

**2005 ANNUAL REPORT OF
ELECTRIC SERVICE RELIABILITY**

FOR

South Beloit Water, Gas and Electric Company

(SBWGE)

May 31, 2006

[411.120 b) 3) A):

A plan for future investment and, where necessary, reliability improvements for the jurisdictional entity’s transmission and distribution facilities that will ensure continued reliable delivery of energy to customers and provide the delivery reliability needed for fair and open competition, along with the estimated cost of implementing the plan and any changes to the plan from the previous annual report.

- i. The plan must cover all operating areas, including a description of the relevant characteristics of each operating area and the age and condition of the jurisdictional entity’s equipment and facilities in each operating area.**

The SBWGE service territory includes the villages of South Beloit and Rockton, which are predominately urban, and the surrounding rural areas in the townships of Rockton and Roscoe, Winnebago County. SBWGE serves the territory with a radial 12.47 kV distribution system from four 69/12.47 kV substations. Transmission services in the area are provided by a 69 kV networked transmission system owned and operated by American Transmission Company, LLC (ATC).

- ii. The plan shall cover a period of no less than three years following the year in which the report was filed.**

SBWGE’s plan to support continued reliable electric service consists of two parts. The first part is recurring engineering, maintenance, and operations activities. The second part is unique projects developed to address specific situations. Recurring activities may generate a follow-up project.

SBWGE is committed to reliable service to our customers and has operating practices in place to monitor equipment and events that may affect reliability. Many of these periodic practices are similar to other utilities such as tree trimming, line inspections, system peak load reviews, etc.

Some examples of additional steps that SBWGE takes to maintain overall reliability, and improve pockets of poor performance, are discussed below.

Substation Predictive Maintenance program including:

- Infrared Substation Surveys
- Ultrasonic Surveys
- Vibration Analysis
- Dissolved Gas in Oil Analysis
- Predictive Maintenance

The following corrective actions were taken in 2005 due to needs identified in SBWGE’s inspection and testing program.

Substation	Action Taken	Date
Park Avenue	Replaced transformer motor capacitor	12/8/2005

Zone Reliability Teams

SBWGE has a “Zone Reliability Team” (ZRT) tasked with maintaining reliability and correcting pockets of poor performance. The team consists of the Manager of Customer Service, Manager of Substation Maintenance, Distribution Engineer, Delivery System Planner, and others as needed. Generally, the team meets at least once per quarter.

The ZRT reviews historical electric reliability reports (discussed in more detail below) and individuals share their knowledge of activity in the zone to look for improvement opportunities. The advantage to the team based approach is that it allows more efficient asset management. A proposed solution can be reviewed from various perspectives, i.e. reliability, maintenance, construction, load growth, life expectancy, to identify the most appropriate corrective plan.

Generally the teams recommend an action plan to correct a near term reliability challenge with maintenance steps. However, the team may also work together to identify small and even large capital projects for service and reliability improvement.

Zone Reliability Teams also create and maintain contingency switching procedures to serve customers. In the event of a large equipment failure, service can be quickly restored to customers because these procedures are already identified.

Historical Reliability Review

Reports of historic outages are provided periodically to the Zone Reliability teams. For example, the manager of customer service is notified of outages with more than 30,000 customer minutes or which last longer than 120 minutes for overhead systems or 180 minutes for underground systems.

Additional reports show customers with a larger than typical number of outages, or feeders or devices with a larger than typical number of outages over a period of time. From this data, the zone reliability teams can target maintenance or operations efforts that can greatly improve individual customer reliability.

Engineering-System Planning

A planning study of the entire SBWGE territory was completed in 2001. Data considered in the study included the existing system capacity and loads, voltage levels at peak loads under normal switching conditions and the contingency loss of any substation transformer, reliability indices and outages by cause for each circuit, and projected load growth in the area for the next 10 years. Specific projects were identified to achieve an adequate level of service and reliability for 10 years following completion of the study. These projects are listed in Section 411.120 b) 3) A) iii below.

In addition to the 2001 study, substation and circuit loading levels are reviewed annually following the system peak, and any substation transformer exceeding 80% of its nameplate loading or any circuit exceeding 300 amps will be cause to review that substation or circuit and identify remedial action.

iii. The plan shall identify all foreseeable reliability challenges and describe specific projects for addressing each.

Reliability Challenges:

SBWGE identified several reliability challenges in its 2001 distribution planning study. Many of those challenges were related to the forecasted rapid economic and electrical load growth of the area. The study identified the need for a new substation in the southern part of Rockton to meet the growing load.

SBWGE continually monitors load growth to ensure that projects are implemented at the appropriate time. The load growth predicted in the 2001 study has not been realized. Based on the most recent load projections, the substation will be needed no earlier than 2008. At the time of this report, an application for interconnection to ATC's transmission system has been approved, land has been purchased, zoning requirements have been met, a railroad crossing permit has been received, and a driveway has been installed. Further construction will take place when warranted by load growth in the area.

Certain projects have been identified to meet voltage and capacity requirements or for other reasons, and these projects are also expected to result in reliability improvements. These projects are outlined below:

Project Name	Est. Cost	Est. In-Service Date	Voltage/Capacity Need	Reliability Improvement
East/West River St Rebuild	\$111,588	Placed in service 02/2004	Conductor overload under contingency switching.	SAIFI reduction for SHWJ676, 1 outage over 5 years would be eliminated.
River Road New Substation	\$1,216,013	12/31/2008	New load in the area will exceed existing system capacity within the next 5-10 years; also inadequate backup capacity exists for some circuits.	SAIFI reduction for customers presently served by EARJ1757 and SHWJ676 by splitting the load onto new feeders.
E Rockton, McCurry, Willowbrook Rds RBLD	\$189,053	Placed in service 10/15/2004	Low voltage and conductor overload under contingency switching.	SAIFI reduction for customers currently served by EARJ1862 and EARJ535, 1 outage over 5 years would be eliminated.
Shaw J690-S Feeder Addition	\$168,761	Placed in service 8/24/2004	Low voltage and conductor overload under contingency switching.	SAIFI reduction for customers presently served by SHWJ1797 by splitting the load onto a new feeder. This project will also create an additional contingency backup source.
Warren St Cable Replacement 0.5 Mi 1 Ph	\$45,893	7/31/2006	34-37 year-old cable to be replaced.	3 outages over 5 years would be eliminated.
RIRJ1268 River Rd New Feeder, Hononegah/McCurry Rd	\$248,483	12/31/2008	Low voltage and conductor overload under contingency switching.	This project results in the ability to back up circuits EARJ535 and EARJ539 in the event of a substation outage.
Whittwer Rd Rebuild	\$41,600	12/31/2007	50-year-old line to be replaced	2 outages over 5 years would be eliminated.

iv. The plan shall provide a timetable for achievement of the plan's goals.

The timetable is included in the table under section 411.120 b) 3) A) iii above.

v. The plan shall report and address all unresolved reliability complaints about the jurisdictional entity's system received from other utilities, independent system operators, and alternative retail electric suppliers.

SBWGE has no unresolved reliability complaints.

vi. The plan shall report the specific actions, if any, the jurisdictional entity is taking to address the concerns raised in such complaints received from other utilities, independent system operators, and alternative retail electric suppliers.

SBWGE has not received any complaints from other utilities, ISO's or ARES's. However, any complaints received will be promptly investigated and appropriate corrective actions will be taken.

vii. The plan must consider all interruption causes listed in Section 411.120(b)(3)(D).

Interruptions from all causes are recorded and used in preparing reports to be reviewed by the Zone Reliability Team.

viii. The plan must consider the effects on customers and the cost of reducing the number of interruptions reported as required by Section 411.120(b)(3)(C).

Projects which are necessary to maintain capacity and voltage support under normal switching conditions are assigned a required in-service date to ensure adequate service to customers continues to be provided. Other projects are prioritized using a benefit/cost ratio, which takes into account the expected reduction in outage frequency, duration, and the number of customers that will experience the outage reduction. The anticipated outage reductions are quantified and compared with project costs. Projects that will have the greatest direct benefit to customers relative to cost are done first.

[411.120 b) 3) B):

A report of the jurisdictional entity’s implementation of its plan filed pursuant to subsection (b)(3)(A) for the previous annual reporting period, including an identification of significant deviations from the first year of the previous plan and the reasons for the deviations.

Status Update for Plan Filed in the 2004 Annual Report

Project Name	Estimated Cost	Estimated In-Service Date, 2004 Report	Actual In-Service Date, If Completed	Estimated In-Service Date for 2005 Report
East/West River St Rebuild	\$111,588	02/2004	02/27/2004	
River Road New Substation	\$1,216,013	06/01/2007		12/31/2008
E Rockton, McCurry, Willowbrook Rds RBLD	\$189,053	10/01/2004	10/15/2004	
Shaw J690-S Feeder Addition	\$168,761	12/31/2004	08/24/2004	
Warren St Cable Replacement 0.5 Mi 1 Ph	\$45,893	12/31/2005		07/31/2006
RIRJ1268 River Rd New Feeder, Hononegah/McCurry Rd	\$248,483	12/31/2007		12/31/2008
Whittwer Rd Rebuild	\$41,600	12/31/2006		12/31/2007

The following changes have been made from the 2004 report:

- The River Road New Substation project has been delayed until 2008 due to the area load growth being slower than predicted.
- The Warren St Cable Replacement project has been delayed until the summer of 2006 due to construction difficulties. Obstacles along the cable route require more directional boring than originally anticipated.
- The RIRJ1268 River Rd New Feeder project has been delayed until 2008 because it is a companion project to the River Road New Substation.
- The Whittwer Rd Rebuild project has been delayed until 2007 due to budget constraints and prioritization of projects.

[411.120 b) 3) C):

The number and duration of planned and unplanned interruptions for the annual reporting period and their impacts on customers.

Planned and Unplanned Interruptions in 2005

Interruption Type	Number of Interruptions	Average Duration (Per customer interruption)
Planned	13	69 minutes
Unplanned	166	135 minutes

In 2005, SBWGE needed to take 13 outages to support the maintenance and operations of the system. These outages impacted 294 customers with outage durations between 6 and 185 minutes. SBWGE is well aware that planned outages impact our customers, but safety requires some planned outages. SBWGE works to minimize the impact of planned outages through scheduling, advanced customer notification, and re-routing customer service whenever possible. Planned outages often prevent future unplanned outages so the overall impact to customer reliability is positive.

The unplanned outages that SBWGE customers experienced in 2005 ranged from 8 to 1,394 minutes. The longest outages were due to a thunderstorm on September 13, 2005 which struck a wide area of Northern Illinois and Southern Wisconsin with wind gusts peaking over 50 mph. This storm resulted in significant damage to the distribution system. The storm's impact to customers is discussed more in section b) 3) G) ii.

[411.120 b) 3) D):

The number and causes of controllable interruptions for the annual reporting period.

As agreed upon by the Illinois electric utilities and the ICC in a letter dated April 21, 2004, SBWGE will provide information on all outages to customers in 2004. This information is provided in a supplement to the annual reliability report included in Appendix A.

[411.120 b) 3) E):

Customer service interruptions that were due solely to the actions or inactions of another utility, another jurisdictional entity, independent system operator, or alternative retail electric supplier for the annual reporting period.

On November 11, 2005, American Transmission Company, the company which supplies transmission services to SBWGE, had a cable failure which interrupted electric service to 52 SBWGE customers for 59 minutes.

[411.120 b) 3) F):

A comparison of interruption frequency and duration for customers buying electric energy from the jurisdictional entity versus customers buying electric energy from another utility or alternative retail electric supplier for the annual reporting period. A jurisdictional entity may base this comparison on each customer's supplier as of December 31. A jurisdictional entity need not include this information for customers whose electric energy supplier is not known to the jurisdictional entity.

At this time SBWGE has no customers that receive power from another utility or an alternative retail electric supplier.

[411.120 b) 3) G)]:

A report of the age, current condition, reliability and performance of the jurisdictional entity's existing transmission and distribution facilities, which shall include, without limitation, the data listed below. In analyzing and reporting the age of the jurisdictional entity's plant and equipment, the jurisdictional entity may utilize book depreciation. Statistical estimation and analysis may be used where actual ages and conditions of facilities are not readily available. The use of such techniques shall be disclosed in the report.

- i. A qualitative characterization of the condition of the jurisdictional entity's system defining the criteria used in making the qualitative assessment, and explaining why they are appropriate.**

Based on experience, SBWGE has found that pole age is one indicator of overall condition of the overhead distribution system. This would include conductors, switches, grounding, anchoring, transformers, etc. The SBWGE distribution system has approximately 6,040 poles in-service with an estimated average age of approximately 26 years, based on GIS records. Pole inspections and testing show less than 0.7% of the poles are currently in need of replacement. With an overall average age of less than 30 years and a pole rejection rate of less than 1%, the overhead distribution system is in good condition.

Similarly, SBWGE's experience has shown that cable age is one indicator of the overall condition of the underground distribution system. The SBWGE system has approximately 97 miles of underground cable in-service with an average age of approximately 13 years. At this time SBWGE has 10.7 miles, or 11%, of underground cable over 25 years of age. With this percentage of cable older than 25 years, the system can be considered to be in good condition.

The SBWGE distribution system also includes 4 substations. Based on condition assessments of the major components, infrared scans, major component age and existing corrective and preventative maintenance activities, each of these stations is currently in good working order.

Station Equipment	Average Age*
Battery Systems	9
Power Transformers	12
Reclosers	12
Voltage Regulators	20

* Average age is an estimate based on information contained in Alliant Energy's maintenance management system.

- ii. & vii. A summary of the jurisdictional entity's interruptions and voltage variances reportable under this Part, including the reliability indices for the annual reporting period; and**

The corresponding information, in the same format, for the previous 3 annual reporting periods, if available.

No reportable voltage variances other than complete interruptions occurred in 2005. SBWGE had approximately 180 outages resulting in 6,297 interruptions to 4,437 unique customers throughout the course of the year. Nearly 51% of SBWGE customers experienced no sustained interruption in electrical service in 2005.

As shown below, frequency of outages to customers as measured by SAIFI and CAIFI are both down from 2002 and 2003 although slightly over 2004. CAIDI is significantly higher than in previous years due to the impact of a thunderstorm accompanied by wind gusts over 50 mph in some areas on 9/13/2005.

Year	SAIFI	CAIDI	CAIFI
2002	1.30	98	1.69
2003	1.37	34	2.33
2004	0.61	96	1.35
2005	0.69	135	1.42

The event on 09/13/2005 accounted for nearly 28% of all customer interruptions (SAIFI) and 48% of all customer minutes of interruption. If outages due to this event are removed, CAIDI for 2005 SBWGE customers is 96.3 minutes which is comparable to 2002 and 2004 values.

A breakdown of outages and customer minutes of interruption for 2003 – 2005 is provided in Appendix A. Prior to 2003, outage causes were reported using the descriptions shown in the 2002 data given below. Therefore, 2002 data may not be directly comparable with the following years' data in Appendix A.

2002 Outage Summary

DESCRIPTION	Number Of Interrupts	Percent Of Total Interruptions	Total Outage Duration, Minutes	Percent Total Outage Duration
ACCIDENT/OUTAGE BY OTHERS	28	10.94%	3077	14.80%
ANIMAL	41	16.02%	2820	13.56%
EQUIPMENT FAILURE	52	20.31%	6765	32.54%
FOREIGN/OTHER UTILITY	2	0.78%	106	0.51%
HIGH WINDS	7	2.73%	522	2.51%
LIGHTNING	37	14.45%	3128	15.04%
OTHER	42	16.41%	562	2.70%
OVERLOAD	1	0.39%	159	0.76%
PLANNED	5	1.95%	196	0.94%
SWITCHING ERROR	2	0.78%	39	0.19%
TESTING	1	0.39%	0	0.00%
TRANSFORMER FAILED	2	0.78%	363	1.75%
TREE GROWTH	21	8.20%	1702	8.19%
UNDERGROUND CABLE	1	0.39%	425	2.04%
UNKNOWN	14	5.47%	927	4.46%
Total	256	100.00%	20791	100.00%

- iii. The jurisdictional entity's expenditures for transmission construction and maintenance for the annual reporting period expressed in constant 1998 dollars, the ratio of those expenditures to the jurisdictional entity's transmission investment, and the average remaining depreciation lives of the entity's transmission facilities, expressed as a percentage of total depreciation lives.

SBWGE does not own transmission facilities.

- iv. & vii. The jurisdictional entity's expenditures for distribution construction and maintenance for the annual reporting period expressed in constant 1998 dollars, the ratio of those expenditures to the jurisdictional entity's distribution investment, and the average remaining depreciation lives of the entity's distribution facilities, expressed as a percentage of total depreciation lives; and

The corresponding information, in the same format, for the previous 3 annual reporting periods, if available.

Annual SBWGE Distribution Expenditures (1998 \$)*

	<u>2005</u>	<u>2004</u>	<u>2003</u>	<u>2002</u>
Construction	\$ 529,738	\$ 1,227,407	\$ 1,804,508	\$ 563,027
O&M	\$ 345,150	\$ 587,394	\$ 525,548	\$ 397,603
Total	\$ 874,887	\$ 1,814,801	\$ 2,330,057	\$ 960,630

Ratio of Annual SBWGE Distribution Expenditures to Total SBWGE Distribution Investment (1998 \$) *

	<u>2005</u>	<u>2004</u>	<u>2003</u>	<u>2002</u>
Distribution Investment	16,872,111	16,177,925	15,789,420	14,270,228
Ratio <u>Total Expenditures</u> Distrib Investment	5.2%	11.2%	14.8%	6.7%

*Annual inflation rate	Year	<u>2005</u>	<u>2004</u>	<u>2003</u>	<u>2002</u>	<u>2001</u>	<u>2000</u>	<u>1999</u>
	Rate	4.48%	2.50%	1.88%	2.38%	1.55%	3.39%	2.68%

*After 2003, inflation is equal to BLS Producer Price Index for Electric Power Distribution Industry
2003 - 1999 inflation information obtained from the Ibbotson Associates 2004 SBBI Yearbook.

SBWGE Electric Distribution Plant Remaining Depreciation Life

Acct	Description	Year	Plant in Service 12/31	Average Age*	Average Remaining Depreciation Life (Yrs)	Average Remaining Depreciation Life (Percent)
361	Structures & Improvements	2002	\$209,517	11.2	28.8	72%
		2003	\$210,134	7.6	32.4	81%
		2004	\$210,134	8.6	31.4	79%
		2005	\$224,363	10.4	29.6	74%
362	Substation Equipment	2002	\$2,216,212	7.9	24.1	75%
		2003	\$2,401,184	7.6	24.4	76%
		2004	\$2,476,428	8.4	23.6	74%
		2005	\$2,708,799	10.1	21.9	68%
364	Poles, Towers & Fixtures	2002	\$1,933,093	27.6	12.4	31%
		2003	\$2,354,265	12.8	27.2	68%
		2004	\$2,660,701	12.2	27.8	70%
		2005	\$2,816,061	12.6	27.4	69%
365	OH Conductors & Devices	2002	\$1,804,250	30.6	9.0	23%
		2003	\$2,419,362	12.9	26.1	67%
		2004	\$2,992,203	11.2	27.8	71%
		2005	\$3,265,241	11.3	27.7	71%
366	Underground Conduit	2002	\$40,721	5.2	34.8	87%
		2003	\$76,860	1.9	38.1	95%
		2004	\$78,068	2.8	37.2	93%
		2005	\$80,600	2.9	36.1	90%
367	UG Conductors & Devices	2002	\$3,736,581	11.5	22.5	66%
		2003	\$4,515,117	7.7	26.3	77%
		2004	\$4,517,352	8.6	25.4	75%
		2005	\$5,065,635	8.8	25.2	74%
368	Line Transformers	2002	\$2,541,066	22.3	8.6	28%
		2003	\$2,497,474	17.7	13.2	43%
		2004	\$2,517,720	18.5	12.4	40%
		2005	\$2,517,720	19.5	11.4	37%
369.0	Services - Overhead	2002	\$269,311	32.1	-2.1	-7%
		2003	\$269,464	16.1	13.9	46%
		2004	\$269,463	17.1	12.9	43%
		2005	\$273,736	17.8	12.2	41%
369.2	Services – Underground	2002	\$2,042,582	13.7	21.3	61%
		2003	\$2,048,724	10.3	24.7	71%
		2004	\$2,048,062	11.4	23.6	67%
		2005	\$2,248,028	11.6	23.4	67%
370	Meters	2002	\$616,474	15.0	0.0	0%
		2003	\$615,946	15.4	-0.4	-3%
		2004	\$568,257	16.2	-1.2	-8%
		2005	\$742,806	13.5	1.5	10%
373	Street Lighting & Signaling	2002	\$298,910	11.1	7.3	40%
		2003	\$304,582	9.5	8.9	48%
		2004	\$308,016	10.3	8.1	44%
		2005	\$326,298	10.7	7.7	42%

*Average age was based on weighting of plant in service balances by vintage.

- v. & vii. The results of a customer satisfaction survey completed during the annual reporting period and covering reliability, customer service, and customer understanding of the jurisdictional entity's services and prices; and

The corresponding information, in the same format, for the previous 3 annual reporting periods, if available.

The table below shows the mean rating, out of 10, by customer class.

	2005 Results		2004 Results		2003 Results		2002 Results	
	Residential	Non-Residential	Residential	Non-Residential	Residential	Non-Residential	Residential	Non-Residential
Reliability	8.88	9.05	9.04	9.12	8.79	8.90	8.78	9.04
Service	8.80	8.88	8.88	8.96	8.71	8.85	8.78	8.85
Rates	7.24	6.93	7.62	7.19	7.35	7.37	7.41	7.30

- vi. & vii. An overview pertaining to the number and substance of customers' reliability complaints for the annual reporting period and their distribution over the jurisdictional entity's operating areas; and

The corresponding information, in the same format, for the previous 3 annual reporting periods, if available.

Substance of Complaints	Number of Complaints			
	2005	2004	2003	2002
Outage Frequency	0	0	1	0

[411.120 b) H]):

A table showing the achieved level of each of the three reliability indices of each operating area for the annual reporting period (provided however, that for any reporting period commencing before April 1, 1998, a jurisdictional entity will not be required to report the CAIFI reliability index).

SBWGE is not divided into smaller operating areas.

Year	SAIFI	CAIDI	CAIFI
2002	1.30	98	1.69
2003	1.37	34	2.33
2004	0.61	96	1.35
2005	0.69	135	1.42

[411.120 b) I):

A list showing the worst-performing circuits for each operating area for the annual reporting period with the understanding that the designation of circuits as “worst-performing circuits” shall not, in and of itself, indicate a violation of this Part.

Circuit	Nominal Voltage	Substation	Area Served	Rural or Urban	Cust Served	Year	SAIFI	CAIDI	CAIFI
EAR J1862	12.47	East Rockton	Rural area SE of South Beloit – Willowbrook Rd to County Line Rd, Prairie Hill Rd to Rockton Rd	Rural	695	2005	1.58	150.2	1.58
						2004	0.60	114.8	1.17
						2003	2.24	25.9	2.24
ESB J615	12.47	East Beloit (Beloit, WI)	Rural area east of South Beloit	Rural	571	2005	1.49	182.5	1.82
						2004	1.61	115.8	1.69
						2003	1.26	46.13	1.34
EAR J531	12.47	East Rockton	Rural areas east of Rockton and South Beloit	Rural	130	2005	0.19	819.0	1.14
						2004	1.06	103.0	1.06
						2003	4.23	36.69	4.23

Note: The highlighted values are those for which a circuit was designated as a worst circuit.

[411.120 b) 3) J):

A statement of the operating and maintenance history of circuits designated as worst-performing circuits; a description of any action taken or planned to improve the performance of any such circuit (which shall include information concerning the cost of such action); and a schedule for completion of any such action. (The jurisdictional entity may decide, based on cost considerations or other factors, that it should take no action to improve the performance of one or more circuits designated as worst performing circuits. If the jurisdictional entity decides to take no action to improve the performance of one or more circuits designated as worst-performing circuits, the jurisdictional entity shall explain its decision in its Annual Report).

Circuit ID EARJ1862

This circuit is a worst-performer due to a SAIFI of 1.58. There were a total of 21 outages on the circuit:

- | | |
|------------------------------|-------------------------------|
| 11 storm related | 4 animal related |
| 1 melted fuse – replaced | 1 natural tree growth |
| 1 bad connection – repaired | 1 loose Copperweld - repaired |
| 1 bad transformer – replaced | 1 unknown |

On 9/13/05, a severe storm broke a 1992 vintage pole on the main three-phase line. This accounted for 1688 customers of the 2122 customers out on this circuit for the year. Eliminating this outage would drop SAIFI to 0.32. J1734 was out twice due to lightning and J1085 was out once due to lightning. Fuse J1240 melted out on a calm and clear day.

Review of the 2005 outages on this circuit resulted in three action items:

- J1240-30T to be upgraded to a disconnect switch as a result of this fuse link melting under normal conditions. After reviewing the loading of the downstream transformers, an overloaded condition was most likely the cause.
- J1734-12T to be upgraded to a 20T fuse. This fuse serves a five span single transformer tap.

[411.120 b) 3) L):

Commencing June 10, 2001, for those customers who experienced interruptions in excess of the service reliability Targets, a list of every customer, identified by a unique number assigned by the jurisdictional entity and not the customer's name or account number, and the number of interruptions and interruption duration experienced in each of the three preceding years, and the number of consecutive years in which the customer has experienced interruptions in excess of the service reliability targets.

No individual SBWGE customer has experienced interruptions in excess of either of the service reliability conditions, i.e. more than six interruptions or total interruption duration of more than eighteen hours, for each of the last three years.

As agreed upon by the Illinois electric utilities and the ICC in a letter dated April 21, 2004, the analysis to determine individual customer electric reliability performance includes all outages, controllable and uncontrollable.

[411.120 b) 3) M):

The name, address and telephone number of a jurisdictional entity representative who can be contacted for additional information regarding the Annual Report.

Any requests for additional information should be directed to:

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Appendix A: Supplement to SBWGE Annual Reliability Report
2004 SBWGE Summary of Controllable and Uncontrollable Electrical Interruptions

Cause Category	Description	Year	Number Of Interrupts	Percent of Total Interrupts	Customer Minutes Out	Percent of Total Customer Minutes Out
Animal Related	All Subcategories	2003	42	28.0%	18,680	4.5%
		2004	34	24.6%	26,875	5.0%
		2005		11.2%	6,553	1.0%
Weather Related	Lightning	2003	37	24.7%	190,199	45.5%
		2004	30	21.7%	100,896	18.7%
		2005	34	19.0%	265,609	39.4%
	Wind	2003	7	4.7%	3,400	0.8%
		2004	4	2.9%	35,672	10.0%
		2005	18	10.1%	67,651	10.0%
Overhead Equipment Related	Malfunction	2003	21	14.0%	20,956	5.0%
		2004	20	14.5%	71,648	13.2%
		2005	40	22.3%	77,788	11.5%
Unknown	Unknown	2003	13	8.7%	22,740	5.4%
		2004	6	4.4%	41,638	7.7%
		2005	15	8.4%	37,516	5.6%
Public	Vehicle	2003	8	5.3%	16,963	4.1%
		2004	6	4.4%	163,073	30.6%
		2005	2	1.1%	452	0.1%
	All Other Subcategories	2003	2	1.3%	1,260	0.3%
		2004	6	4.4%	8,944	1.7%
		2005	5	2.8%	20,187	3.0%
Intentional	Scheduled Construction, Maint. or Repair	2003	5	3.3%	1,157	0.3%
		2004	7	5.1%	18,386	3.4%
		2005	13	7.3%	20,388	3.0%
	Public Safety	2003	0	0.0%	0	0.0%
		2004	1	0.7%	129	0.0%
		2005	0	0.0%	0	0.0%
Tree Related	Tree Contact - Primary	2003	5	3.3%	31,914	7.6%
		2004	6	4.4%	23,679	4.4%
		2005	2	1.1%	2,526	0.4%
	Tree Contact - Secondary	2003	5	3.3%	4,476	1.1%
		2004	4	2.9%	1,666	0.3%
		2005	6	3.4%	1,250	0.2%
	Broken Limb - Primary	2003	0	0.0%	0	0.0%
		2004	4	2.9%	10,310	1.9%
		2005	11	6.1%	97,889	14.5%
	Broken Limb - Secondary	2003	0	0.0%	0	0.0%
		2004	2	1.5%	314	0.1%
		2005	5	2.8%	5,185	0.8%
Other Utility	All Subcategories	2003	2	1.3%	100,775	24.1%
		2004	0	0.0%	0	0.0%
		2005	0	0.0%	0	0.0%
Underground Equipment Related	Underground Failure	2003	2	1.3%	4,374	1.1%
		2004	2	1.5%	2,657	0.5%
		2005	4	2.2%	5,401	0.8%
	Malfunction	2003	1	0.7%	1,308	0.3%
		2004	6	4.4%	14,104	2.6%
		2005	4	2.2%	65,183	9.7%
Utility	Other Error	2003	0	0.0%	0	0.0%
		2004	1	0.7%	104	0.0%
		2005	0	0.0%	0	0.0%
TOTAL		2003	150	100.0%	418,202	100.0%
		2004	139	100.0%	520,097	100.0%
		2005	179	100.0%	673,578	100.0%