

**Cases of Filed Testimony
James A. Busch**

<u>Company</u>	<u>Case No.</u>
Union Electric Company	GR-97-393
Missouri Gas Energy	GR-98-140
Laclede Gas Company	GO-98-484
Laclede Gas Company	GR-98-374
St. Joseph Light & Power	GR-99-246
Laclede Gas Company	GT-99-303
Laclede Gas Company	GR-99-315
Fiber Four Corporation	TA-2000-23; et al.
Missouri American Water Company	WR-2000-281/SR-2000-282
Union Electric Company d/b/a AmerenUE	GR-2000-512
St. Louis County Water	WR-2000-844
Empire District Electric Company	ER-2001-299
Missouri Gas Energy	GR-2001-292
Laclede Gas Company	GT-2001-329
Laclede Gas Company	GO-2000-394
Laclede Gas Company	GR-2001-629
UtiliCorp United, Inc	ER-2001-672
Union Electric Company d/b/a AmerenUE	EC-2002-1
Laclede Gas Company	GR-2002-356
Empire District Electric Company	ER-2002-424
Southern Union Company	GM-2003-0238

AQUILA, INC.
CASE NO. EF-2003-0465
DATA REQUEST NO. OPC-5012

FILE COPY

DATE OF REQUEST: August 21, 2003
DATE RECEIVED: August 21, 2003
DATE DUE: September 10, 2003
REQUESTOR: Douglas E. Micheel

QUESTION:

Please provide any and all written, electronic or any other form of information provided by Aquila to financial analysts regarding Aquila's financial plan. (Schedule RD-1 Direct Testimony of Rick Dobson.)

RESPONSE: Please see attachments. Although there were no "collateral specific" presentations made to analysts, the financial plan is mentioned in the following presentations.

ATTACHMENT: Attached analyst presentations.

ANSWERED BY:

Neala Clark

SIGNATURE OF RESPONDENT

SEP 08 2003



Aquila

Aquila Update Missouri Community Meeting Discussion Document

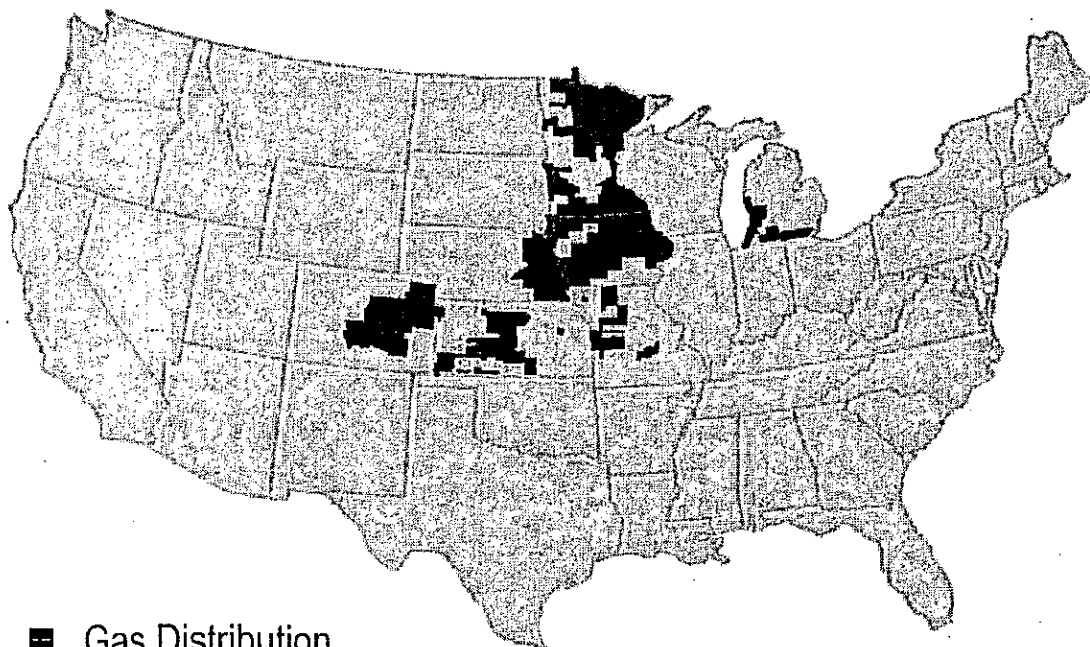
Rick Green

Chief Executive Officer

**St. Joseph Area
June 26, 2003**



The Road Ahead: A Domestic Utility Company



- Gas Distribution
- Electricity Distribution
- Combination Gas & Electric

US Operations

- ✓ 7 states
- ✓ Gas Customers: 891,000
- ✓ Electric Customers: 438,000
- ✓ On-system appliance repair business

Diversification:

Gas Customers

- Colorado: 52,000
- Iowa: 144,000
- Kansas: 104,000
- Michigan: 158,000
- Minnesota: 191,000
- Missouri: 53,000
- Nebraska: 189,000

Electric Customers

- Colorado: 87,000
- Kansas: 69,000
- Missouri: 282,000

Diversification mitigates utility risks

SCHEDULE JAB-3
HAS BEEN DEEMED
HIGHLY CONFIDENTIAL
IN ITS ENTIRETY.

SCHEDULE JAB-4
HAS BEEN DEEMED
HIGHLY CONFIDENTIAL
IN ITS ENTIRETY.

FILED WITH
Executive Secretary

JUL 18 2003

IOWA UTILITIES BOARD

AQUILA, INC.

SUPPLEMENTAL EXHIBIT

of

BETH A. ARMSTRONG

In re Aquila, Inc.
Docket No. SPU-03-7

July 18, 2003

Schedule JAB-5
Page 1 of 6

Armstrong Iowa Rebuttal Testimony

Revised Exhibit BAA-1

	Iowa's Estimated Working Capital	Projected Dec 2003	Projected Jan 2004	
Gas Supply				
Working Capital Model		\$ 131,195,528	\$ 145,795,744	
Iowa Percentage of load		16.1%	16.0%	See Supplemental Schedule 1
A Iowa Portion	\$ 44,562,014	\$ 21,164,610	\$ 23,397,404	
Storage				
Working Capital Model			Jan \$ 70,584,491	
Iowa Percentage of load			15.8%	See Supplemental Schedule 1
B Iowa Portion	11,136,538		\$ 11,136,538	
Pipeline Capacity				
Working Capital Model			\$ 31,800,000	
Iowa Percentage of load			15.8%	See Supplemental Schedule 1
C Iowa Portion	5,017,277		\$ 5,017,277	
D Total Cash Needs for Iowa (D= A+B+C)	\$ 60,715,829			
Cash Receipts				
Working Capital Model	\$ 213,782,000	January 2004 Projected Cash Receipts		
Iowa % of cash receipts (Avg Dec/Jan)	12.3%	See Supplemental Schedule 2		
E Iowa Portion of Cash Receipts	\$ 26,302,534			
F Iowa Peak Cash Requirement (F=D-E)	\$ 34,413,296			
Iowa's % Net Peak Cash Requirement	13.8%			
(\$34,413,296/\$250,000,000)				
Iowa's % of net plant	3%	See Supplemental Schedule 3		

Armstrong Iowa Rebuttal Testimony
Revised Exhibit BAA-1
Supplemental Schedule 1

Calculation of Iowa's portion of natural gas load

Budgeted
MCF Per Load Forecast File

	3-Jan	3-Feb	3-Mar	3-Apr	3-May	3-Jun	3-Jul	3-Aug	3-Sep	3-Oct	3-Nov	3-Dec
MO - MPS	1,083,521	818,141	628,964	345,658	171,160	129,659	126,092	131,520	107,877	289,611	627,403	962,034
MO - SJ	177,152	125,933	99,301	60,759	36,913	15,423	14,917	15,692	28,185	53,148	99,251	144,377
Michigan	4,510,058	3,714,810	3,136,325	1,917,106	941,361	592,412	464,403	505,083	612,149	1,616,039	2,643,862	3,834,411
Minnesota	5,863,095	4,568,721	3,831,111	2,274,271	1,192,105	853,485	732,568	821,853	923,828	2,127,166	3,657,116	5,264,871
Kansas	2,246,710	1,541,087	1,337,998	866,924	533,146	662,707	665,517	679,409	435,752	771,003	1,359,418	1,850,698
Colorado	1,034,704	884,483	837,723	633,771	435,392	370,568	329,334	337,141	309,424	573,410	865,957	1,096,345
Iowa	3,550,583	2,729,983	2,233,957	1,313,146	642,903	490,750	431,804	455,636	471,729	1,158,033	2,066,353	3,041,776
Nebraska	3,728,912	2,963,092	2,385,777	1,410,001	736,887	546,519	523,545	536,860	576,489	1,240,249	2,322,817	2,660,898
Total Networks Load	22,194,734	17,346,231	14,491,155	8,821,636	4,689,865	3,661,523	3,288,178	3,483,194	3,465,430	7,828,659	13,642,177	18,855,409
MO - MPS	4.9%	4.7%	4.3%	3.9%	3.6%	3.5%	3.8%	3.8%	3.1%	3.7%	4.6%	5.1%
MO - SJ	0.8%	0.7%	0.7%	0.7%	0.8%	0.4%	0.5%	0.5%	0.8%	0.7%	0.7%	0.8%
Michigan	20.3%	21.4%	21.6%	21.7%	20.1%	16.2%	14.1%	14.5%	17.7%	20.6%	19.4%	20.3%
Minnesota	26.4%	26.3%	26.4%	25.8%	25.4%	23.3%	22.3%	23.6%	26.7%	27.2%	26.8%	27.9%
Kansas	10.1%	8.9%	9.2%	9.8%	11.4%	18.1%	20.2%	19.5%	12.6%	9.8%	10.0%	9.8%
Colorado	4.7%	5.1%	5.8%	7.2%	9.3%	10.1%	10.0%	9.7%	8.9%	7.3%	6.3%	5.8%
Iowa	16.0%	15.7%	15.4%	14.8%	13.7%	13.4%	13.1%	13.1%	13.6%	14.8%	15.1%	15.1%
Nebraska	16.8%	17.1%	16.5%	16.0%	15.7%	14.9%	15.9%	15.4%	16.6%	15.8%	17.0%	14.1%
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Iowa average for storage and pipeline capacity payments

Armstrong Iowa Rebuttal Testimony

Revised Exhibit BAA-1

Supplemental Schedule 1

Calculation of Iowa's portion of natural gas load

Budgeted

MCF Per Load Forecast File

	4-Jan	4-Feb	4-Mar	4-Apr	4-May	Total Annual	Winter 30-04
MO - MPS	1,093,214	829,825	634,743	348,958	172,959	5,453,895	4,147,219
MO - SJ	179,035	127,849	100,439	61,488	37,393	877,199	650,951
Michigan	4,575,689	3,782,700	3,181,318	1,944,368	954,499	24,706,932	18,017,980
Minnesota	5,893,616	4,606,215	3,837,703	2,263,375	1,169,124	32,150,916	23,259,521
Kansas	2,269,615	1,575,171	1,350,625	873,653	537,347	13,030,916	8,405,527
Colorado	1,094,548	945,273	883,884	666,599	454,744	7,927,226	4,886,006
Iowa	3,602,938	2,783,910	2,266,847	1,332,359	652,193	18,754,327	13,761,823
Nebraska	3,742,258	2,969,939	2,382,667	1,402,362	717,633	19,622,236	14,078,579
Total Networks Load	22,450,914	17,620,882	14,638,225	8,893,163	4,695,892	122,523,646	87,207,607

MO - MPS	4.9%	4.7%	4.3%	3.9%	3.7%
MO - SJ	0.8%	0.7%	0.7%	0.7%	0.8%
Michigan	20.4%	21.5%	21.7%	21.9%	20.3%
Minnesota	26.3%	26.1%	26.2%	25.5%	24.9%
Kansas	10.1%	8.9%	9.2%	9.8%	11.4%
Colorado	4.9%	5.4%	6.0%	7.5%	9.7%
Iowa	16.0%	15.8%	15.5%	15.0%	13.9%
Nebraska	16.7%	16.9%	16.3%	15.8%	15.3%
	100.0%	100.0%	100.0%	100.0%	100.0%

Iowa average for storage and pi	16.0%	15.8%	15.5%	Average 15.8%
---------------------------------	-------	-------	-------	------------------



Armstrong Iowa Rebuttal Testimony

Revised Exhibit BAA-1

Supplemental Schedule 2

Calculation of Iowa's portion of cash receipts

	A	B	C = A*B	
	January 2003 Actual	Iowa's % of Peoples Natural Gas Cash Receipts	Iowa estimated receipts	Iowa's % of U.S. Network Total
U.S. Network Actual Cash receipts				
MGD (Michigan Gas Utility Distribution)	19,151,914.57			
MPD (Missouri Public Service Distribution)	30,268,633.01			
PND (PNG Distribution)	90,446,873.61	22.5%	20,325,385	12.3%
SJD (St. Joe Power and Light Distribution)	7,608,725.26			
WCD (West Plains Colorado Distribution)	8,993,443.91			
WKD (West Plains Kansas Distribution)	8,731,280.89			
Total receipts for Jan 03	165,200,871.25			

12.3% is 20,325,385 / 165,200,871.25

Peoples Natural Gas Revenues by State	Dec 2002 Actual Revenue	Jan 2003 Actual Revenue	Dec rev %	Jan Rev %	Avg (Dec and Jan)
COLORADO	4,833,466.13	5,510,038.01	6%	5%	
IOWA	19,341,944.41	24,602,573.88	23%	22%	
KANSAS	13,466,583.27	15,995,020.38	16%	14%	
MICHIGAN	18,549.48	14,563.68	0%	0%	
MINNESOTA	27,935,788.35	40,063,557.98	33%	36%	
NEBRASKA	18,615,585.78	25,545,115.56	22%	23%	22.5%
OKLAHOMA	23,822.88	39,427.87	0%	0%	
PND_GENERAL	153,306.32	(3,277.03)	0%	0%	
SOUTH DAKOTA	82,527.18	70,176.87	0%	0%	
TEXAS	(75,527.58)	33,251.31	0%	0%	
	84,196,046.22	111,870,448.51	100%	100%	

22.5% is the average of 23% and 22%

Armstrong Iowa Rebuttal Testimony

Revised Exhibit BAA-1

Supplemental Schedule 3

Percentage of net plant calculation

Balances as of 12-31-02	Gross Plant	Accum Depr	Net Plant
-------------------------	-------------	------------	-----------

Gas

COLORADO	60,061	26,371	33,690
IOWA	139,761	90,423	49,338
KANSAS	143,734	74,413	69,321
MICHIGAN	241,705	115,412	126,293
MINNESOTA	210,770	87,690	123,080
MISSOURI	93,142	32,859	60,283
NEBRASKA	213,378	82,600	130,778
OKLAHOMA	370	310	60
PND_GENERAL	4,205	1,156	3,049
SOUTH DAKOTA	8	11	(3)
TEXAS	165	151	14

3%

3% is 49,338 / 1,707,409.00

Electric

COLORADO	226,241	114,522	111,719
KANSAS	360,009	180,718	179,291
MISSOURI	1,499,008	678,512	820,496

TOTAL

3,192,557	1,485,148	1,707,409
-----------	-----------	-----------

SCHEDULE JAB-6
HAS BEEN DEEMED
HIGHLY CONFIDENTIAL
IN ITS ENTIRETY.

		Missouri	
	Estimated	Projected Dec	Projected Jan
	Working Capital	2003	2004
<u>Gas Supply</u>			
Working Capital Model			
State's Percentage of Load			
State's Portion	\$14,273,542.38	\$6,792,264.33	\$7,481,278.05
Purchased Power	\$9,666,000.00	\$5,447,254.00	\$4,218,746.00
Power Plant Notional	\$7,290,037.65	\$3,982,700.43	\$3,307,337.22
Sub-Total	\$16,956,037.65		
Gas Supply Total	\$31,229,580.03		
<u>Storage</u>			
Working Capital Model			
State's Percentage of Load			
State's Portion	\$2,391,884.31		2,391,884.31
<u>Pipeline Capacity</u>			
Working Capital Model			
State's Percentage of Load			
State's Portion	\$1,709,146.93		\$1,709,146.93
<u>Payroll</u>			
Working Capital Model			
State's Percentage of Customers			
State's Portion	\$1,484,183.60		\$1,484,183.60
<u>Incremental Gas Stress Test</u>			
Working Capital Model			
State's Percentage of Load			
State's Portion	\$ 4,031,406.22		\$ 4,031,406.22
Total Cash Needs	\$40,846,201.10		
<u>Cash Receipts</u>			
Working Capital Model	\$213,782,000		
State's Percent of cash receipts	22.9%		
State's Portion	\$49,016,069.62		
Peak Cash Requirement	(\$8,169,868.51)		
% of Net Peak Cash Requirement	-3.3%		

SCHEDULE JAB-8
HAS BEEN DEEMED
HIGHLY CONFIDENTIAL
IN ITS ENTIRETY.

NCDC / Climate At A Glance / Climate Monitoring / Search / Help



Climate At A Glance

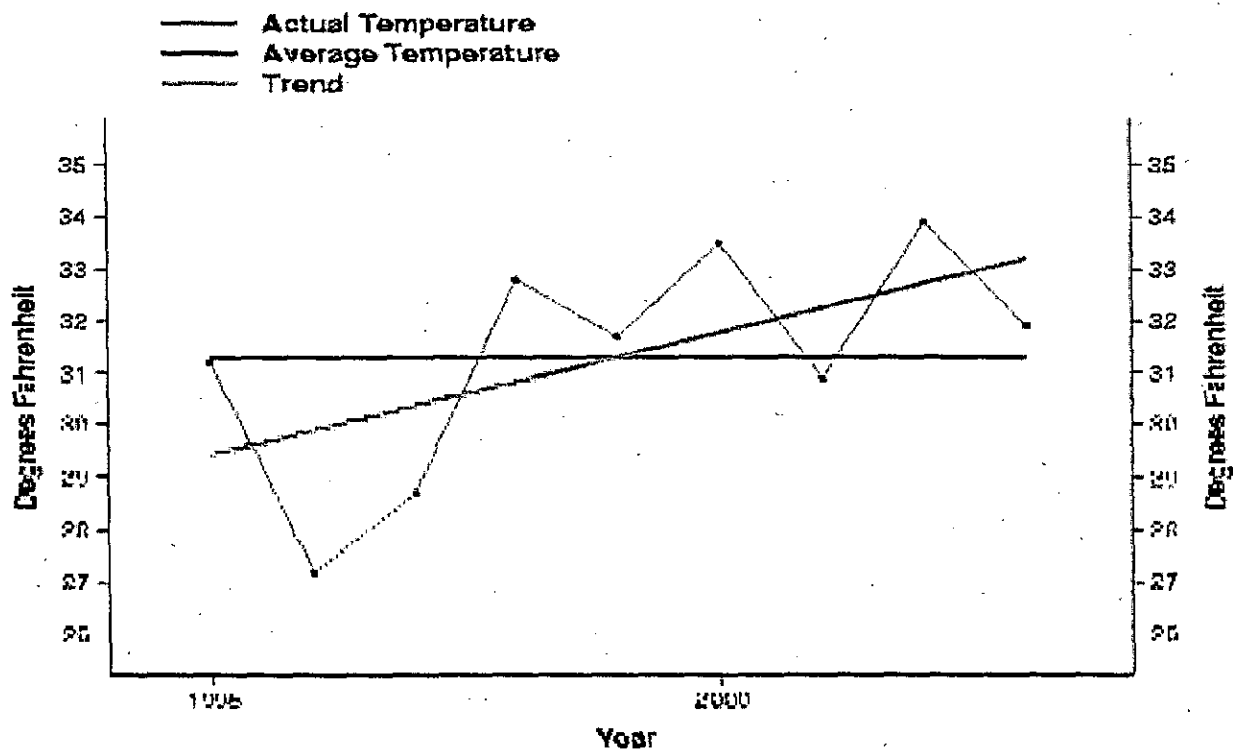


January Temperature Kansas

January 2003: 31.9 degF Rank: 6th

January 1995 - 2003 Average = 31.31 degF

January 1995 - 2003 Trend = 4.67 degF / Decade



NCDC / Climate At A Glance / Climate Monitoring / Search / Help

This graph was dynamically generated 09/08/2003 at 14:21:25

via <http://www.ncdc.noaa.gov/oa/climate/research/cag3/NA.html>

Please send questions to Jay.Lawrimore@noaa.gov

Please see the NCDC Contact Page if you have questions or comments.

[NCDC / Climate At A Glance / Climate Monitoring / Search / Help](#)

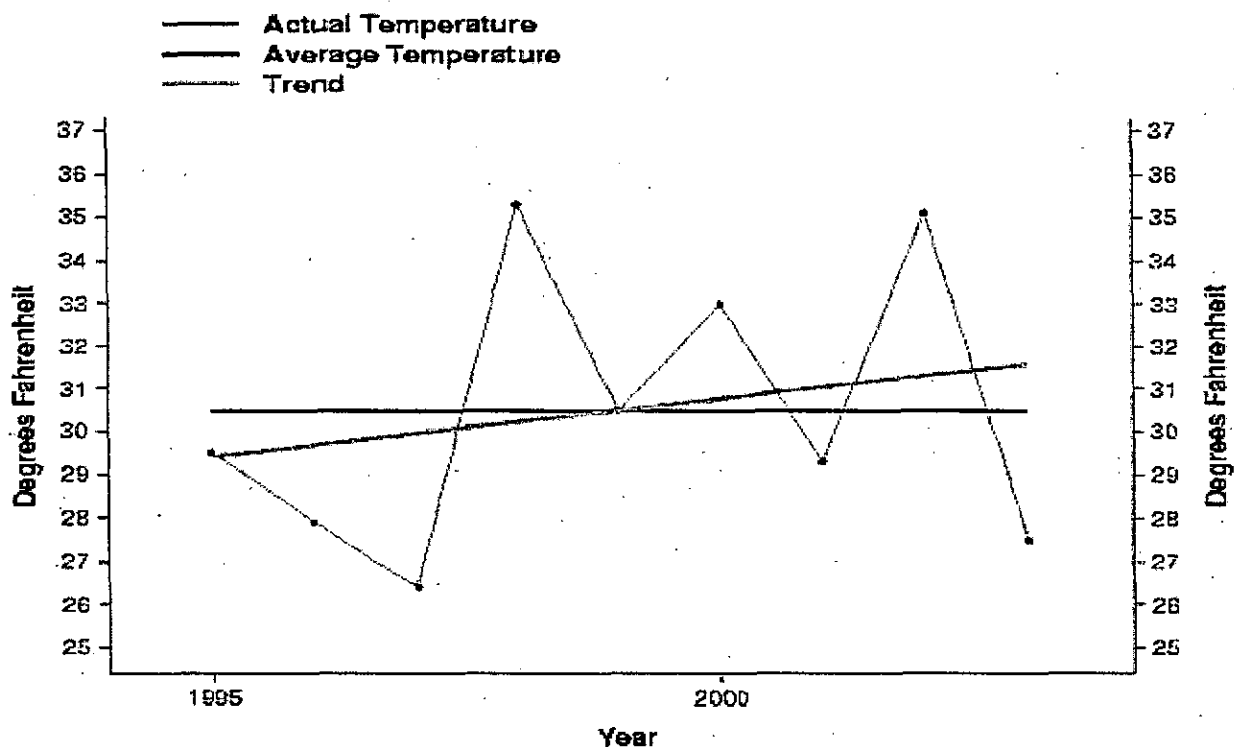
Climate At A Glance



January Temperature Missouri

January 2003: 27.5 degF Rank: 2nd

January 1995 - 2003 Average = 30.50 degF
January 1995 - 2003 Trend = 2.85 degF / Decade

[NCDC / Climate At A Glance / Climate Monitoring / Search / Help](#)

This graph was dynamically generated 09 /08 /2003 at 14:20:31
via <http://www.ncdc.noaa.gov/oa/climate/research/cag3/NA.html>
Please send questions to Jay.Lawrimore@noaa.gov
Please see the NCDC Contact Page if you have questions or comments.

[NCDC](#) / [Climate At A Glance](#) / [Climate Monitoring](#) / [Search](#) / [Help](#)

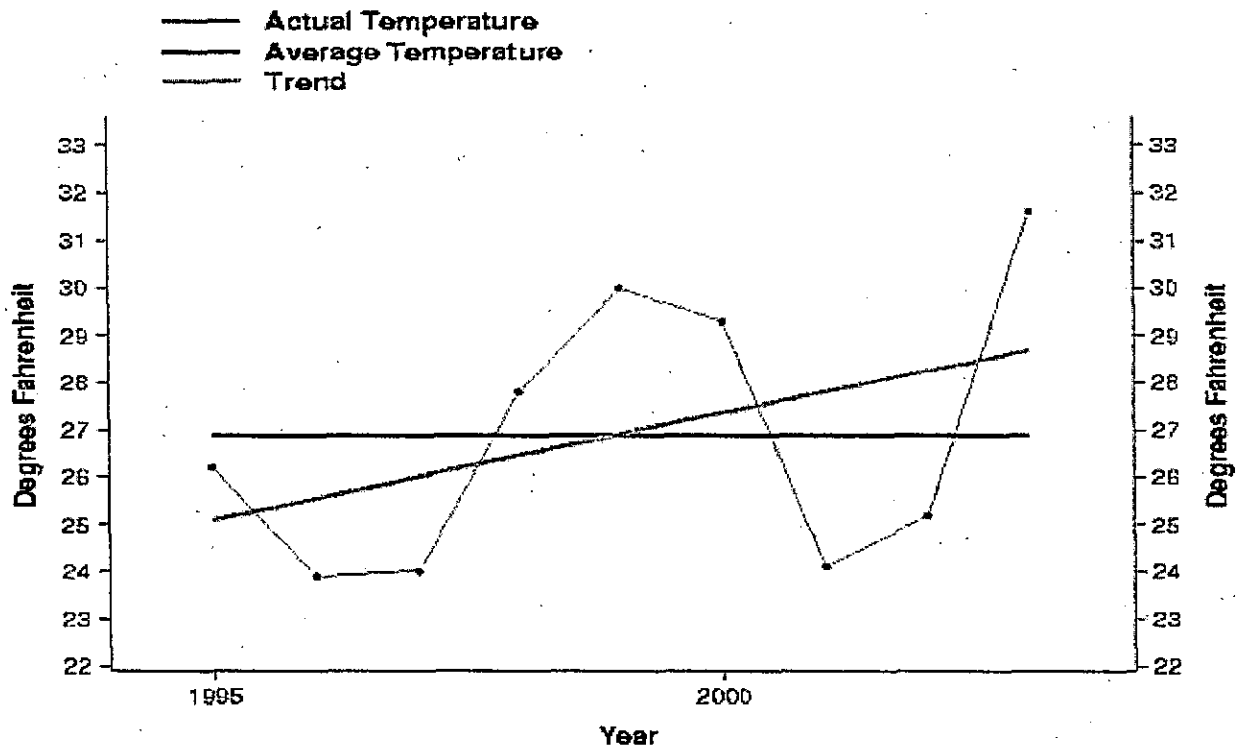
Climate At A Glance



January Temperature Colorado

January 2003: 31.6 degF Rank: 9th

January 1995 - 2003 Average = 26.90 degF
January 1995 - 2003 Trend = 4.53 degF / Decade

[NCDC](#) / [Climate At A Glance](#) / [Climate Monitoring](#) / [Search](#) / [Help](#)

This graph was dynamically generated 09 /08 /2003 at 14:24:17

via <http://www.ncdc.noaa.gov/oa/climate/research/cag3/NA.html>

Please send questions to Jay.Lawrimore@noaa.gov

Please see the NCDC Contact Page if you have questions or comments.

NCDC / Climate At A Glance / Climate Monitoring / Search / Help



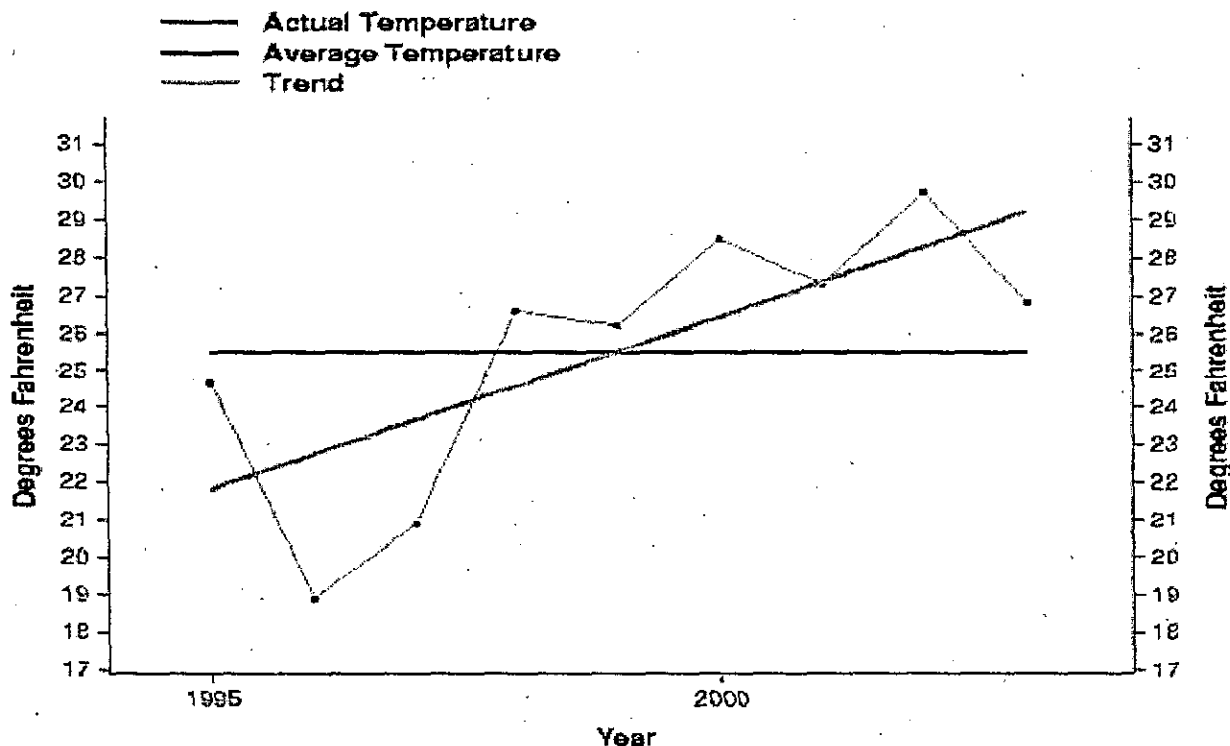
Climate At A Glance



January Temperature Nebraska

January 2003: 26.8 degF Rank: 6th

January 1995 - 2003 Average = 25.51 degF
January 1995 - 2003 Trend = 9.25 degF / Decade



NCDC / Climate At A Glance / Climate Monitoring / Search / Help

This graph was dynamically generated 09/08/2003 at 14:23:46

via <http://www.ncdc.noaa.gov/oa/climate/research/cag3/NA.html>Please send questions to Jay.Lawrimore@noaa.gov

Please see the NCDC Contact Page if you have questions or comments.

NCDC / Climate At A Glance / Climate Monitoring / Search / Help



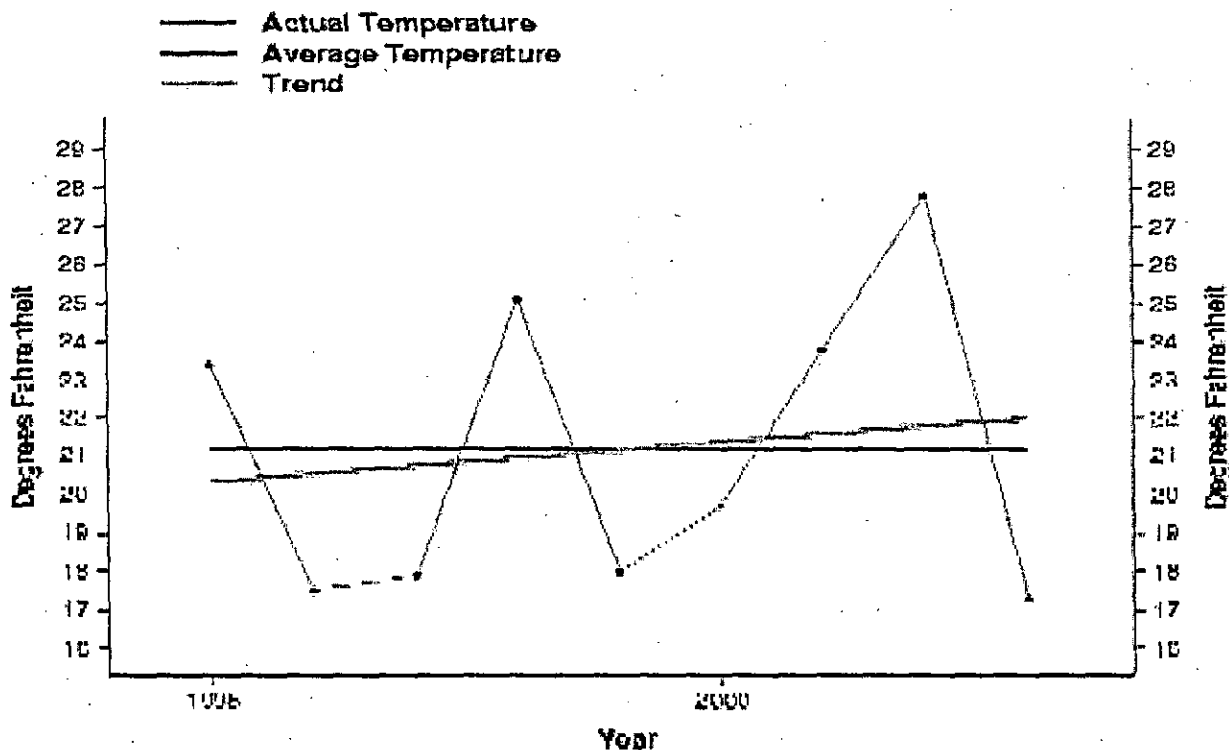
Climate At A Glance



January Temperature Michigan

January 2003: 17.3 degF Rank: 1st

January 1995 - 2003 Average = 21.17 degF
January 1995 - 2003 Trend = 2.15 degF / Decade



NCDC / Climate At A Glance / Climate Monitoring / Search / Help

This graph was dynamically generated 09 /08 /2003 at 14:26:08

via <http://www.ncdc.noaa.gov/oa/climate/research/cag3/NA.html>Please send questions to Jay.Lawrimore@noaa.gov

Please see the NCDC Contact Page if you have questions or comments.

NCDC / Climate At A Glance / Climate Monitoring / Search / Help



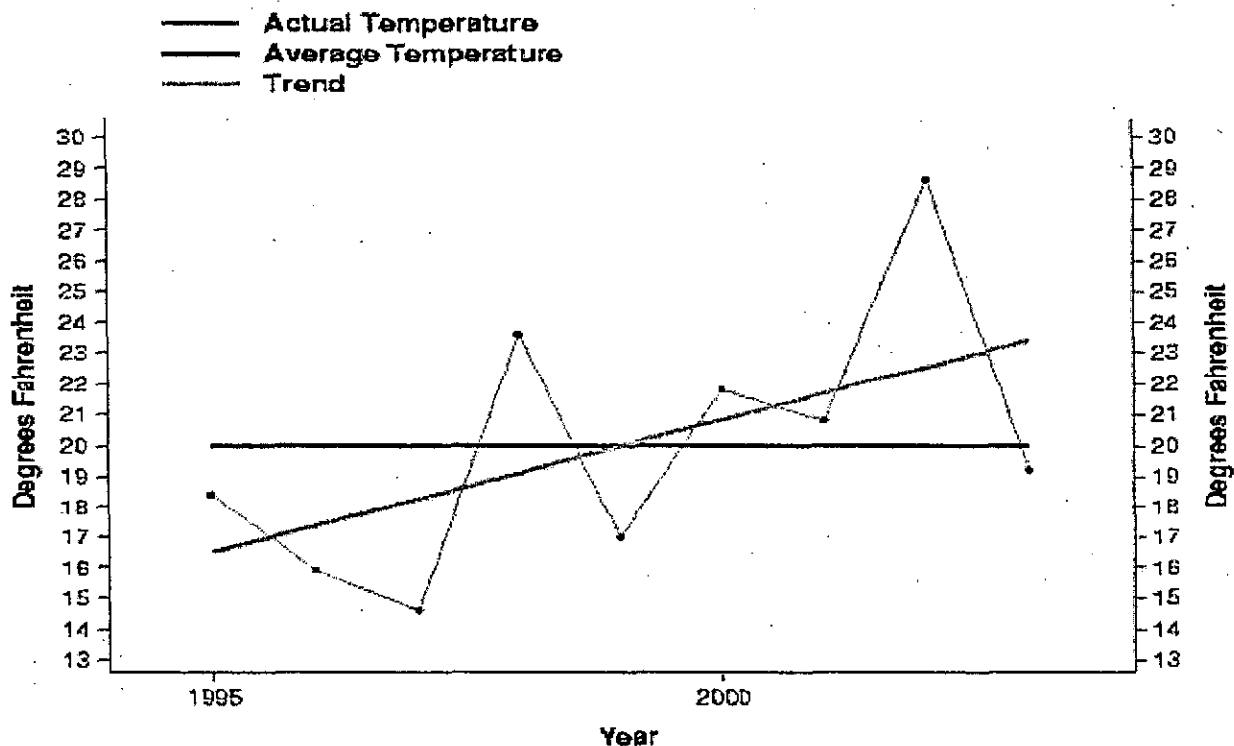
Climate At A Glance



January Temperature Iowa

January 2003: 19.2 degF Rank: 5th

January 1995 - 2003 Average = 19.99 degF
January 1995 - 2003 Trend = 8.65 degF / Decade



NCDC / Climate At A Glance / Climate Monitoring / Search / Help

This graph was dynamically generated 09/08/2003 at 14:24:52

via <http://www.ncdc.noaa.gov/oa/climate/research/cag3/NA.html>

Please send questions to Jay.Lawrimore@noaa.gov

Please see the NCDC Contact Page if you have questions or comments.

NCDC / Climate At A Glance / Climate Monitoring / Search / Help



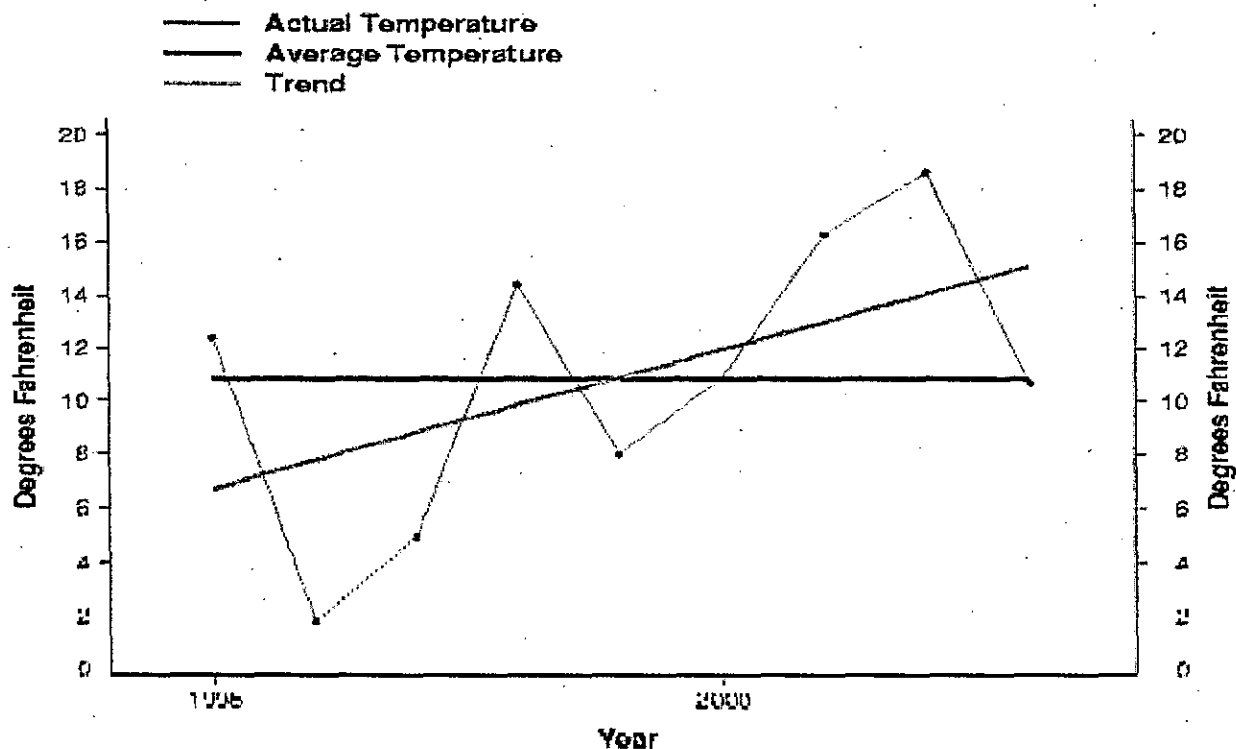
Climate At A Glance



January Temperature Minnesota

January 2003: 10.7 degF Rank: 4th

January 1995 - 2003 Average = 10.90 degF
January 1995 - 2003 Trend = 10.45 degF / Decade



NCDC / Climate At A Glance / Climate Monitoring / Search / Help

This graph was dynamically generated 09/08/2003 at 14:25:42

via <http://www.ncdc.noaa.gov/oa/climate/research/cag3/NA.html>Please send questions to Jay.Lawrimore@noaa.govPlease see the [NCDC Contact Page](#) if you have questions or comments.