/2001 7:08	55.63
BEC 2	Unplanned Outage	4/28/2001 22:53	4/30/2001 1:54	27.02
BEC 2	Unplanned Outage	5/3/2001 7:19	5/4/2001 13:45	30.43
LEC 1	Planned Outage	5/12/2001 19:15	5/21/2001 13:04	209.82
LEC 2	Planned Outage	5/16/2001 0:02	5/24/2001 6:00	197.97
BEC 3	Planned Outage	5/19/2001 0:41	5/19/2001 18:27	17.77
LEC 1	Unplanned Outage	5/22/2001 9:30	5/23/2001 2:05	16.58
LEC 2	Unplanned Outage	5/24/2001 6:00	5/25/2001 0:12	18.20
BEC 4	Unplanned Outage	5/26/2001 0:07	5/29/2001 3:48	75.68
BEC 3	Unplanned Outage	6/1/2001 22:28	6/3/2001 8:27	33.98
LEC 2	Unplanned Outage	6/4/2001 18:50	6/5/2001 8:50	14.00
BEC 3	Unplanned Outage	7/27/2001 22:41	7/29/2001 12:39	37.97
BEC 4	Unplanned Outage	8/30/2001 7:10	9/1/2001 4:16	45.10
BEC 3	Unplanned Outage	8/30/2001 19:50	9/1/2001 1:56	30.10
BEC 4	Unplanned Outage	9/7/2001 19:55	9/9/2001 23:09	51.23
BEC 3	Unplanned Outage	9/8/2001 23:25	9/9/2001 23:30	24.08
BEC 3	Unplanned Outage	9/9/2001 23:30	9/10/2001 16:30	17.00
BEC 2	Planned Outage	9/21/2001 21:00	9/29/2001 18:30	189.50
BEC 3	Unplanned Outage	9/22/2001 0:26	9/23/2001 3:26	27.00
BEC 2	Unplanned Outage	9/29/2001 18:52	9/29/2001 20:33	1.68
BEC 4	Unplanned Outage	10/13/2001 0:12	10/14/2001 2:23	26.18
LEC 1	Planned Outage	10/13/2001 0:20	10/21/2001 9:45	201.42
LEC 2	Planned Outage	10/13/2001 22:36	10/21/2001 23:50	193.23
BEC 3	Unplanned Outage	10/25/2001 23:12	10/29/2001 15:19	89.12
LEC 2	Unplanned Outage	11/8/2001 15:35	11/8/2001 21:40	6.08
LEC 2	Unplanned Outage	11/8/2001 21:40	11/9/2001 18:05	20.42

Unit	Type	Start	End	Equivalent Hours
BEC 2	Unplanned Outage	11/16/2001 19:00	11/17/2001 20:30	25.50
BEC 4	Unplanned Outage	12/4/2001 4:17	12/6/2001 21:45	65.47
LEC 2	Unplanned Outage	12/23/2001 16:00	12/23/2001 17:45	1.75
LEC 2	Unplanned Outage	12/23/2001 18:40	12/24/2001 18:00	23.33
BEC 3	Unplanned Outage	12/29/2001 0:20	12/30/2001 2:38	26.30
BEC 2	Unplanned Outage	1/12/2002 21:52	1/13/2002 18:58	21.10
BEC 4	Unplanned Outage	3/2/2002 0:49	3/3/2002 4:10	27.35
BEC 3	Unplanned Outage	3/6/2002 23:52	3/8/2002 1:29	25.62
LEC 1	Planned Outage	3/19/2002 22:27	3/24/2002 21:05	118.63
LEC 2	Planned Outage	3/21/2002 22:15	3/26/2002 23:00	120.75
LEC 1	Unplanned Outage	3/25/2002 22:05	3/29/2002 2:52	76.78
LEC 2	Unplanned Outage	3/26/2002 23:00	3/27/2002 2:35	3.58
BEC 4	Unplanned Outage	4/3/2002 9:22	4/7/2002 18:02	103.67
BEC 3	Unplanned Outage	4/4/2002 7:47	4/5/2002 15:21	31.57
BEC 1	Planned Outage	4/12/2002 23:49	5/25/2002 12:00	1020.18
LEC 2	Planned Outage	4/15/2002 20:47	4/16/2002 14:25	17.63
LEC 1	Unplanned Outage	4/18/2002 1:31	4/19/2002 1:45	24.23
BEC 2	Planned Outage	4/19/2002 23:34	4/22/2002 23:10	71.60
BEC 4	Planned Outage	4/27/2002 0:56	5/20/2002 0:00	551.07
THEC 3	Unplanned Outage	4/29/2002 23:00	5/1/2002 13:13	38.22
THEC 2	Unplanned Outage	5/1/2002 16:00	5/3/2002 4:43	36.72
BEC 4	Unplanned Outage	5/20/2002 0:00	5/23/2002 5:57	77.95
THEC 2	Unplanned Outage	5/23/2002 11:10	5/29/2002 8:00	140.83
BEC 4	Unplanned Outage	5/23/2002 17:23	5/25/2002 8:53	39.50
BEC 3	Planned Outage	5/24/2002 23:13	5/28/2002 0:00	72.78
BEC 1	Planned Outage	5/25/2002 12:00	5/26/2002 12:00	24.00
BEC 4	Unplanned Outage	5/25/2002 16:40	5/27/2002 9:01	40.35
BEC 1	Planned Outage	5/26/2002 12:00	5/29/2002 4:59	64.98
THEC 1	Unplanned Outage	6/5/2002 15:21	6/6/2002 10:22	19.02
THEC 3	Unplanned Outage	6/6/2002 22:56	6/8/2002 10:10	35.23
THEC 1	Unplanned Outage	6/8/2002 3:45	6/13/2002 8:00	124.25
LEC 2	Unplanned Outage	6/10/2002 22:14	6/13/2002 23:25	73.18
THEC 1	Unplanned Outage	6/13/2002 8:00	6/14/2002 15:00	31.00
THEC 3	Unplanned Outage	6/14/2002 9:27	6/16/2002 14:00	52.55
THEC 1	Unplanned Outage	6/27/2002 9:44	6/28/2002 12:55	27.18

Unit	Type	Start	End	Equivalent Hours
THEC 3	Unplanned Outage	6/29/2002 22:42	7/1/2002 6:58	32.27
BEC 3	Unplanned Outage	7/12/2002 23:17	7/13/2002 21:42	22.42
THEC 3	Unplanned Outage	7/19/2002 18:21	7/20/2002 8:00	13.65
THEC 3	Unplanned Outage	7/20/2002 8:00	7/20/2002 13:14	5.23
THEC 1	Unplanned Outage	8/7/2002 0:10	8/8/2002 5:22	29.20
BEC 4	Unplanned Outage	8/8/2002 8:30	8/9/2002 6:36	22.10
BEC 4	Unplanned Outage	8/9/2002 7:30	8/10/2002 9:13	25.72
THEC 1	Unplanned Outage	8/16/2002 22:16	8/22/2002 8:24	130.13
THEC 3	Unplanned Outage	8/20/2002 12:15	8/24/2002 7:00	90.75
THEC 2	Unplanned Outage	8/20/2002 13:55	8/27/2002 23:00	177.08
THEC 3	Unplanned Outage	8/24/2002 7:00	8/25/2002 7:00	24.00
THEC 2	Unplanned Outage	8/27/2002 23:00	8/29/2002 8:58	33.97
LEC 1	Planned Outage	9/7/2002 23:30	9/17/2002 23:00	239.50
LEC 2	Planned Outage	9/9/2002 23:17	9/19/2002 23:32	240.25
LEC 1	Planned Outage	9/17/2002 23:00	9/18/2002 11:24	12.40
THEC 2	Unplanned Outage	9/18/2002 9:53	9/19/2002 8:45	22.87
BEC 2	Unplanned Outage	9/20/2002 23:26	9/23/2002 1:16	49.83
BEC 3	Planned Outage	9/27/2002 23:03	10/1/2002 0:00	72.95
THEC 1	Unplanned Outage	9/30/2002 23:00	10/1/2002 11:32	12.53
BEC 3	Unplanned Outage	10/1/2002 0:00	10/1/2002 21:14	21.23
BEC 1	Planned Outage	10/3/2002 22:57	10/6/2002 14:02	63.08
THEC 2	Planned Outage	10/19/2002 11:55	10/25/2002 0:00	132.08
THEC 2	Unplanned Outage	10/25/2002 0:00	10/25/2002 9:40	9.67
BEC 2	Unplanned Outage	10/25/2002 15:08	10/25/2002 23:00	7.87
BEC 2	Planned Outage	10/25/2002 23:00	10/28/2002 1:06	51.10
THEC 3	Planned Outage	10/25/2002 23:45	10/31/2002 10:30	131.75
THEC 1	Unplanned Outage	11/2/2002 2:09	11/17/2002 15:25	373.27
LEC 2	Unplanned Outage	11/20/2002 19:45	11/21/2002 11:58	16.22
BEC 4	Planned Outage	11/20/2002 23:58	11/24/2002 23:00	95.03
LEC 2	Unplanned Outage	11/24/2002 22:54	11/29/2002 16:25	113.52
BEC 4	Planned Outage	11/24/2002 23:00	11/25/2002 6:07	7.12
LEC 1	Unplanned Outage	11/24/2002 23:54	11/29/2002 5:55	102.02
THEC 2	Unplanned Outage	11/28/2002 23:15	11/30/2002 2:42	27.45
THEC 1	Unplanned Outage	11/30/2002 4:05	12/2/2002 3:27	47.37
THEC 3	Unplanned Outage	12/2/2002 22:06	12/4/2002 17:04	42.97

Unit	Type	Start	End	Equivalent Hours
THEC 2	Unplanned Outage	12/3/2002 0:20	12/4/2002 4:46	28.43
THEC 2	Unplanned Outage	12/5/2002 13:22	12/7/2002 4:24	39.03
BEC 3	Unplanned Outage	12/8/2002 19:00	12/10/2002 7:00	36.00
THEC 1	Unplanned Outage	12/9/2002 22:40	12/11/2002 3:20	28.67
THEC 1	Unplanned Outage	12/11/2002 3:20	12/11/2002 4:34	1.23
LEC 2	Unplanned Outage	12/22/2002 20:53	12/24/2002 17:00	44.12
THEC 1	Unplanned Outage	12/26/2002 23:22	12/28/2002 3:57	28.58
THEC 3	Unplanned Outage	12/30/2002 22:14	12/31/2002 20:00	21.77
THEC 3	Unplanned Outage	1/1/2003 0:00	1/2/2003 4:42	28.70
THEC 2	Unplanned Outage	1/10/2003 22:30	1/12/2003 5:00	30.50
THEC 2	Unplanned Outage	1/12/2003 5:00	1/12/2003 9:56	4.93
THEC 3	Unplanned Outage	1/17/2003 23:40	1/19/2003 8:00	32.33
THEC 2	Unplanned Outage	1/30/2003 12:28	2/1/2003 5:17	40.82
BEC 3	Unplanned Outage	2/22/2003 15:40	2/23/2003 23:18	31.63
BEC 4	Unplanned Outage	2/25/2003 6:02	2/25/2003 7:47	1.75
BEC 4	Unplanned Outage	2/25/2003 8:24	2/26/2003 5:39	21.25
LEC 2	Planned Outage	2/28/2003 23:40	3/16/2003 0:00	360.33
LEC 1	Planned Outage	3/1/2003 23:50	3/14/2003 15:27	303.62
THEC 3	Unplanned Outage	3/6/2003 9:01	3/6/2003 19:00	9.98
THEC 3	Unplanned Outage	3/6/2003 19:00	3/7/2003 0:45	5.75
BEC 3	Unplanned Outage	3/9/2003 21:12	3/11/2003 5:12	32.00
BEC 1	Unplanned Outage	3/14/2003 21:35	3/16/2003 4:00	30.42
BEC 3	Planned Outage	3/14/2003 23:20	4/15/2003 1:31	745.18
BEC 2	Unplanned Outage	3/15/2003 22:25	3/17/2003 2:04	27.65
LEC 2	Planned Outage	3/16/2003 0:00	3/17/2003 19:30	43.50
BEC 1	Unplanned Outage	3/16/2003 4:00	3/17/2003 4:47	24.78
LEC 2	Unplanned Outage	3/17/2003 20:30	3/18/2003 17:05	20.58
LEC 2	Unplanned Outage	3/18/2003 23:10	3/19/2003 0:10	1.00
LEC 2	Unplanned Outage	3/19/2003 0:30	3/19/2003 13:20	12.83
THEC 3	Unplanned Outage	3/21/2003 18:45	3/23/2003 6:56	36.18
LEC 2	Unplanned Outage	3/23/2003 8:20	3/25/2003 7:15	46.92
THEC 2	Unplanned Outage	3/27/2003 22:27	3/29/2003 8:20	33.88
BEC 4	Unplanned Outage	3/29/2003 1:02	3/31/2003 4:44	51.70
THEC 3	Unplanned Outage	4/2/2003 23:10	4/6/2003 1:15	74.08
BEC 2	Planned Outage	4/8/2003 22:59	5/27/2003 0:00	1153.02

Unit	Type	Start	End	Equivalent Hours
BEC 4	Unplanned Outage	4/11/2003 11:05	4/12/2003 22:55	35.83
BEC 1	Unplanned Outage	4/13/2003 3:56	4/14/2003 1:22	21.43
THEC 2	Unplanned Outage	4/16/2003 23:05	4/18/2003 5:05	30.00
THEC 1	Planned Outage	4/18/2003 1:28	4/25/2003 9:20	175.87
LEC 1	Unplanned Outage	4/22/2003 10:38	4/23/2003 23:30	36.87
THEC 2	Planned Outage	4/25/2003 13:27	5/7/2003 16:29	291.03
BEC 3	Unplanned Outage	4/26/2003 21:56	4/27/2003 22:56	25.00
BEC 3	Unplanned Outage	5/4/2003 15:42	5/7/2003 12:09	68.45
BEC 3	Unplanned Outage	5/7/2003 16:08	5/8/2003 10:00	17.87
THEC 3	Planned Outage	5/7/2003 21:54	5/14/2003 0:00	146.10
THEC 2	Unplanned Outage	5/11/2003 0:02	5/11/2003 21:24	21.37
THEC 3	Planned Outage	5/14/2003 0:00	5/14/2003 14:27	14.45
BEC 3	Unplanned Outage	5/19/2003 23:42	5/20/2003 19:39	19.95
BEC 4	Unplanned Outage	5/23/2003 21:27	5/26/2003 23:00	73.55
BEC 4	Planned Outage	5/26/2003 23:00	6/1/2003 13:45	134.75
BEC 2	Unplanned Outage	5/27/2003 8:59	5/27/2003 10:59	2.00
BEC 2	Planned Outage	5/27/2003 10:59	5/28/2003 15:57	28.97
THEC 3	Unplanned Outage	6/5/2003 14:45	6/5/2003 17:16	2.52
THEC 3	Unplanned Outage	6/5/2003 17:16	6/7/2003 16:00	46.73
BEC 1	Unplanned Outage	6/5/2003 21:14	6/7/2003 2:05	28.85
BEC 2	Unplanned Outage	6/7/2003 5:55	6/8/2003 21:38	39.72
LEC 2	Unplanned Outage	6/8/2003 2:07	6/8/2003 9:00	6.88
LEC 2	Planned Outage	6/8/2003 9:00	6/9/2003 17:00	32.00
BEC 2	Unplanned Outage	6/9/2003 9:26	6/9/2003 14:05	4.65
BEC 2	Unplanned Outage	6/9/2003 14:05	6/10/2003 13:37	23.53
LEC 2	Unplanned Outage	6/9/2003 17:00	6/12/2003 9:40	64.67
THEC 3	Unplanned Outage	6/27/2003 22:16	6/28/2003 16:00	17.73
BEC 2	Unplanned Outage	7/2/2003 18:40	7/3/2003 9:30	14.83
BEC 4	Unplanned Outage	7/6/2003 11:49	7/7/2003 15:31	27.70
THEC 2	Unplanned Outage	7/7/2003 23:34	7/8/2003 19:47	20.22
THEC 3	Unplanned Outage	7/30/2003 16:22	7/31/2003 5:00	12.63
THEC 3	Unplanned Outage	7/31/2003 5:00	7/31/2003 9:47	4.78
BEC 4	Unplanned Outage	8/9/2003 23:14	8/10/2003 20:03	20.82
LEC 2	Unplanned Outage	8/21/2003 22:32	8/24/2003 17:00	66.47
BEC 3	Unplanned Outage	8/22/2003 22:33	8/25/2003 3:26	52.88

Unit	Type	Start	End	Equivalent Hours
LEC 2	Unplanned Outage	8/24/2003 17:00	8/25/2003 15:15	22.25
THEC 2	Unplanned Outage	8/29/2003 22:32	9/1/2003 3:57	53.42
THEC 1	Planned Outage	9/6/2003 1:21	9/12/2003 6:38	149.28
THEC 3	Planned Outage	9/19/2003 22:51	9/26/2003 10:12	155.35
BEC 4	Unplanned Outage	9/21/2003 18:30	9/23/2003 3:27	32.95
THEC 1	Unplanned Outage	9/28/2003 5:15	9/29/2003 1:23	20.13
BEC 4	Unplanned Outage	10/7/2003 22:45	10/10/2003 1:19	50.57
BEC 2	Planned Outage	10/10/2003 22:32	10/13/2003 1:08	50.60
THEC 3	Unplanned Outage	10/17/2003 22:46	10/19/2003 3:45	28.98
BEC 1	Planned Outage	10/18/2003 0:10	10/20/2003 2:06	49.93
LEC 2	Unplanned Outage	10/23/2003 21:43	10/25/2003 21:05	47.37
BEC 2	Unplanned Outage	11/7/2003 22:44	11/8/2003 16:09	17.42
BEC 1	Unplanned Outage	11/21/2003 22:39	11/22/2003 21:47	23.13
THEC 3	Unplanned Outage	11/21/2003 23:22	11/23/2003 6:40	31.30
LEC 1	Unplanned Outage	11/27/2003 14:10	11/30/2003 2:15	60.08
BEC 3	Planned Outage	11/28/2003 22:17	12/1/2003 0:00	49.72
BEC 3	Planned Outage	12/1/2003 0:00	12/1/2003 6:44	6.73
LEC 1	Unplanned Outage	12/2/2003 22:25	12/3/2003 14:35	16.17
THEC 1	Unplanned Outage	12/6/2003 0:28	12/7/2003 5:37	29.15
LEC 2	Unplanned Outage	12/7/2003 23:20	12/14/2003 11:41	156.35
THEC 3	Unplanned Outage	12/10/2003 15:42	12/11/2003 15:55	24.22
BEC 3	Unplanned Outage	12/11/2003 1:00	12/13/2003 5:29	52.48
THEC 3	Unplanned Outage	12/11/2003 15:55	12/12/2003 4:55	13.00
THEC 2	Unplanned Outage	12/22/2003 23:30	12/24/2003 12:08	36.63
THEC 1	Unplanned Outage	12/26/2003 22:43	12/29/2003 0:00	49.28
LEC 2	Unplanned Outage	1/1/2004 13:51	1/3/2004 0:12	34.35
BEC 3	Unplanned Outage	1/1/2004 20:55	1/3/2004 8:22	35.45
THEC 3	Unplanned Outage	1/9/2004 1:21	1/9/2004 21:51	20.50
THEC 1	Unplanned Outage	1/10/2004 1:24	1/11/2004 3:16	25.87
THEC 1	Unplanned Outage	1/16/2004 10:20	1/17/2004 9:20	23.00
THEC 3	Unplanned Outage	1/16/2004 22:48	1/19/2004 9:36	58.80
THEC 1	Unplanned Outage	1/18/2004 20:41	1/19/2004 23:06	26.42
THEC 2	Unplanned Outage	1/23/2004 22:42	1/25/2004 3:46	29.07
THEC 2	Unplanned Outage	1/25/2004 4:56	1/25/2004 10:44	5.80
BEC 4	Unplanned Outage	2/6/2004 23:49	2/9/2004 1:13	49.40

Unit	Type	Start	End	Equivalent Hours
BEC 3	Unplanned Outage	2/7/2004 13:59	2/9/2004 13:12	47.22
BEC 4	Unplanned Outage	2/9/2004 1:14	5/1/2004 0:00	1965.77
THEC 3	Unplanned Outage	2/11/2004 23:21	2/13/2004 7:49	32.47
THEC 2	Unplanned Outage	2/12/2004 0:18	2/13/2004 13:57	37.65
THEC 1	Unplanned Outage	2/14/2004 0:44	2/15/2004 1:01	24.28
THEC 2	Unplanned Outage	3/2/2004 23:00	3/3/2004 11:59	12.98
THEC 3	Unplanned Outage	3/19/2004 23:34	3/21/2004 5:24	29.83
LEC 1	Planned Outage	3/31/2004 21:39	4/5/2004 0:45	98.10
LEC 2	Planned Outage	4/1/2004 1:49	4/4/2004 23:15	92.43
BEC 1	Planned Outage	4/2/2004 23:44	4/5/2004 0:52	48.13
THEC 1	Unplanned Outage	4/9/2004 23:33	4/12/2004 4:01	52.47
BEC 3	Planned Outage	4/15/2004 0:05	4/19/2004 4:28	100.38
THEC 1	Unplanned Outage	4/29/2004 1:20	4/29/2004 12:53	11.55
THEC 1	Unplanned Outage	4/29/2004 14:05	4/29/2004 16:35	2.50
THEC 3	Planned Outage	4/30/2004 23:37	5/10/2004 10:56	227.32
BEC 4	Planned Outage	5/1/2004 0:00	5/24/2004 0:00	552.00
THEC 2	Planned Outage	5/10/2004 11:37	5/17/2004 8:38	165.02
THEC 3	Unplanned Outage	5/12/2004 22:43	5/14/2004 4:50	30.12
THEC 3	Unplanned Outage	5/20/2004 23:26	5/23/2004 23:00	71.57
THEC 3	Unplanned Outage	5/23/2004 23:00	5/24/2004 6:03	7.05
BEC 4	Unplanned Outage	5/24/2004 0:00	6/6/2004 21:51	333.85
THEC 1	Unplanned Outage	6/4/2004 21:23	6/7/2004 2:00	52.62
BEC 2	Planned Outage	6/5/2004 0:50	6/7/2004 1:10	48.33
BEC 4	Unplanned Outage	6/7/2004 4:40	6/7/2004 18:26	13.77
BEC 4	Unplanned Outage	6/7/2004 20:15	6/8/2004 4:40	8.42
BEC 4	Unplanned Outage	6/8/2004 22:40	6/10/2004 0:13	25.55
LEC 2	Planned Outage	6/9/2004 0:32	6/29/2004 22:30	501.97
LEC 1	Unplanned Outage	6/11/2004 23:40	6/14/2004 1:45	50.08
BEC 4	Unplanned Outage	6/12/2004 19:11	6/14/2004 14:40	43.48
BEC 4	Unplanned Outage	6/14/2004 14:40	6/15/2004 18:32	27.87
THEC 2	Unplanned Outage	6/16/2004 23:10	6/18/2004 8:02	32.87
THEC 3	Unplanned Outage	6/18/2004 22:55	6/20/2004 11:40	36.75
BEC 4	Unplanned Outage	6/23/2004 0:39	6/24/2004 2:42	26.05
LEC 2	Unplanned Outage	6/29/2004 22:40	6/29/2004 23:58	1.30
BEC 4	Unplanned Outage	6/30/2004 5:40	7/1/2004 16:12	34.53

Unit	Type	Start	End	Equivalent Hours
THEC 3	Unplanned Outage	7/5/2004 23:30	7/7/2004 12:54	37.40
BEC 4	Unplanned Outage	7/7/2004 23:01	7/10/2004 21:45	70.73
THEC 3	Unplanned Outage	7/15/2004 0:22	7/17/2004 7:05	54.72
THEC 3	Unplanned Outage	8/7/2004 22:20	8/9/2004 6:11	31.85
LEC 2	Unplanned Outage	8/11/2004 19:35	8/13/2004 21:46	50.18
LEC 1	Planned Outage	8/14/2004 2:48	9/27/2004 6:00	1059.20
THEC 2	Unplanned Outage	8/28/2004 1:24	8/30/2004 3:52	50.47
BEC 3	Unplanned Outage	9/10/2004 0:44	9/13/2004 3:00	74.27
THEC 2	Unplanned Outage	9/13/2004 22:53	9/15/2004 6:38	31.75
BEC 4	Unplanned Outage	9/17/2004 0:22	9/18/2004 7:51	31.48
LEC 2	Unplanned Outage	9/21/2004 22:36	9/22/2004 0:00	1.40
LEC 2	Planned Outage	9/22/2004 0:00	9/27/2004 13:50	133.83
LEC 1	Unplanned Outage	9/27/2004 6:00	9/29/2004 22:00	64.00
LEC 1	Unplanned Outage	9/29/2004 22:00	9/30/2004 22:20	24.33
THEC 2	Unplanned Outage	9/29/2004 23:08	10/1/2004 0:26	25.30
THEC 3	Unplanned Outage	10/1/2004 2:33	10/4/2004 6:08	75.58
BEC 1	Planned Outage	10/1/2004 22:08	10/4/2004 1:35	51.45
THEC 1	Planned Outage	10/3/2004 18:58	11/14/2004 0:00	990.03
BEC 3	Unplanned Outage	10/8/2004 22:55	10/10/2004 6:00	31.08
LEC 2	Planned Outage	10/23/2004 21:32	10/24/2004 13:05	15.55
LEC 2	Unplanned Outage	10/24/2004 13:05	10/25/2004 16:46	27.68
BEC 2	Planned Outage	10/28/2004 22:42	10/31/2004 0:27	49.75
THEC 1	Planned Outage	11/14/2004 0:00	11/25/2004 17:30	281.50
THEC 2	Unplanned Outage	11/15/2004 16:15	11/17/2004 9:19	41.07
BEC 3	Unplanned Outage	11/20/2004 0:37	11/21/2004 10:01	33.40
THEC 1	Unplanned Outage	11/26/2004 8:30	11/27/2004 18:58	34.47
THEC 1	Unplanned Outage	11/27/2004 19:17	12/5/2004 14:42	187.42
BEC 3	Unplanned Outage	11/27/2004 22:18	11/28/2004 23:50	25.53
LEC 1	Unplanned Outage	12/8/2004 13:14	12/8/2004 14:30	1.27
LEC 1	Unplanned Outage	12/8/2004 15:17	12/9/2004 12:00	20.72
LEC 1	Unplanned Outage	12/9/2004 12:00	12/12/2004 6:00	66.00
LEC 1	Unplanned Outage	12/12/2004 6:00	12/17/2004 9:46	123.77
THEC 2	Unplanned Outage	12/21/2004 13:31	12/22/2004 17:45	28.23
BEC 3	Unplanned Outage	12/27/2004 10:20	12/29/2004 13:32	51.20
THEC 3	Unplanned Outage	12/29/2004 1:20	12/30/2004 0:41	23.35

Unit	Type	Start	End	Equivalent Hours
THEC 2	Unplanned Outage	1/6/2005 18:21	1/8/2005 3:06	32.75
THEC 2	Unplanned Outage	1/11/2005 22:04	1/13/2005 2:15	28.18
THEC 1	Unplanned Outage	1/19/2005 5:43	1/20/2005 10:06	28.38
THEC 2	Unplanned Outage	1/19/2005 16:00	1/21/2005 10:18	42.30
THEC 1	Unplanned Outage	1/20/2005 10:36	1/20/2005 17:33	6.95
THEC 1	Unplanned Outage	1/22/2005 23:37	1/23/2005 16:34	16.95
THEC 2	Unplanned Outage	1/27/2005 1:56	1/27/2005 23:41	21.75
BEC 3	Unplanned Outage	1/27/2005 20:57	2/1/2005 0:00	99.05
THEC 3	Planned Outage	1/28/2005 0:46	1/31/2005 10:18	81.53
THEC 2	Unplanned Outage	1/29/2005 10:25	1/30/2005 8:51	22.43
THEC 2	Unplanned Outage	1/31/2005 23:07	2/2/2005 3:47	28.67
BEC 3	Planned Outage	2/1/2005 0:00	2/22/2005 2:39	506.65
BEC 2	Unplanned Outage	2/4/2005 0:11	2/6/2005 4:07	51.93
BEC 1	Unplanned Outage	2/4/2005 22:33	2/6/2005 1:04	26.52
THEC 2	Unplanned Outage	2/10/2005 0:10	2/11/2005 7:40	31.50
THEC 2	Unplanned Outage	2/13/2005 9:33	2/14/2005 17:55	32.37
BEC 2	Unplanned Outage	2/19/2005 14:45	2/20/2005 8:12	17.45
BEC 1	Unplanned Outage	2/19/2005 16:15	2/20/2005 7:27	15.20
BEC 4	Unplanned Outage	2/28/2005 4:01	3/3/2005 15:00	82.98
BEC 4	Unplanned Outage	3/3/2005 15:00	3/4/2005 2:34	11.57
BEC 4	Unplanned Outage	3/4/2005 2:34	3/5/2005 3:04	24.50
BEC 3	Unplanned Outage	3/11/2005 23:44	3/13/2005 2:09	26.42
BEC 4	Unplanned Outage	3/13/2005 11:59	3/14/2005 11:07	23.13
BEC 3	Unplanned Outage	3/24/2005 3:08	3/25/2005 10:07	30.98
BEC 1	Planned Outage	3/27/2005 23:04	4/6/2005 14:33	230.48
BEC 2	Planned Outage	4/8/2005 0:15	4/16/2005 2:18	194.05
BEC 3	Unplanned Outage	4/9/2005 1:18	4/9/2005 23:09	21.85
BEC 3	Unplanned Outage	4/10/2005 7:00	4/10/2005 14:29	7.48
LEC 2	Planned Outage	4/14/2005 22:42	4/19/2005 6:00	103.30
LEC 1	Planned Outage	4/14/2005 23:45	4/25/2005 14:55	255.17
BEC 2	Unplanned Outage	4/16/2005 4:13	4/16/2005 16:40	12.45
LEC 2	Unplanned Outage	4/19/2005 6:00	4/19/2005 7:52	1.87
LEC 2	Unplanned Outage	4/19/2005 14:19	4/19/2005 18:52	4.55
LEC 2	Unplanned Outage	4/19/2005 19:20	4/20/2005 18:23	23.05
THEC 2	Planned Outage	4/23/2005 0:27	5/2/2005 5:35	221.13

Unit	Type	Start	End	Equivalent Hours
THEC 2	Unplanned Outage	5/10/2005 0:12	5/11/2005 8:35	32.38
BEC 4	Unplanned Outage	5/10/2005 14:47	5/11/2005 14:55	24.13
BEC 4	Unplanned Outage	5/11/2005 14:55	5/11/2005 22:55	8.00
THEC 1	Planned Outage	5/13/2005 0:30	5/16/2005 6:14	77.73
BEC 1	Unplanned Outage	5/15/2005 2:41	5/15/2005 23:21	20.67
LEC 1	Unplanned Outage	5/19/2005 23:59	5/23/2005 16:00	88.02
THEC 3	Planned Outage	5/20/2005 0:30	5/23/2005 13:36	85.10
LEC 2	Unplanned Outage	5/20/2005 1:06	5/23/2005 19:00	89.90
LEC 2	Unplanned Outage	5/23/2005 19:00	5/24/2005 17:00	22.00
LEC 2	Unplanned Outage	5/24/2005 17:00	5/24/2005 23:45	6.75
BEC 4	Unplanned Outage	5/27/2005 21:53	6/1/2005 1:26	99.55
LEC 2	Unplanned Outage	6/1/2005 0:00	6/2/2005 7:00	31.00
THEC 2	Unplanned Outage	6/4/2005 23:30	6/6/2005 3:00	27.50
BEC 2	Unplanned Outage	6/12/2005 12:14	6/13/2005 12:06	23.87
BEC 4	Unplanned Outage	6/14/2005 13:57	6/15/2005 8:19	18.37
THEC 1	Unplanned Outage	6/15/2005 14:15	6/17/2005 9:16	43.02
LEC 1	Unplanned Outage	6/18/2005 0:32	6/19/2005 16:00	39.47
LEC 1	Planned Outage	6/19/2005 16:00	6/19/2005 19:09	3.15
LEC 1	Unplanned Outage	6/19/2005 19:16	6/19/2005 19:38	0.37
BEC 4	Unplanned Outage	6/21/2005 19:01	6/22/2005 15:31	20.50
THEC 3	Unplanned Outage	6/28/2005 0:17	7/1/2005 15:25	87.13
BEC 3	Unplanned Outage	7/3/2005 23:04	7/4/2005 17:02	17.97
BEC 1	Unplanned Outage	7/14/2005 10:18	7/15/2005 10:44	24.43
LEC 2	Unplanned Outage	7/18/2005 13:30	7/20/2005 10:35	45.08
THEC 2	Unplanned Outage	7/26/2005 2:15	8/18/2005 14:38	564.38
THEC 3	Unplanned Outage	7/29/2005 23:20	7/31/2005 8:13	32.88
THEC 2	Unplanned Outage	8/20/2005 19:30	8/22/2005 1:48	30.30
BEC 3	Planned Outage	8/25/2005 21:43	8/29/2005 2:13	76.50
THEC 2	Unplanned Outage	8/27/2005 23:17	8/29/2005 3:59	28.70
LEC 1	Planned Outage	9/2/2005 0:05	9/6/2005 0:04	95.98
LEC 2	Planned Outage	9/3/2005 0:00	9/12/2005 0:00	216.00
LEC 1	Planned Outage	9/6/2005 0:04	9/7/2005 0:04	24.00
THEC 3	Unplanned Outage	9/7/2005 0:25	9/8/2005 5:15	28.83
BEC 3	Unplanned Outage	9/10/2005 16:20	9/11/2005 11:30	19.17
LEC 2	Unplanned Outage	9/12/2005 0:00	9/12/2005 1:20	1.33

Unit	Type	Start	End	Equivalent Hours
BEC 3	Unplanned Outage	9/13/2005 12:11	9/14/2005 21:40	33.48
BEC 2	Planned Outage	9/16/2005 21:48	9/19/2005 2:38	52.83
THEC 2	Unplanned Outage	9/21/2005 22:37	9/23/2005 7:19	32.70
BEC 1	Planned Outage	9/23/2005 21:59	9/26/2005 3:18	53.32
THEC 1	Planned Outage	9/29/2005 0:08	10/15/2005 13:25	397.28
THEC 3	Planned Outage	10/1/2005 0:40	11/16/2005 0:00	1104.33
BEC 4	Unplanned Outage	10/6/2005 23:32	10/9/2005 10:46	59.23
THEC 2	Unplanned Outage	10/11/2005 15:28	10/11/2005 16:41	1.22
THEC 2	Unplanned Outage	10/11/2005 18:41	10/12/2005 20:01	25.33
BEC 1	Unplanned Outage	10/15/2005 21:14	10/16/2005 9:59	12.75
BEC 1	Unplanned Outage	10/16/2005 9:59	10/16/2005 14:36	4.62
THEC 2	Unplanned Outage	10/19/2005 23:30	10/21/2005 4:30	29.00
BEC 1	Unplanned Outage	10/22/2005 19:45	10/25/2005 12:10	64.42
BEC 3	Unplanned Outage	10/24/2005 13:15	10/26/2005 15:21	50.10
BEC 4	Unplanned Outage	10/29/2005 0:23	11/6/2005 17:49	210.43
THEC 3	Planned Outage	11/16/2005 0:00	12/5/2005 22:23	478.38
THEC 2	Unplanned Outage	11/22/2005 4:00	11/24/2005 1:47	45.78
THEC 2	Unplanned Outage	12/5/2005 4:12	12/6/2005 15:31	35.32
THEC 3	Unplanned Outage	12/5/2005 23:15	12/6/2005 16:00	16.75
BEC 2	Unplanned Outage	12/6/2005 0:04	12/6/2005 20:33	20.48
THEC 2	Unplanned Outage	12/7/2005 22:13	12/9/2005 17:36	43.38
LEC 2	Unplanned Outage	12/10/2005 9:06	12/12/2005 5:40	44.57
THEC 2	Unplanned Outage	12/12/2005 20:39	12/14/2005 0:45	28.10
BEC 3	Unplanned Outage	12/13/2005 11:36	12/15/2005 11:46	48.17
BEC 1	Unplanned Outage	12/16/2005 23:07	12/19/2005 0:19	49.20
THEC 2	Unplanned Outage	12/23/2005 3:12	12/24/2005 16:07	36.92
BEC 2	Unplanned Outage	12/24/2005 0:13	12/25/2005 1:52	25.65
BEC 4	Unplanned Outage	12/25/2005 20:00	1/1/2006 0:00	148.00
THEC 2	Unplanned Outage	12/28/2005 21:56	12/30/2005 23:41	49.75
BEC 3	Unplanned Outage	12/31/2005 2:02	1/1/2006 0:00	21.97
BEC 4	Unplanned Outage	1/1/2006 0:00	1/2/2006 5:54	29.90
LEC 2	Unplanned Outage	1/7/2006 18:39	1/9/2006 4:55	34.27
LEC 1	Unplanned Outage	1/13/2006 23:43	1/15/2006 17:34	41.85
LEC 2	Unplanned Outage	1/15/2006 5:25	1/15/2006 18:10	12.75

Unit	Type	Start	End	Equivalent Hours
THEC 2	Unplanned Outage	1/27/2006 23:47	1/29/2006 15:33	39.77
LEC 2	Unplanned Outage	1/28/2006 21:51	1/30/2006 8:30	34.65
THEC 2	Unplanned Outage	1/30/2006 0:37	1/31/2006 3:32	26.92
BEC 3	Unplanned Outage	2/2/2006 18:05	2/4/2006 16:35	46.50
THEC 1	Unplanned Outage	2/4/2006 1:10	2/6/2006 3:56	50.77
BEC 3	Unplanned Outage	2/4/2006 16:35	2/5/2006 15:40	23.08
THEC 3	Planned Outage	2/10/2006 1:10	2/13/2006 3:12	74.03
BEC 1	Unplanned Outage	2/19/2006 16:36	2/20/2006 21:02	28.43
BEC 2	Unplanned Outage	2/21/2006 1:13	2/21/2006 19:02	17.82
LEC 1	Unplanned Outage	2/22/2006 23:50	2/24/2006 4:47	28.95
THEC 2	Planned Outage	3/4/2006 2:52	4/3/2006 20:46	736.90
THEC 3	Unplanned Outage	3/20/2006 23:33	3/22/2006 4:05	28.53
BEC 3	Planned Outage	3/31/2006 17:58	4/5/2006 3:55	104.95
BEC 1	Planned Outage	3/31/2006 20:55	4/5/2006 0:00	98.08
BEC 2	Planned Outage	3/31/2006 22:47	4/9/2006 3:37	195.83
BEC 1	Planned Outage	4/5/2006 0:00	4/5/2006 6:43	6.72
BEC 4	Planned Outage	4/15/2006 0:24	5/28/2006 1:21	1032.95
BEC 3	Unplanned Outage	4/28/2006 23:58	5/1/2006 17:45	65.78
LEC 2	Unplanned Outage	5/8/2006 18:15	5/18/2006 0:00	221.75
THEC 2	Unplanned Outage	5/14/2006 4:45	5/15/2006 8:24	27.65
LEC 2	Planned Outage	5/18/2006 0:00	5/27/2006 2:22	218.37
LEC 1	Planned Outage	5/20/2006 0:01	5/27/2006 13:40	181.65
BEC 3	Unplanned Outage	5/20/2006 6:11	5/21/2006 2:40	20.48
BEC 3	Unplanned Outage	5/25/2006 3:30	5/26/2006 17:01	37.52
BEC 4	Unplanned Outage	5/28/2006 8:27	5/29/2006 19:45	35.30
BEC 4	Unplanned Outage	5/30/2006 4:40	5/31/2006 9:35	28.92
BEC 1	Unplanned Outage	6/4/2006 0:09	6/4/2006 21:46	21.62
LEC 1	Unplanned Outage	6/4/2006 10:42	6/6/2006 6:13	43.52
LEC 2	Unplanned Outage	6/7/2006 19:15	6/9/2006 19:30	48.25
THEC 1	Unplanned Outage	6/10/2006 0:48	6/12/2006 7:23	54.58
LEC 2	Unplanned Outage	6/21/2006 0:17	6/22/2006 2:15	25.97
BEC 2	Unplanned Outage	6/23/2006 10:52	6/25/2006 23:40	60.80
THEC 3	Unplanned Outage	6/24/2006 0:19	6/26/2006 3:45	51.43
BEC 4	Unplanned Outage	7/25/2006 11:59	7/25/2006 17:50	5.85

Unit	Type	Start	End	Equivalent Hours
BEC 4	Unplanned Outage	7/25/2006 18:10	7/26/2006 5:00	10.83
BEC 3	Unplanned Outage	7/26/2006 9:38	7/26/2006 11:43	2.08
BEC 3	Unplanned Outage	7/26/2006 12:00	7/26/2006 12:30	0.50
BEC 4	Unplanned Outage	8/4/2006 20:52	8/5/2006 21:58	25.10
LEC 2	Unplanned Outage	8/5/2006 17:55	8/7/2006 4:00	34.08
THEC 1	Planned Outage	8/12/2006 0:15	8/14/2006 4:25	52.17
LEC 1	Unplanned Outage	8/12/2006 0:27	8/14/2006 3:18	50.85
BEC 3	Unplanned Outage	8/24/2006 0:00	8/25/2006 0:00	24.00
BEC 3	Planned Outage	8/25/2006 0:00	8/28/2006 0:00	72.00
BEC 3	Planned Outage	8/28/2006 0:00	9/4/2006 0:00	168.00
LEC 1	Unplanned Outage	9/2/2006 3:00	9/4/2006 4:00	49.00
BEC 3	Unplanned Outage	9/4/2006 0:00	9/12/2006 14:37	206.62
LEC 2	Unplanned Outage	9/7/2006 23:48	9/9/2006 10:55	35.12
BEC 1	Planned Outage	9/7/2006 23:56	9/11/2006 5:58	78.03
THEC 3	Planned Outage	9/13/2006 1:30	9/17/2006 3:00	97.50
THEC 3	Unplanned Outage	9/17/2006 3:00	9/19/2006 0:01	45.02
THEC 2	Unplanned Outage	9/19/2006 0:01	9/25/2006 4:00	147.98
LEC 1	Unplanned Outage	9/22/2006 8:25	9/25/2006 0:24	63.98
BEC 2	Planned Outage	9/29/2006 22:10	10/2/2006 0:36	50.43
LEC 2	Planned Outage	10/14/2006 1:30	11/24/2006 0:00	983.50
THEC 1	Planned Outage	10/16/2006 0:05	10/18/2006 23:59	71.90
THEC 1	Unplanned Outage	10/19/2006 0:00	10/21/2006 9:44	57.73
LEC 1	Planned Outage	10/20/2006 22:00	10/23/2006 22:00	72.00
LEC 1	Unplanned Outage	10/23/2006 22:01	10/28/2006 0:00	97.98
BEC 3	Unplanned Outage	10/27/2006 23:01	10/29/2006 9:58	35.95
LEC 1	Planned Outage	10/28/2006 0:00	10/29/2006 16:00	41.00
BEC 3	Planned Outage	10/29/2006 9:58	10/29/2006 14:50	4.87
LEC 1	Unplanned Outage	10/29/2006 16:00	10/30/2006 18:00	26.00
BEC 2	Unplanned Outage	11/17/2006 4:40	11/18/2006 8:08	27.47
LEC 1	Unplanned Outage	11/22/2006 14:22	11/25/2006 2:45	60.38
LEC 2	Planned Outage	11/24/2006 0:00	11/29/2006 23:15	143.25
BEC 3	Unplanned Outage	11/25/2006 0:00	11/26/2006 8:13	32.22
BEC 3	Unplanned Outage	12/3/2006 8:17	12/4/2006 9:05	24.80
LEC 2	Unplanned Outage	12/5/2006 3:23	12/6/2006 2:39	23.27
LEC 2	Unplanned Outage	12/6/2006 11:00	12/6/2006 16:00	5.00

Unit	Type	Start	End	Equivalent Hours
LEC 2	Unplanned Outage	12/6/2006 17:00	12/8/2006 19:13	50.22
LEC 2	Unplanned Outage	12/8/2006 20:05	12/9/2006 15:20	19.25
LEC 2	Unplanned Outage	12/9/2006 17:10	12/17/2006 14:39	189.48
BEC 3	Unplanned Outage	12/14/2006 8:05	12/15/2006 23:49	39.73
LEC 2	Unplanned Outage	12/17/2006 20:05	12/18/2006 10:22	14.28
LEC 2	Unplanned Outage	12/21/2006 7:47	12/22/2006 21:00	37.22
LEC 1	Unplanned Outage	12/22/2006 23:10	12/24/2006 8:54	33.73
BEC 4	Planned Outage	12/26/2006 23:31	12/30/2006 0:00	72.48
BEC 4	Planned Outage	12/30/2006 0:00	1/1/2007 0:00	48.00
LEC 1	Unplanned Outage	12/30/2006 0:08	12/31/2006 10:45	34.62
BEC 4	Unplanned Outage	1/1/2007 11:53	1/2/2007 19:22	31.48
BEC 3	Unplanned Outage	1/4/2007 0:15	1/7/2007 2:02	73.78
BEC 3	Unplanned Outage	1/7/2007 6:48	1/8/2007 11:20	28.53
LEC 1	Unplanned Outage	1/12/2007 23:43	1/15/2007 2:11	50.47
BEC 1	Unplanned Outage	1/17/2007 0:03	1/20/2007 15:33	87.50
LEC 2	Unplanned Outage	1/17/2007 13:38	1/17/2007 20:53	7.25
LEC 2	Unplanned Outage	1/17/2007 22:20	1/18/2007 16:07	17.78
LEC 2	Unplanned Outage	1/18/2007 18:52	1/19/2007 0:49	5.95
LEC 2	Unplanned Outage	1/19/2007 11:48	1/21/2007 21:30	57.70
BEC 3	Unplanned Outage	1/21/2007 0:22	1/21/2007 23:31	23.15
BEC 1	Unplanned Outage	1/21/2007 4:45	1/22/2007 15:30	34.75
LEC 1	Unplanned Outage	1/21/2007 12:39	1/23/2007 5:16	40.62
BEC 4	Unplanned Outage	1/31/2007 1:36	2/1/2007 9:23	31.78
LEC 1	Unplanned Outage	2/2/2007 11:57	2/4/2007 7:45	43.80
LEC 2	Unplanned Outage	2/6/2007 15:13	2/9/2007 18:57	75.73
BEC 3	Unplanned Outage	2/13/2007 4:52	2/15/2007 9:42	52.83
LEC 2	Unplanned Outage	2/14/2007 0:08	2/15/2007 17:55	41.78
THEC 1	Unplanned Outage	2/16/2007 23:31	2/19/2007 4:31	53.00
BEC 2	Unplanned Outage	2/19/2007 10:20	2/21/2007 21:22	59.03
BEC 4	Unplanned Outage	2/22/2007 21:29	2/24/2007 21:50	48.35
LEC 1	Unplanned Outage	2/23/2007 22:01	2/25/2007 7:51	33.83
BEC 4	Planned Outage	2/24/2007 21:50	2/27/2007 19:18	69.47
LEC 1	Planned Outage	3/3/2007 0:24	4/15/2007 21:10	1051.77
BEC 1	Unplanned Outage	3/9/2007 22:59	3/11/2007 6:56	30.95
BEC 2	Unplanned Outage	3/12/2007 19:04	3/14/2007 3:47	32.72

Unit	Type	Start	End	Equivalent Hours
BEC 4	Unplanned Outage	3/13/2007 13:31	3/16/2007 12:41	71.17
BEC 3	Unplanned Outage	3/14/2007 12:18	3/16/2007 13:12	48.90
LEC 2	Unplanned Outage	3/17/2007 23:45	3/22/2007 8:40	104.92
THEC 3	Unplanned Outage	3/22/2007 23:42	3/26/2007 9:10	81.47
BEC 3	Unplanned Outage	3/27/2007 18:16	4/1/2007 0:00	101.73
BEC 3	Planned Outage	4/1/2007 0:00	5/1/2007 16:39	736.65
BEC 4	Unplanned Outage	4/7/2007 20:51	4/9/2007 0:00	27.15
BEC 4	Unplanned Outage	4/9/2007 16:26	4/19/2007 0:00	223.57
LEC 2	Unplanned Outage	4/17/2007 3:00	4/18/2007 8:55	29.92
BEC 4	Unplanned Outage	4/19/2007 0:00	5/13/2007 13:00	589.00
THEC 1	Planned Outage	4/20/2007 0:04	4/23/2007 5:38	77.57
BEC 2	Unplanned Outage	4/20/2007 12:20	4/22/2007 5:21	41.02
LEC 1	Unplanned Outage	4/28/2007 5:35	4/29/2007 23:58	42.38
BEC 3	Unplanned Outage	5/1/2007 23:01	5/2/2007 20:58	21.95
THEC 2	Planned Outage	5/4/2007 22:18	6/1/2007 0:00	649.70
LEC 1	Unplanned Outage	5/6/2007 9:10	5/8/2007 11:09	49.98
BEC 3	Unplanned Outage	5/8/2007 11:23	5/10/2007 4:06	40.72
BEC 4	Unplanned Outage	5/13/2007 23:00	5/15/2007 7:00	32.00
LEC 2	Unplanned Outage	5/17/2007 9:15	5/19/2007 14:40	53.42
BEC 1	Unplanned Outage	5/25/2007 22:44	5/29/2007 1:00	74.27
THEC 2	Planned Outage	6/1/2007 0:00	6/18/2007 0:00	408.00
LEC 2	Unplanned Outage	6/2/2007 0:20	6/3/2007 16:54	40.57
LEC 1	Unplanned Outage	6/8/2007 23:55	6/10/2007 13:20	37.42
BEC 4	Unplanned Outage	6/10/2007 1:27	6/11/2007 19:20	41.88
LEC 2	Unplanned Outage	6/10/2007 22:00	6/12/2007 2:40	28.67
BEC 4	Unplanned Outage	6/11/2007 20:14	6/14/2007 0:17	52.05
BEC 3	Unplanned Outage	6/12/2007 21:02	6/14/2007 16:50	43.80
THEC 1	Unplanned Outage	6/16/2007 21:00	6/18/2007 21:00	48.00
THEC 2	Unplanned Outage	6/18/2007 0:00	6/24/2007 20:00	164.00
BEC 3	Unplanned Outage	6/19/2007 14:15	6/20/2007 13:31	23.27
BEC 4	Unplanned Outage	6/27/2007 0:01	6/28/2007 19:16	43.25
THEC 2	Unplanned Outage	7/1/2007 22:18	7/3/2007 10:54	36.60
LEC 1	Unplanned Outage	7/3/2007 0:44	7/4/2007 12:05	35.35
BEC 1	Unplanned Outage	7/7/2007 0:01	7/8/2007 19:02	43.02
LEC 2	Unplanned Outage	7/7/2007 0:01	7/8/2007 1:45	25.73

Unit	Type	Start	End	Equivalent Hours
BEC 3	Unplanned Outage	7/11/2007 1:36	7/14/2007 10:49	81.22
LEC 1	Unplanned Outage	7/20/2007 21:50	7/22/2007 5:20	31.50
LEC 2	Unplanned Outage	7/21/2007 7:56	7/22/2007 20:00	36.07
LEC 1	Unplanned Outage	7/25/2007 22:29	7/26/2007 14:15	15.77
LEC 1	Unplanned Outage	8/4/2007 2:35	8/5/2007 20:20	41.75
LEC 2	Unplanned Outage	8/10/2007 20:00	8/13/2007 7:00	59.00
BEC 3	Unplanned Outage	8/11/2007 2:04	8/11/2007 20:10	18.10
LEC 2	Planned Outage	8/13/2007 7:00	8/14/2007 11:45	28.75
LEC 2	Unplanned Outage	8/14/2007 14:25	8/15/2007 7:05	16.67
BEC 1	Unplanned Outage	8/17/2007 23:53	8/20/2007 0:40	48.78
BEC 2	Planned Outage	8/24/2007 23:25	10/1/2007 0:00	888.58
LEC 2	Unplanned Outage	8/30/2007 23:56	9/2/2007 8:24	56.47
LEC 1	Unplanned Outage	9/1/2007 12:11	9/2/2007 22:28	34.28
THEC 2	Unplanned Outage	9/5/2007 23:16	9/7/2007 4:27	29.18
LEC 1	Unplanned Outage	9/6/2007 15:00	9/7/2007 13:58	22.97
THEC 3	Unplanned Outage	9/7/2007 23:00	9/11/2007 4:00	77.00
BEC 4	Unplanned Outage	9/9/2007 15:10	9/11/2007 19:22	52.20
THEC 1	Unplanned Outage	9/13/2007 0:01	9/17/2007 0:49	96.80
THEC 2	Unplanned Outage	9/28/2007 22:11	9/29/2007 8:35	10.40
THEC 2	Unplanned Outage	9/29/2007 19:20	9/30/2007 4:45	9.42
BEC 2	Planned Outage	10/1/2007 0:01	10/9/2007 0:00	191.98
BEC 3	Unplanned Outage	10/5/2007 6:06	10/5/2007 21:37	15.52
BEC 2	Planned Outage	10/9/2007 0:00	10/26/2007 14:04	422.07
LEC 1	Planned Outage	10/9/2007 20:01	10/13/2007 0:00	75.98
LEC 2	Planned Outage	10/9/2007 20:02	10/13/2007 0:00	75.97
BEC 3	Unplanned Outage	10/10/2007 19:41	10/13/2007 10:01	62.33
THEC 1	Unplanned Outage	10/11/2007 23:51	10/12/2007 15:07	15.27
LEC 1	Planned Outage	10/13/2007 0:00	10/15/2007 1:24	49.40
LEC 2	Planned Outage	10/13/2007 0:00	10/15/2007 2:25	50.42
THEC 2	Unplanned Outage	10/22/2007 10:20	10/25/2007 8:00	69.67
BEC 3	Unplanned Outage	10/25/2007 22:00	10/30/2007 3:17	101.28
LEC 1	Unplanned Outage	10/28/2007 0:02	10/31/2007 16:48	88.77
BEC 1	Unplanned Outage	11/22/2007 21:16	11/27/2007 7:06	105.83
BEC 4	Unplanned Outage	12/9/2007 1:14	12/9/2007 22:01	20.78
THEC 3	Unplanned Outage	12/19/2007 23:14	12/22/2007 9:40	58.43

Unit	Type	Start	End	Equivalent Hours
THEC 1	Unplanned Outage	12/21/2007 23:00	12/24/2007 10:40	59.67
BEC 4	Unplanned Outage	12/26/2007 1:58	12/30/2007 2:21	96.38
LEC 2	Unplanned Outage	12/29/2007 10:11	12/31/2007 23:59	61.80
LEC 1	Unplanned Outage	12/29/2007 11:25	12/31/2007 21:20	57.92
LEC 1	Unplanned Outage	1/1/2008 0:00	1/1/2008 10:03	10.05
LEC 2	Unplanned Outage	1/1/2008 0:00	1/2/2008 14:53	38.88
THEC 2	Unplanned Outage	1/4/2008 22:30	1/7/2008 9:29	58.98
BEC 3	Unplanned Outage	1/5/2008 0:20	1/7/2008 0:40	48.33
THEC 2	Unplanned Outage	1/21/2008 17:03	1/22/2008 10:00	16.95
BEC 2	Unplanned Outage	1/23/2008 0:19	1/24/2008 13:19	37.00
BEC 3	Unplanned Outage	1/26/2008 0:59	1/26/2008 19:09	18.17
THEC 1	Unplanned Outage	2/1/2008 23:10	2/4/2008 3:18	52.13
THEC 2	Unplanned Outage	2/9/2008 0:01	2/11/2008 2:11	50.17
THEC 3	Unplanned Outage	3/3/2008 14:10	3/4/2008 19:38	29.47
BEC 3	Unplanned Outage	3/8/2008 0:34	3/8/2008 22:02	21.47
LEC 2	Unplanned Outage	3/10/2008 9:11	3/12/2008 22:50	61.65
LEC 1	Unplanned Outage	3/10/2008 10:40	3/14/2008 8:00	93.33
BEC 2	Unplanned Outage	3/13/2008 21:49	3/17/2008 2:00	76.18
THEC 1	Unplanned Outage	3/15/2008 8:56	3/17/2008 5:57	45.02
LEC 1	Unplanned Outage	3/18/2008 23:16	3/20/2008 9:49	34.55
BEC 1	Unplanned Outage	3/20/2008 22:34	3/24/2008 2:00	75.43
THEC 3	Unplanned Outage	3/25/2008 23:10	3/31/2008 4:00	124.83
BEC 2	Unplanned Outage	3/27/2008 7:03	3/28/2008 21:18	38.25
BEC 3	Planned Outage	3/28/2008 0:29	3/31/2008 0:23	71.90
BEC 4	Planned Outage	4/3/2008 17:14	5/1/2008 0:00	654.77
THEC 2	Unplanned Outage	4/4/2008 1:16	4/7/2008 5:55	76.65
THEC 1	Unplanned Outage	4/7/2008 11:00	4/8/2008 1:12	14.20
LEC 2	Planned Outage	4/13/2008 0:01	4/26/2008 11:52	323.85
LEC 1	Planned Outage	4/15/2008 0:35	4/20/2008 0:00	119.42
LEC 1	Planned Outage	4/20/2008 0:00	4/22/2008 1:15	49.25
LEC 1	Unplanned Outage	4/24/2008 21:38	4/25/2008 21:56	24.30
BEC 4	Planned Outage	5/1/2008 0:01	5/29/2008 21:49	693.80
THEC 2	Unplanned Outage	5/5/2008 10:12	5/7/2008 14:18	52.10
LEC 2	Unplanned Outage	5/6/2008 16:30	5/7/2008 15:40	23.17
THEC 1	Planned Outage	5/7/2008 23:40	6/19/2008 4:00	1012.33

Unit	Type	Start	End	Equivalent Hours
LEC 1	Unplanned Outage	5/15/2008 22:13	5/17/2008 1:58	27.75
LEC 1	Unplanned Outage	5/17/2008 1:58	5/17/2008 9:55	7.95
BEC 3	Unplanned Outage	5/25/2008 0:01	5/25/2008 22:25	22.40
BEC 4	Unplanned Outage	5/30/2008 2:10	6/1/2008 5:32	51.37
THEC 2	Unplanned Outage	5/31/2008 0:01	6/1/2008 20:23	44.37
BEC 4	Unplanned Outage	6/2/2008 9:15	6/4/2008 10:08	48.88
THEC 2	Unplanned Outage	6/14/2008 0:01	6/16/2008 6:46	54.75
BEC 4	Unplanned Outage	6/20/2008 23:50	6/22/2008 8:02	32.20
BEC 3	Unplanned Outage	7/2/2008 22:00	7/4/2008 12:00	38.00
THEC 2	Unplanned Outage	7/4/2008 16:20	7/5/2008 7:15	14.92
BEC 1	Unplanned Outage	7/9/2008 0:01	7/10/2008 5:56	29.92
LEC 1	Unplanned Outage	7/10/2008 7:00	7/12/2008 1:37	42.62
LEC 2	Unplanned Outage	7/12/2008 0:01	7/13/2008 11:06	35.08
THEC 3	Unplanned Outage	7/12/2008 0:01	7/14/2008 4:00	51.98
THEC 1	Unplanned Outage	7/19/2008 0:01	7/19/2008 10:00	9.98
THEC 1	Planned Outage	7/19/2008 10:00	7/19/2008 17:47	7.78
THEC 2	Unplanned Outage	8/1/2008 23:44	8/4/2008 4:00	52.27
LEC 1	Unplanned Outage	8/2/2008 21:30	8/4/2008 4:00	30.50
LEC 2	Unplanned Outage	8/7/2008 0:30	8/11/2008 12:16	107.77
THEC 3	Unplanned Outage	8/9/2008 4:17	8/10/2008 0:28	20.18
BEC 4	Unplanned Outage	8/10/2008 2:18	8/12/2008 4:32	50.23
THEC 3	Unplanned Outage	8/11/2008 18:58	8/13/2008 22:13	51.25
BEC 3	Unplanned Outage	8/14/2008 0:50	8/16/2008 9:18	56.47
LEC 2	Unplanned Outage	8/16/2008 0:01	8/16/2008 11:58	11.95
BEC 4	Unplanned Outage	8/23/2008 0:01	8/24/2008 1:03	25.03
LEC 2	Unplanned Outage	8/27/2008 22:29	8/28/2008 22:50	24.35
BEC 3	Unplanned Outage	9/1/2008 23:17	9/6/2008 18:00	114.72
BEC 3	Unplanned Outage	9/6/2008 18:00	9/7/2008 3:12	9.20
BEC 1	Planned Outage	9/12/2008 0:17	9/14/2008 13:00	60.72
THEC 1	Unplanned Outage	9/18/2008 2:40	9/22/2008 12:22	105.70
BEC 2	Unplanned Outage	9/20/2008 7:00	9/20/2008 12:00	5.00
BEC 2	Unplanned Outage	9/20/2008 12:00	9/21/2008 16:42	28.70
BEC 4	Unplanned Outage	9/27/2008 0:01	9/29/2008 4:03	52.03
LEC 1	Planned Outage	10/3/2008 0:01	10/6/2008 1:38	73.62
LEC 2	Unplanned Outage	10/3/2008 0:01	10/7/2008 6:10	102.15

Unit	Type	Start	End	Equivalent Hours
THEC 2	Unplanned Outage	10/3/2008 0:01	10/6/2008 10:49	82.80
BEC 4	Unplanned Outage	10/17/2008 23:30	10/20/2008 0:01	48.52
BEC 4	Unplanned Outage	10/20/2008 0:01	10/21/2008 4:18	28.28
THEC 3	Unplanned Outage	10/23/2008 0:01	10/27/2008 16:30	112.48
THEC 2	Unplanned Outage	10/24/2008 13:00	10/27/2008 3:10	62.17
BEC 3	Unplanned Outage	11/1/2008 2:21	11/2/2008 0:43	22.37
BEC 1	Unplanned Outage	11/11/2008 9:43	11/12/2008 22:35	36.87
BEC 2	Planned Outage	11/14/2008 23:12	12/14/2008 11:16	708.07
LEC 2	Unplanned Outage	11/17/2008 20:06	11/19/2008 6:34	34.47
LEC 1	Unplanned Outage	11/22/2008 0:05	11/23/2008 19:20	43.25
THEC 2	Unplanned Outage	11/22/2008 0:16	11/24/2008 9:49	57.55
BEC 1	Planned Outage	11/22/2008 6:00	11/25/2008 4:30	70.50
LEC 2	Unplanned Outage	11/28/2008 10:39	11/29/2008 22:20	35.68
BEC 3	Unplanned Outage	12/8/2008 20:00	12/10/2008 13:15	41.25
THEC 1	Unplanned Outage	12/12/2008 10:30	12/12/2008 22:17	11.78
THEC 1	Unplanned Outage	12/13/2008 18:04	12/23/2008 12:45	234.68
BEC 3	Unplanned Outage	12/16/2008 5:29	12/17/2008 13:55	32.43
BEC 3	Unplanned Outage	12/19/2008 23:30	12/21/2008 5:57	30.45
THEC 2	Unplanned Outage	12/20/2008 3:30	12/21/2008 10:41	31.18
BEC 2	Unplanned Outage	12/27/2008 7:00	12/28/2008 2:00	19.00
BEC 2	Unplanned Outage	12/28/2008 2:00	12/28/2008 18:12	16.20
THEC 2	Unplanned Outage	1/2/2009 12:00	1/5/2009 3:15	63.25
BEC 4	Unplanned Outage	1/2/2009 15:48	1/6/2009 2:16	82.47
LEC 2	Unplanned Outage	1/9/2009 9:30	1/11/2009 0:16	38.77
THEC 2	Unplanned Outage	1/9/2009 23:05	1/11/2009 9:29	34.40
BEC 2	Unplanned Outage	1/12/2009 4:59	1/13/2009 22:00	41.02
BEC 2	Unplanned Outage	1/13/2009 22:00	1/14/2009 5:30	7.50
BEC 2	Unplanned Outage	1/14/2009 5:30	1/14/2009 18:21	12.85
BEC 2	Unplanned Outage	1/14/2009 18:21	1/15/2009 6:31	12.17
BEC 2	Unplanned Outage	1/17/2009 23:45	1/19/2009 0:11	24.43
BEC 1	Unplanned Outage	1/31/2009 0:01	2/1/2009 21:43	45.70
LEC 1	Unplanned Outage	2/6/2009 17:13	2/8/2009 4:00	34.78
BEC 1	Unplanned Outage	2/6/2009 23:00	2/7/2009 23:01	24.02
BEC 4	Unplanned Outage	2/6/2009 23:35	2/8/2009 0:01	24.43
THEC 2	Unplanned Outage	2/13/2009 23:10	2/16/2009 10:17	59.12

Unit	Type	Start	End	Equivalent Hours
BEC 3	Unplanned Outage	2/15/2009 19:35	2/16/2009 22:55	27.33
THEC 1	Unplanned Outage	2/16/2009 13:40	2/18/2009 4:00	38.33
THEC 2	Unplanned Outage	2/16/2009 13:40	2/17/2009 15:05	25.42
BEC 4	Unplanned Outage	2/21/2009 1:30	2/22/2009 0:01	22.52
BEC 4	Unplanned Outage	2/22/2009 0:01	2/22/2009 16:00	15.98
THEC 3	Unplanned Outage	2/23/2009 14:54	2/24/2009 7:23	16.48
BEC 3	Planned Outage	2/28/2009 0:02	3/3/2009 7:32	79.50
BEC 3	Unplanned Outage	3/3/2009 11:33	3/4/2009 3:39	16.10
BEC 2	Unplanned Outage	3/6/2009 20:51	3/9/2009 0:45	50.90
THEC 1	Unplanned Outage	3/24/2009 21:13	3/25/2009 21:30	24.28
THEC 2	Unplanned Outage	3/24/2009 21:13	3/25/2009 16:27	19.23
BEC 4	Unplanned Outage	3/27/2009 6:45	3/30/2009 10:06	75.35
THEC 1	Unplanned Outage	3/27/2009 9:36	3/30/2009 1:37	64.02
BEC 3	Unplanned Outage	4/1/2009 0:00	4/2/2009 2:32	26.53
BEC 3	Unplanned Outage	4/4/2009 1:00	4/5/2009 2:00	25.00
LEC 1	Planned Outage	4/4/2009 1:15	4/13/2009 1:15	216.00
LEC 2	Planned Outage	4/4/2009 1:25	4/7/2009 1:25	72.00
BEC 3	Unplanned Outage	4/7/2009 0:01	4/9/2009 3:24	51.38
BEC 3	Unplanned Outage	4/11/2009 0:00	4/12/2009 7:22	31.37
BEC 1	Planned Outage	4/16/2009 22:00	6/14/2009 18:10	1412.17
BEC 4	Unplanned Outage	4/17/2009 22:01	4/22/2009 10:54	108.88
THEC 1	Unplanned Outage	4/30/2009 23:36	5/5/2009 11:00	107.40
BEC 3	Unplanned Outage	5/2/2009 0:00	5/23/2009 0:01	504.02
THEC 2	Planned Outage	5/2/2009 4:24	5/5/2009 4:00	71.60
LEC 1	Unplanned Outage	5/3/2009 22:00	5/4/2009 18:00	20.00
THEC 2	Planned Outage	5/5/2009 4:00	5/11/2009 8:00	148.00
THEC 3	Unplanned Outage	5/8/2009 17:48	5/10/2009 23:30	53.70
THEC 2	Unplanned Outage	5/11/2009 8:00	5/22/2009 10:00	266.00
BEC 2	Unplanned Outage	5/14/2009 7:27	5/16/2009 19:41	60.23
LEC 2	Unplanned Outage	5/16/2009 23:00	5/18/2009 12:20	37.33
BEC 2	Unplanned Outage	5/20/2009 0:01	5/22/2009 9:35	57.57
BEC 3	Unplanned Outage	5/28/2009 0:48	5/28/2009 20:00	19.20
THEC 1	Unplanned Outage	6/7/2009 13:30	6/8/2009 18:00	28.50
BEC 3	Unplanned Outage	6/13/2009 0:01	6/14/2009 18:05	42.07
LEC 1	Unplanned Outage	6/13/2009 15:30	6/18/2009 17:14	121.73

Unit	Type	Start	End	Equivalent Hours
BEC 2	Unplanned Outage	6/20/2009 13:17	6/21/2009 12:42	23.42
BEC 2	Unplanned Outage	6/24/2009 10:35	6/26/2009 2:15	39.67
LEC 2	Unplanned Outage	6/27/2009 0:01	6/27/2009 23:00	22.98
BEC 3	Unplanned Outage	6/29/2009 21:00	7/1/2009 5:35	32.58
BEC 4	Unplanned Outage	7/2/2009 1:12	7/5/2009 22:00	92.80
BEC 3	Unplanned Outage	7/8/2009 13:08	7/10/2009 21:52	56.73
LEC 1	Unplanned Outage	7/11/2009 23:55	7/12/2009 14:25	14.50
LEC 2	Unplanned Outage	7/18/2009 16:00	7/20/2009 8:59	40.98
BEC 4	Unplanned Outage	7/25/2009 14:29	7/27/2009 11:29	45.00
THEC 1	Unplanned Outage	7/30/2009 17:41	8/3/2009 0:45	79.07
BEC 4	Unplanned Outage	7/31/2009 22:00	8/3/2009 4:56	54.93
BEC 3	Unplanned Outage	8/4/2009 19:59	8/6/2009 9:00	37.02
LEC 1	Unplanned Outage	8/7/2009 23:00	8/10/2009 5:00	54.00
BEC 3	Planned Outage	8/14/2009 22:43	11/3/2009 14:59	1937.27
LEC 2	Unplanned Outage	8/21/2009 1:00	8/24/2009 3:00	74.00
LEC 1	Unplanned Outage	8/21/2009 23:01	8/23/2009 13:10	38.15
LEC 2	Unplanned Outage	9/11/2009 12:32	9/15/2009 5:01	88.48
BEC 1	Planned Outage	9/18/2009 23:48	9/28/2009 2:23	218.58
THEC 3	Unplanned Outage	9/24/2009 13:38	9/28/2009 20:00	102.37
BEC 2	Unplanned Outage	10/1/2009 22:04	10/4/2009 21:53	71.82
LEC 2	Unplanned Outage	10/2/2009 22:58	10/18/2009 14:26	375.47
LEC 1	Unplanned Outage	10/6/2009 0:01	10/9/2009 4:14	76.22
THEC 2	Planned Outage	10/6/2009 8:00	10/12/2009 3:52	139.87
THEC 1	Unplanned Outage	10/7/2009 6:15	10/10/2009 4:00	69.75
BEC 4	Unplanned Outage	10/8/2009 0:01	10/9/2009 22:48	46.78
THEC 3	Unplanned Outage	10/9/2009 10:17	10/10/2009 11:46	25.48
THEC 3	Unplanned Outage	10/12/2009 0:15	10/12/2009 19:53	19.63
THEC 2	Unplanned Outage	10/12/2009 5:09	10/12/2009 12:11	7.03
LEC 2	Unplanned Outage	10/19/2009 6:48	10/21/2009 5:58	47.17
LEC 1	Unplanned Outage	10/25/2009 8:33	10/27/2009 6:00	45.45
BEC 2	Unplanned Outage	11/1/2009 7:00	11/1/2009 21:53	14.88
BEC 3	Unplanned Outage	11/3/2009 15:53	11/3/2009 21:01	5.13
BEC 3	Unplanned Outage	11/3/2009 21:58	11/4/2009 10:59	13.02
BEC 3	Unplanned Outage	11/4/2009 20:01	11/5/2009 23:58	27.95
LEC 2	Unplanned Outage	11/4/2009 20:06	11/6/2009 11:00	38.90

Unit	Type	Start	End	Equivalent Hours
BEC 2	Unplanned Outage	11/13/2009 23:35	11/17/2009 0:07	72.53
BEC 3	Unplanned Outage	11/14/2009 15:41	11/15/2009 5:26	13.75
BEC 3	Unplanned Outage	11/16/2009 7:54	11/17/2009 19:41	35.78
BEC 2	Unplanned Outage	11/20/2009 11:28	11/21/2009 4:18	16.83
BEC 3	Unplanned Outage	11/20/2009 15:36	11/23/2009 0:17	56.68
BEC 3	Unplanned Outage	11/26/2009 0:01	11/30/2009 7:07	103.10
BEC 1	Unplanned Outage	11/28/2009 13:15	11/29/2009 21:51	32.60
BEC 3	Unplanned Outage	11/30/2009 8:38	11/30/2009 21:09	12.52
LEC 2	Unplanned Outage	12/1/2009 2:45	12/3/2009 19:45	65.00
BEC 3	Unplanned Outage	12/6/2009 7:30	12/6/2009 20:22	12.87
BEC 3	Unplanned Outage	12/12/2009 17:27	12/13/2009 15:50	22.38
BEC 3	Unplanned Outage	12/13/2009 17:07	12/13/2009 22:30	5.38
BEC 3	Unplanned Outage	12/13/2009 22:30	12/14/2009 2:01	3.52
BEC 3	Unplanned Outage	12/14/2009 2:01	12/14/2009 7:21	5.33
BEC 4	Unplanned Outage	12/28/2009 0:01	12/31/2009 23:59	95.97
LEC 2	Unplanned Outage	12/29/2009 22:31	12/31/2009 7:45	33.23
THEC 2	Unplanned Outage	1/6/2010 23:50	1/11/2010 9:26	105.60
BEC 3	Unplanned Outage	1/9/2010 0:16	1/10/2010 17:28	41.20
BEC 3	Unplanned Outage	1/10/2010 18:21	1/11/2010 18:26	24.08
THEC 1	Unplanned Outage	1/16/2010 0:01	1/16/2010 23:59	23.97
LEC 1	Unplanned Outage	1/16/2010 18:41	1/18/2010 4:00	33.32
BEC 3	Unplanned Outage	1/18/2010 23:51	1/19/2010 20:07	20.27
BEC 4	Unplanned Outage	2/1/2010 1:00	2/4/2010 17:25	88.42
BEC 3	Unplanned Outage	2/1/2010 13:13	2/2/2010 6:04	16.85
BEC 1	Unplanned Outage	2/10/2010 22:00	2/14/2010 23:05	97.08
THEC 2	Unplanned Outage	2/13/2010 8:34	2/18/2010 12:00	123.43
BEC 3	Unplanned Outage	3/1/2010 23:00	3/4/2010 4:33	53.55
LEC 2	Unplanned Outage	3/2/2010 11:20	3/4/2010 2:34	39.23
BEC 3	Unplanned Outage	3/6/2010 23:43	3/7/2010 19:07	19.40
THEC 3	Unplanned Outage	3/8/2010 7:11	3/10/2010 8:45	49.57
THEC 3	Unplanned Outage	3/11/2010 23:26	3/12/2010 19:17	19.85
THEC 3	Unplanned Outage	3/20/2010 5:44	3/29/2010 4:36	214.87
THEC 3	Unplanned Outage	4/1/2010 4:48	4/1/2010 17:11	12.38
THEC 2	Unplanned Outage	4/3/2010 0:01	4/19/2010 8:03	392.03
BEC 2	Planned Outage	4/8/2010 22:23	4/14/2010 1:10	122.78

Unit	Type	Start	End	Equivalent Hours
THEC 1	Unplanned Outage	4/19/2010 23:07	5/13/2010 8:49	561.70
THEC 3	Unplanned Outage	4/20/2010 14:33	4/23/2010 9:14	66.68
LEC 2	Unplanned Outage	4/25/2010 11:34	4/29/2010 23:59	108.42
LEC 2	Planned Outage	4/30/2010 0:01	5/4/2010 14:30	110.48
LEC 1	Planned Outage	4/30/2010 0:06	5/4/2010 11:20	107.23
BEC 4	Planned Outage	4/30/2010 0:29	5/10/2010 14:34	254.08
BEC 3	Planned Outage	5/28/2010 0:01	5/31/2010 12:08	84.12
BEC 2	Unplanned Outage	5/30/2010 18:50	6/1/2010 11:57	41.12
BEC 1	Planned Outage	6/3/2010 22:01	6/6/2010 18:34	68.55
BEC 2	Unplanned Outage	6/11/2010 12:06	6/14/2010 0:35	60.48
THEC 3	Unplanned Outage	6/26/2010 0:01	6/28/2010 1:22	49.35
BEC 4	Unplanned Outage	6/27/2010 0:01	7/2/2010 17:18	137.28
BEC 1	Unplanned Outage	7/2/2010 23:00	7/5/2010 8:45	57.75
THEC 2	Unplanned Outage	7/8/2010 21:58	7/12/2010 6:41	80.72
LEC 2	Unplanned Outage	7/16/2010 0:01	7/17/2010 16:36	40.58
THEC 1	Unplanned Outage	7/17/2010 0:01	7/19/2010 3:36	51.58
BEC 1	Unplanned Outage	7/23/2010 22:01	7/25/2010 22:01	48.00
THEC 3	Unplanned Outage	8/10/2010 14:42	8/12/2010 18:39	51.95
BEC 4	Planned Outage	8/14/2010 1:21	10/27/2010 17:33	1792.20
THEC 2	Planned Outage	8/21/2010 0:01	8/23/2010 3:24	51.38
BEC 3	Unplanned Outage	9/3/2010 20:48	9/4/2010 10:34	13.77
BEC 3	Unplanned Outage	9/5/2010 7:41	9/5/2010 15:30	7.82
BEC 3	Unplanned Outage	9/5/2010 15:30	9/7/2010 5:40	38.17
LEC 1	Planned Outage	9/7/2010 23:42	9/13/2010 16:53	137.18
LEC 2	Planned Outage	9/8/2010 0:21	9/13/2010 13:08	132.78
BEC 1	Planned Outage	9/9/2010 21:36	9/13/2010 0:02	74.43
BEC 3	Unplanned Outage	9/16/2010 9:25	9/17/2010 17:40	32.25
BEC 2	Planned Outage	9/16/2010 21:46	9/20/2010 0:38	74.87
BEC 3	Unplanned Outage	9/17/2010 23:47	9/18/2010 21:12	21.42
LEC 2	Unplanned Outage	9/21/2010 6:32	9/22/2010 16:52	34.33
THEC 2	Planned Outage	9/21/2010 21:30	9/27/2010 8:50	131.33
THEC 3	Unplanned Outage	9/23/2010 9:39	9/28/2010 20:37	130.97
BEC 3	Unplanned Outage	9/27/2010 22:00	9/29/2010 3:10	29.17
BEC 3	Unplanned Outage	10/2/2010 1:00	10/3/2010 1:57	24.95
THEC 3	Unplanned Outage	10/4/2010 18:23	10/6/2010 8:57	38.57

Unit	Type	Start	End	Equivalent Hours
BEC 3	Unplanned Outage	10/8/2010 22:03	10/10/2010 20:06	46.05
BEC 3	Unplanned Outage	10/13/2010 4:14	10/14/2010 5:22	25.13
THEC 3	Unplanned Outage	10/14/2010 7:07	10/15/2010 1:29	18.37
BEC 3	Unplanned Outage	10/15/2010 3:01	10/16/2010 10:45	31.73
BEC 3	Unplanned Outage	10/19/2010 1:30	10/20/2010 9:40	32.17
THEC 3	Planned Outage	10/21/2010 2:48	11/4/2010 23:31	356.72
BEC 4	Unplanned Outage	10/27/2010 19:05	10/28/2010 16:55	21.83
BEC 4	Unplanned Outage	10/28/2010 22:57	10/29/2010 23:34	24.62
THEC 1	Planned Outage	10/28/2010 23:55	11/1/2010 8:44	80.82
BEC 3	Planned Outage	10/29/2010 0:00	11/6/2010 2:32	194.53
BEC 1	Unplanned Outage	10/29/2010 23:44	10/30/2010 22:17	22.55
BEC 4	Unplanned Outage	10/30/2010 4:04	10/30/2010 19:37	15.55
BEC 4	Unplanned Outage	10/30/2010 19:43	10/31/2010 1:09	5.43
BEC 4	Unplanned Outage	11/1/2010 10:16	11/4/2010 8:26	70.17
THEC 3	Unplanned Outage	11/6/2010 5:38	11/6/2010 18:25	12.78
BEC 4	Unplanned Outage	11/6/2010 6:14	11/7/2010 13:51	32.62
BEC 4	Unplanned Outage	11/13/2010 2:20	11/14/2010 10:10	31.83
BEC 3	Unplanned Outage	11/14/2010 6:00	11/15/2010 21:21	39.35
BEC 4	Unplanned Outage	11/17/2010 16:57	11/20/2010 13:21	68.40
BEC 4	Unplanned Outage	11/24/2010 23:00	11/30/2010 14:54	135.90
THEC 3	Unplanned Outage	11/25/2010 8:50	11/26/2010 13:12	28.37
THEC 2	Planned Outage	11/26/2010 21:46	11/29/2010 12:56	63.17
BEC 1	Unplanned Outage	12/2/2010 21:57	12/6/2010 7:39	81.70
THEC 3	Unplanned Outage	12/9/2010 0:03	12/10/2010 5:05	29.03
BEC 2	Unplanned Outage	12/9/2010 22:00	12/12/2010 6:15	56.25
THEC 2	Unplanned Outage	12/13/2010 8:00	12/15/2010 2:05	42.08
LEC 1	Planned Outage	12/17/2010 0:01	12/23/2010 4:19	148.30
LEC 2	Unplanned Outage	12/17/2010 9:00	12/18/2010 22:48	37.80
THEC 3	Unplanned Outage	12/25/2010 3:00	12/25/2010 19:14	16.23
BEC 4	Unplanned Outage	12/25/2010 8:01	12/26/2010 18:53	34.87
BEC 3	Unplanned Outage	12/28/2010 22:46	12/30/2010 7:37	32.85
THEC 3	Unplanned Outage	1/13/2011 23:25	1/15/2011 17:24	41.98
BEC 3	Unplanned Outage	1/21/2011 22:01	1/23/2011 3:02	29.02
BEC 4	Unplanned Outage	1/27/2011 0:11	1/29/2011 12:16	60.08
THEC 2	Unplanned Outage	1/28/2011 22:02	1/31/2011 3:55	53.88

Unit	Type	Start	End	Equivalent Hours
BEC 2	Unplanned Outage	1/29/2011 6:57	1/29/2011 22:30	15.55
BEC 4	Unplanned Outage	2/3/2011 18:54	2/5/2011 7:46	36.87
LEC 1	Unplanned Outage	2/4/2011 23:09	2/8/2011 9:21	82.20
THEC 1	Unplanned Outage	2/6/2011 7:24	2/7/2011 1:56	18.53
LEC 2	Unplanned Outage	2/6/2011 10:00	2/9/2011 19:39	81.65
THEC 1	Unplanned Outage	2/11/2011 21:05	2/21/2011 21:47	240.70
BEC 3	Unplanned Outage	2/14/2011 22:00	2/16/2011 18:04	44.07
BEC 4	Unplanned Outage	2/18/2011 21:38	2/20/2011 14:26	40.80
BEC 3	Unplanned Outage	2/19/2011 11:16	2/20/2011 1:46	14.50
THEC 2	Planned Outage	2/21/2011 23:57	3/5/2011 14:14	278.28
BEC 4	Unplanned Outage	2/22/2011 14:47	2/25/2011 7:54	65.12
THEC 3	Unplanned Outage	2/26/2011 19:02	3/9/2011 8:54	253.87
BEC 3	Unplanned Outage	3/1/2011 5:27	3/6/2011 2:37	117.17
THEC 1	Unplanned Outage	3/5/2011 22:12	3/7/2011 7:42	33.50
THEC 2	Unplanned Outage	3/7/2011 4:30	3/9/2011 15:31	59.02
LEC 1	Unplanned Outage	3/11/2011 16:02	3/13/2011 5:39	36.62
THEC 2	Unplanned Outage	3/18/2011 16:40	3/21/2011 4:47	60.12
THEC 3	Unplanned Outage	4/1/2011 13:28	4/4/2011 1:33	60.08
BEC 3	Unplanned Outage	4/2/2011 1:00	4/3/2011 0:40	23.67
LEC 1	Planned Outage	4/7/2011 0:01	4/16/2011 1:27	217.43
LEC 2	Planned Outage	4/7/2011 0:47	4/16/2011 3:30	218.72
BEC 1	Planned Outage	4/7/2011 21:56	5/30/2011 23:59	1274.05
BEC 4	Planned Outage	4/14/2011 0:01	4/19/2011 22:23	142.37
THEC 3	Unplanned Outage	4/15/2011 4:33	4/16/2011 13:59	33.43
LEC 1	Planned Outage	4/16/2011 1:27	4/16/2011 17:22	15.92
BEC 4	Unplanned Outage	4/19/2011 22:49	4/20/2011 22:28	23.65
THEC 2	Unplanned Outage	4/29/2011 23:01	5/2/2011 8:53	57.87
LEC 2	Unplanned Outage	5/2/2011 1:06	5/2/2011 5:21	4.25
LEC 2	Unplanned Outage	5/9/2011 22:59	5/10/2011 7:29	8.50
BEC 3	Planned Outage	5/13/2011 0:27	5/28/2011 1:15	360.80
BEC 2	Planned Outage	5/15/2011 21:09	5/22/2011 3:18	150.15
BEC 1	Planned Outage	5/30/2011 23:59	6/9/2011 21:54	237.92
THEC 3	Unplanned Outage	6/2/2011 23:47	6/6/2011 1:56	74.15
LEC 1	Unplanned Outage	6/2/2011 23:57	6/6/2011 3:44	75.78
LEC 2	Unplanned Outage	6/2/2011 23:57	6/6/2011 1:45	73.80

Unit	Type	Start	End	Equivalent Hours
BEC 4	Unplanned Outage	6/4/2011 14:15	6/11/2011 3:50	157.58
BEC 1	Unplanned Outage	6/10/2011 9:53	6/11/2011 2:12	16.32
BEC 3	Unplanned Outage	6/12/2011 0:35	6/13/2011 9:27	32.87
BEC 3	Unplanned Outage	6/28/2011 22:00	6/30/2011 6:54	32.90
BEC 4	Unplanned Outage	7/4/2011 12:08	7/6/2011 19:54	55.77
THEC 2	Unplanned Outage	7/5/2011 11:25	7/9/2011 21:56	106.52
THEC 3	Unplanned Outage	7/25/2011 18:30	7/27/2011 10:00	39.50
THEC 3	Unplanned Outage	7/27/2011 13:15	7/28/2011 15:32	26.28
BEC 3	Unplanned Outage	7/29/2011 23:59	7/31/2011 16:31	40.53
LEC 2	Unplanned Outage	8/6/2011 8:13	8/21/2011 7:15	359.03
LEC 2	Unplanned Outage	8/21/2011 8:45	11/9/2011 16:27	1928.70
THEC 3	Unplanned Outage	8/25/2011 16:30	8/27/2011 10:18	41.80
THEC 1	Planned Outage	8/26/2011 0:01	8/29/2011 9:14	81.22
BEC 3	Unplanned Outage	8/27/2011 0:01	8/29/2011 0:34	48.55
THEC 2	Planned Outage	8/28/2011 23:59	9/1/2011 8:11	80.20
BEC 4	Unplanned Outage	9/4/2011 10:00	9/10/2011 14:07	148.12
BEC 1	Planned Outage	9/8/2011 21:31	9/11/2011 22:07	72.60
THEC 3	Planned Outage	9/10/2011 7:04	9/15/2011 10:59	123.92
BEC 4	Unplanned Outage	9/13/2011 21:00	9/14/2011 11:43	14.72
THEC 3	Unplanned Outage	9/15/2011 10:59	10/18/2011 18:53	799.90
BEC 2	Planned Outage	9/15/2011 22:44	9/18/2011 23:44	73.00
LEC 1	Planned Outage	9/22/2011 0:15	9/26/2011 5:07	100.87
THEC 2	Unplanned Outage	9/24/2011 3:29	10/12/2011 4:00	432.52
BEC 4	Unplanned Outage	9/29/2011 23:54	10/2/2011 14:05	62.18
LEC 1	Unplanned Outage	10/16/2011 20:09	10/18/2011 1:20	29.18
THEC 3	Unplanned Outage	10/24/2011 14:05	10/26/2011 12:02	45.95
BEC 3	Unplanned Outage	10/29/2011 0:00	10/29/2011 22:57	22.95
THEC 3	Unplanned Outage	11/2/2011 21:49	11/3/2011 20:00	22.18
THEC 2	Unplanned Outage	11/8/2011 23:45	11/21/2011 14:42	302.95
THEC 3	Unplanned Outage	11/13/2011 10:06	11/15/2011 2:27	40.35
THEC 2	Unplanned Outage	11/27/2011 16:34	11/29/2011 11:26	42.87
BEC 3	Planned Outage	11/29/2011 22:00	12/5/2011 5:37	127.62
BEC 2	Planned Outage	12/1/2011 21:55	12/4/2011 21:57	72.03
BEC 4	Unplanned Outage	12/28/2011 0:01	12/31/2011 10:41	82.67
BEC 2	Unplanned Outage	12/31/2011 4:03	1/1/2012 0:00	19.95

Unit	Type	Start	End	Equivalent Hours
THEC 3	Unplanned Outage	1/6/2012 23:43	1/9/2012 3:05	51.37
BEC 3	Unplanned Outage	1/7/2012 20:00	1/8/2012 9:22	13.37
BEC 2	Unplanned Outage	1/16/2012 9:35	1/18/2012 0:31	38.93
BEC 2	Unplanned Outage	1/19/2012 10:45	1/21/2012 7:08	44.38
LEC 2	Unplanned Outage	1/26/2012 20:40	1/27/2012 20:40	24.00
BEC 3	Unplanned Outage	1/27/2012 23:58	1/29/2012 15:46	39.80
THEC 3	Unplanned Outage	2/7/2012 23:00	2/10/2012 12:55	61.92
LEC 2	Unplanned Outage	2/11/2012 22:54	2/25/2012 14:37	327.72
THEC 2	Unplanned Outage	2/17/2012 23:00	2/20/2012 3:52	52.87
BEC 2	Unplanned Outage	2/22/2012 0:13	2/23/2012 18:06	41.88
LEC 1	Unplanned Outage	2/24/2012 1:35	2/27/2012 21:28	91.88
BEC 3	Unplanned Outage	2/24/2012 23:59	2/26/2012 19:15	43.27
LEC 2	Unplanned Outage	2/27/2012 23:43	3/2/2012 11:52	84.15
THEC 2	Unplanned Outage	2/28/2012 18:58	3/1/2012 8:45	37.78
THEC 3	Planned Outage	3/6/2012 23:45	3/12/2012 7:18	126.55
BEC 1	Planned Outage	3/8/2012 21:52	3/12/2012 0:51	73.98
BEC 3	Unplanned Outage	3/16/2012 0:07	3/17/2012 12:24	36.28
LEC 1	Unplanned Outage	3/17/2012 19:55	3/21/2012 7:21	83.43
LEC 2	Unplanned Outage	3/17/2012 19:55	3/21/2012 6:06	82.18
THEC 1	Planned Outage	3/20/2012 22:20	3/27/2012 13:04	158.73
LEC 2	Planned Outage	3/30/2012 19:37	4/26/2012 7:44	636.12
LEC 1	Planned Outage	3/30/2012 21:58	4/26/2012 4:58	631.00
BEC 3	Unplanned Outage	3/31/2012 17:18	4/2/2012 17:44	48.43
BEC 1	Unplanned Outage	4/5/2012 22:03	4/7/2012 6:36	32.55
BEC 2	Unplanned Outage	4/5/2012 23:50	4/6/2012 20:52	21.03
THEC 2	Planned Outage	4/6/2012 20:50	4/25/2012 14:36	449.77
BEC 4	Planned Outage	4/13/2012 22:59	6/1/2012 9:31	1162.53
BEC 2	Unplanned Outage	5/3/2012 22:14	5/12/2012 2:46	196.53
BEC 3	Unplanned Outage	5/11/2012 8:24	5/12/2012 19:39	35.25
BEC 3	Planned Outage	5/16/2012 0:02	5/20/2012 23:59	119.95
BEC 3	Planned Outage	5/20/2012 23:59	5/21/2012 21:25	21.43
BEC 3	Unplanned Outage	5/26/2012 0:00	5/27/2012 14:15	38.25
THEC 3	Unplanned Outage	5/31/2012 0:00	6/1/2012 3:26	27.43
LEC 1	Unplanned Outage	6/2/2012 21:11	6/3/2012 13:30	16.32
BEC 4	Unplanned Outage	6/4/2012 19:31	6/6/2012 5:20	33.82

Unit	Type	Start	End	Equivalent Hours
THEC 2	Unplanned Outage	6/7/2012 1:19	10/28/2012 8:44	3439.42
BEC 4	Unplanned Outage	6/7/2012 12:19	6/8/2012 7:38	19.32
BEC 3	Unplanned Outage	6/22/2012 23:59	6/24/2012 8:11	32.20
THEC 1	Unplanned Outage	7/5/2012 23:50	7/7/2012 16:30	40.67
BEC 4	Unplanned Outage	7/10/2012 9:45	7/12/2012 15:21	53.60
BEC 3	Unplanned Outage	7/10/2012 15:00	7/11/2012 14:13	23.22
BEC 3	Unplanned Outage	7/24/2012 20:18	7/27/2012 14:18	66.00
THEC 3	Unplanned Outage	7/27/2012 23:59	7/30/2012 14:33	62.57
LEC 2	Unplanned Outage	8/2/2012 11:06	8/5/2012 15:56	76.83
BEC 1	Unplanned Outage	8/6/2012 0:44	8/6/2012 3:01	2.28
BEC 1	Unplanned Outage	8/6/2012 3:12	8/7/2012 7:56	28.73
BEC 3	Unplanned Outage	8/9/2012 0:13	8/9/2012 15:20	15.12
THEC 1	Unplanned Outage	8/10/2012 20:30	8/13/2012 7:44	59.23
BEC 1	Unplanned Outage	8/17/2012 23:12	8/19/2012 18:15	43.05
LEC 1	Unplanned Outage	8/23/2012 21:42	8/27/2012 14:40	88.97
BEC 1	Planned Outage	9/5/2012 22:05	9/9/2012 23:21	97.27
BEC 1	Unplanned Outage	9/10/2012 0:34	9/10/2012 18:27	17.88
BEC 4	Unplanned Outage	9/11/2012 23:57	9/13/2012 3:00	27.05
BEC 3	Planned Outage	9/14/2012 23:26	10/14/2012 8:32	705.10
BEC 2	Planned Outage	9/20/2012 21:46	9/23/2012 22:54	73.13
THEC 3	Planned Outage	9/20/2012 23:55	9/24/2012 8:12	80.28
LEC 2	Unplanned Outage	9/26/2012 13:03	10/3/2012 5:43	160.67
LEC 2	Planned Outage	10/5/2012 20:54	11/3/2012 0:20	675.43
LEC 1	Planned Outage	10/5/2012 20:57	11/2/2012 5:07	656.17
BEC 4	Unplanned Outage	10/6/2012 0:09	10/6/2012 15:48	15.65
BEC 2	Unplanned Outage	10/20/2012 21:27	10/21/2012 19:12	21.75
THEC 3	Unplanned Outage	10/22/2012 12:52	10/23/2012 10:29	21.62
THEC 1	Unplanned Outage	10/24/2012 14:45	11/30/2012 11:00	885.25
THEC 3	Unplanned Outage	10/26/2012 23:06	12/2/2012 4:40	870.57
THEC 2	Unplanned Outage	10/28/2012 8:44	11/29/2012 18:24	778.67
BEC 3	Unplanned Outage	11/3/2012 22:06	11/4/2012 20:55	23.82
BEC 3	Unplanned Outage	11/6/2012 0:01	11/6/2012 22:30	22.48
BEC 4	Planned Outage	11/20/2012 2:43	11/25/2012 14:05	131.37
LEC 2	Unplanned Outage	11/21/2012 18:40	11/23/2012 7:08	36.47
BEC 4	Unplanned Outage	11/25/2012 14:05	11/26/2012 14:06	24.02

Unit	Type	Start	End	Equivalent Hours
BEC 4	Unplanned Outage	11/27/2012 23:06	11/30/2012 9:27	58.35
THEC 1	Unplanned Outage	11/30/2012 11:00	12/1/2012 15:40	28.67
THEC 2	Unplanned Outage	12/14/2012 23:07	12/17/2012 12:03	60.93
THEC 2	Unplanned Outage	12/21/2012 23:39	12/23/2012 20:42	45.05
THEC 3	Unplanned Outage	1/1/2013 0:11	1/3/2013 8:24	56.22
BEC 4	Unplanned Outage	1/6/2013 2:31	1/6/2013 20:33	18.03
BEC 3	Unplanned Outage	1/10/2013 21:58	1/14/2013 6:13	80.25
THEC 2	Unplanned Outage	1/26/2013 0:01	1/28/2013 3:27	51.43
BEC 1	Unplanned Outage	1/27/2013 10:51	1/28/2013 12:03	25.20
THEC 1	Unplanned Outage	2/8/2013 23:47	2/11/2013 5:46	53.98
BEC 1	Unplanned Outage	2/9/2013 18:26	2/11/2013 8:10	37.73
THEC 1	Unplanned Outage	2/13/2013 14:25	2/15/2013 6:22	39.95
BEC 4	Unplanned Outage	2/14/2013 23:23	2/15/2013 15:05	15.70
THEC 1	Unplanned Outage	2/27/2013 15:05	3/2/2013 0:57	57.87
THEC 3	Unplanned Outage	3/1/2013 0:00	3/4/2013 3:52	75.87
BEC 1	Unplanned Outage	3/8/2013 23:06	3/11/2013 2:07	50.02
THEC 3	Unplanned Outage	3/14/2013 1:26	3/16/2013 7:08	53.70
BEC 1	Unplanned Outage	3/20/2013 18:29	3/22/2013 17:56	47.45
BEC 3	Unplanned Outage	3/23/2013 0:01	3/24/2013 17:01	41.00
BEC 3	Unplanned Outage	3/24/2013 17:09	3/24/2013 18:02	0.88
THEC 1	Planned Outage	3/30/2013 1:45	6/16/2013 15:53	1886.13
LEC 2	Unplanned Outage	4/3/2013 4:17	4/4/2013 22:18	42.02
LEC 1	Planned Outage	4/9/2013 0:04	5/4/2013 17:32	617.47
LEC 2	Planned Outage	4/9/2013 1:38	5/7/2013 5:06	675.47
THEC 2	Planned Outage	4/13/2013 5:49	5/6/2013 4:00	550.18
BEC 3	Planned Outage	4/17/2013 1:53	4/21/2013 23:59	118.10
BEC 2	Planned Outage	4/17/2013 22:09	4/21/2013 1:43	75.57
BEC 4	Unplanned Outage	4/20/2013 23:58	4/23/2013 5:46	53.80
BEC 4	Unplanned Outage	4/23/2013 21:58	4/25/2013 17:23	43.42
BEC 3	Unplanned Outage	4/27/2013 1:29	4/28/2013 6:51	29.37
BEC 4	Planned Outage	5/4/2013 0:24	5/12/2013 21:26	213.03
THEC 2	Planned Outage	5/6/2013 4:00	5/6/2013 17:35	13.58
BEC 1	Planned Outage	5/12/2013 22:01	5/22/2013 15:33	233.53
BEC 3	Unplanned Outage	5/17/2013 2:06	5/18/2013 23:07	45.02
THEC 3	Planned Outage	5/18/2013 1:42	5/27/2013 8:12	222.50

Unit	Type	Start	End	Equivalent Hours
LEC 2	Unplanned Outage	5/25/2013 22:09	5/26/2013 18:08	19.98
BEC 4	Unplanned Outage	6/20/2013 2:18	6/20/2013 22:46	20.47
BEC 3	Unplanned Outage	6/26/2013 2:44	6/29/2013 5:19	74.58