SOUTH DAKOTA PUBLIC UTILITIES COMMISSION CASE NO. EL05-022

IN THE MATTER OF THE APPLICATION BY OTTER TAIL POWER COMPANY ON BEHALF OF THE BIG STONE II CO-OWNERS FOR AN ENERGY CONVERSION FACILITY SITING PERMIT FOR THE CONSTRUCTION OF THE BIG STONE II PROJECT

PREFILED REBUTTAL TESTIMONY

OF

ROBERT L. DAVIS

SENIOR DIRECTOR

R. W. BECK, INC.

JUNE 16, 2006



PREFILED REBUTTAL TESTIMONY OF ROBERT L. DAVIS

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BEFORE THE SOUTH DAKOTA PUBLIC UTILITIES COMMISSION

2 PREFILED REBUTTAL TESTIMONY OF ROBERT L. DAVIS

3 I. INTRODUCTION

- 4 Q: Please state you name and business address.
- 5 A: My name is Robert L. Davis. My business address is 1000 Legion Place, Suite 1100,
- 6 Orlando, Florida 32801.
- 7 Q: Whom are you employed by and in what capacity?
- 8 A: I am a Senior Director at R. W. Beck, Inc., a nationally recognized independent
- 9 engineering and utility management consulting firm with headquarters in Seattle, Washington.
- 10 R. W. Beck was retained by Central Minnesota Municipal Power Agency (CMMPA) to assist
- 11 CMMPA with its application for an energy conversion facility siting permit for the construction
- of the Big Stone Unit II project in South Dakota and with its Certificate of Need filing for the
- 13 Big Stone Unit II Transmission project in the state of Minnesota. I am the lead project manager
- 14 for the most recent investigations and evaluations of load forecasts and resource expansion for
- 15 the CMMPA members participating in both projects.
- 16 Q: What is your educational background and professional experience?
- 17 A: A biography of my educational background and professional experience is attached to
- this testimony as Applicants' Exhibit 47-A.
- 19 Q: Did you previously submit testimony in this proceeding?
- 20 A: No. However, I submitted direct testimony in the related transmission certificate of need
- 21 proceeding in Minnesota.

- 1 Q: Have you rendered testimony on electric utility matters in other proceedings?
- 2 A: Yes. I have rendered testimony and comments on issues pertaining to certificate of
- 3 needs, resource planning, demand-side management goals and plans, market power, and
- 4 Regional Transmission Organization ("RTO") formation before the states of Texas, Florida,
- 5 South Carolina, and the Federal Energy Regulatory Commission. A summary of my curriculum
- 6 vitae is attached to this testimony as Applicants' Exhibit 47-B.
- 7 Q: Who do you represent in this proceeding?
- 8 A: In this proceeding, I am testifying on behalf of CMMPA, and through CMMPA, thirteen
- 9 municipal electric systems located in the southern portion of the State of Minnesota that have
- 10 elected to participate jointly through CMMPA to acquire an undivided ownership interest in the
- 11 proposed construction and operation of Big Stone Unit II project and transmission
- interconnection facilities proposed in this proceeding.
- The twelve participating members of CMMPA in these projects are: the City of Blue
- Earth, MN; the City of Delano, MN; the City of Fairfax, MN; the City of Glencoe, MN; the City
- of Granite Falls, MN; the City of Janesville, MN; the City of Kasson, MN; the City of Kenyon,
- 16 MN; the City of Mountain Lake, MN; the City of Sleepy Eye, MN; the City of Springfield, MN;
- and the City of Windom, MN.
- Through CMMPA, I am also representing the City of Willmar, Minnesota, which is not a
- 19 member of CMMPA, but which is participating jointly with the other twelve members of
- 20 CMMPA to acquire an undivided ownership interest in the proposed construction and operation
- 21 of Big Stone Unit II and transmission interconnection facilities. Throughout this testimony,
- 22 I will only be addressing issues as they pertain to these thirteen municipal participants in the Big

- 1 Stone Unit II project. Hereafter, these thirteen municipal utilities will be referred to as the
- 2 CMMPA Members.

3 II. PURPOSE AND SUMMARY OF TESTIMONY

- 4 Q: What is the purpose of your testimony?
- 5 A: I will respond on behalf of CMMPA Members to the May 26, 2006 testimony of
- 6 Minnesota Center for Environmental Advocacy (MCEA) witnesses Schlissel and Sommers with
- 7 regard to the need for capacity and issues relating to resource planning, specifically as these
- 8 topics refer to the CMMPA Members.

9 III. NEED FOR AND TIMING OF CAPACITY

- 10 Q: At pages 5 and 6 of their May 26 testimony, MCEA witnesses Schlissel and
- 11 Sommers state that CMMPA does not need additional capacity in 2011. Do you agree?
- 12 A: No. As demonstrated in Applicants' Exhibit 47-C, the most recent analysis of resource
- capacity and peak demand projections developed for the CMMPA Members confirms that the
- 14 CMMPA Members will need capacity additions by 2008. Capacity deficiencies in 2008 and
- 15 2009 are projected to be rather small; however, by 2011, without the addition of the Big Stone
- 16 Unit II, the reserve margin for the CMMPA Members is projected to fall below 10 percent.
- 17 Q: Please briefly describe the analysis recently undertaken by you with respect to the
- 18 CMMPA Member load forecast and resource expansion analysis.
- 19 A: Under my direct supervision, two interrelated analyses were undertaken by R. W. Beck:
- 20 first was an econometric analysis and forecast of demand and energy requirements. Second, we
- 21 performed an optimized generation resource expansion and demand-side management screening
- 22 analysis. The load forecast utilized generally-accepted electric utility industry practices to

- develop separate projections of net energy for load, or NEL, for each of the CMMPA Members.
- 2 Historical data and forecasts of major economic indicators, such as population, gross domestic
- 3 product, retail sales, and personal income for the Minnesota counties of the members were
- 4 combined with historical heating and cooling degree-day weather indicators and projections of
- 5 normal weather conditions to develop the annual projections. These annual NEL projections
- 6 were assessed in the context of other historical information on annual peak demands and monthly
- 7 and hourly loads to develop projections of monthly energy and peak demands and a coincident
- 8 peak demand forecast for the CMMPA Members.
- 9 Q: What are the major findings of the load forecast analysis?
- 10 A: NEL and peak demands of the CMMPA Members are projected to grow at annual growth
- 11 rates of approximately 1.5 percent over the twenty year period from 2006 through 2025.
- 12 Primarily following the forecast trends for major economic indicators used to develop the
- 13 forecast, load growth rates for the CMMPA Members are projected to decline over time, with
- 14 growth rates of approximately 1.6 percent over the first decade of the forecast period (2006
- through 2015), declining to approximately 1.4 percent over the second decade of the forecast
- period (2016 through 2025). The annual coincident peak demand of the CMMPA Members is
- 17 projected to be 177 MW by the summer of 2011 (the summer immediately following the
- anticipated commercial operating date for the Big Stone Unit II). A detailed discussion of the
- methodology and results of the load forecast analysis can be found in the attached Applicants'
- 20 Exhibit 47-C, Resource Expansion Analysis Big Stone Unit II Participating Members.
- 21 O: Please describe the analysis recently undertaken by you with respect to the
- 22 projections of resource expansion for the CMMPA Members?

1 A: As previously mentioned, under my supervision two interrelated analyses were 2 undertaken by R. W. Beck. The second of these analyses, an optimized generation resource 3 expansion and demand-side management screening analysis, was undertaken to identify one or 4 more potential resource expansion plans that could satisfy the multiple objectives of meeting a 5 reasonable 15 percent reserve margin above the coincident peak demands forecast for the 6 CMMPA Members, while minimizing total costs of generation production, operation and maintenance, and capital investments in new resources. The first task for this analysis was an 7 8 investigation of the existing and firmly planned resources of the CMMPA Members and 9 comparison of these resources to forecast coincident peak demands. Through this investigation, 10 I identified the dates when capacity additions would be required by the CMMPA Members.

11 Q: Based on the results of the load forecast and the existing and planned resources of 12

the CMMPA Members, when will the members need to add new capacity resources?

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Assuming a 15 percent planning reserve margin is applied to the forecast of coincident A: peak demands for the CMMPA Members, the members are first in need of capacity additions in 2008. Capacity deficiencies in 2008 are projected to be rather small (less than 2 MW), and capacity needs are projected to increase only slightly in 2009 as certain purchase power contracts are set to expire and other planned resources are scheduled to come online. However by 2011, without the addition of the CMMPA Members' shares of Big Stone Unit II, the reserve margin for the CMMPA Members is projected to fall below 10 percent. Capacity needs are projected to grow by an average of 3.5 MW per year thereafter. By 2025, if no capacity other than currently planned amounts are added, the CMMPA Members would need approximately 58 MW of capacity additions.

IV. RESOURCE PLANNING

2 Q: At pages 23 and 32 of their May 26 testimony, MCEA witnesses Schlissel and

3 Sommers state that CMMPA considered only fossil-fueled alternatives and did not consider

4 renewable or demand-side alternatives as potential alternatives to the Big Stone Unit II

5 Project. Do you agree?

A: No. The recent resource expansion analysis conducted for the CMMPA Members considered wind resources along with fossil-fueled resources as expansion alternatives. In addition to the 30 MW of Big Stone Unit II capacity that the CMMPA Members are acquiring, the resource expansion analysis considered combined-cycle and simple-cycle resources fired with natural gas; a supercritical pulverized coal steam resource fired with sub-bituminous coal; an integrated gasification combined-cycle resource fired on sub-bituminous coal; and a multiple-turbine wind resource facility. Because additional quantities of the Big Stone Unit II above the 30 MW currently secured by the CMMPA Members may become available if changes in participant status occur in the future, an additional 30 MW of Big Stone Unit II capacity was also evaluated for its potential cost-effective adoption by the CMMPA Members.

With regard to demand-side alternatives, the resource expansion analysis considered demand-side resources in two ways. First, the load forecast for the CMMPA Members was developed from historical levels of NEL and peak demand. Any reductions attributable to historical implementations of demand-side programs were, therefore, included in the data used to derive the econometric load forecast. In this way, historical levels of demand-side program reductions and growth in such reductions are implicitly removed from the forecast demands used to establish the future capacity need of the CMMPA Members. Second, the resource expansion

1 analysis included an evaluation of demand-side programs to determine whether demand-side

2 alternatives were more or less costly than the supply-side expansion alternatives.

3 Q: At page 8 of their May 26 testimony, MCEA witnesses Schlissel and Sommers state

4 that the Big Stone II Co-Owners have not shown that the Big Stone II resource is the lowest

cost option as compared to portfolios of renewable and demand side alternatives. Do you

6 agree?

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7 A: No. In the recent resource expansion analysis conducted for the CMMPA Members –

8 potential resource expansion plans were developed using an impartial process that considered

both traditional and renewable resource alternatives. Furthermore, demand-side programs

consistent with costs and load impacts of the existing demand-side programs implemented by the

11 CMMPA Members were evaluated against an expansion plan that included the Big Stone Unit II

project to assess whether it would be less expensive for the CMMPA Members to implement

demand-side programs or build the Big Stone Unit II project.

14 Q: Please briefly describe the resource expansion analysis, attached as Applicants'

15 Exhibit 47-C.

A: The resource expansion analysis was performed using the generation and demand-side

planning optimization analysis software package Strategist, which R. W. Beck licenses from

18 New Energy Associates, a Siemens Company. Strategist employs a dynamic programming

optimization technique combined with a convolution generation dispatch process to approximate

20 the operation of generating resources and power purchases and sales for electric utilities.

21 Through the dynamic optimization process, Strategist explores all potential generation expansion

22 plans that can be produced from a given set of resource alternatives and identifies the best

candidate plans based on the planning objectives identified by the user. For this analysis, I relied 1 2 upon two primary objectives. First, the CMMPA Members must meet a minimum 15 percent 3 reserve margin beginning in 2011. Second, the optimum resource plans must provide for the lowest projected utility costs of all possible alternatives over a 25-year study period from 2011 4 through 2035. Potential resource plans were ranked from lowest to highest cost based on a 5 6 computation of total, present value costs, including generation production costs, operating and 7 maintenance costs, and capital costs for the CMMPA Members over the 25-year study period. 8 The computation of present-value costs also included a quantification of costs beyond the study 9 period, commonly referred to as end effects. 10 From your analysis, which potential resource plan was found to produce to lowest Q: 11 projected costs for the CMMPA Members? 12 A resource expansion plan consisting of the planned 30 MW of the Big Stone Unit II in A: 13 2011, plus an additional 10 MW of installed wind capacity in 2011, followed by 10 MW of 14 supercritical pulverized coal capacity installed every two to three years beginning in 2019, was found to be the least-cost potential resource expansion plan. A detailed discussion of the 15 16 methodology and results of the resource expansion analysis, including a collection of the lowest 17 cost resource plans that were evaluated, can be found in the attached Applicants' Exhibit 47-C. Did you analyze resource expansion cases with significantly more renewable 18 0: 19 resources than the lowest-cost plan? Yes. Over 400 discrete resource expansion case alternatives were evaluated as part of the 20 A: Strategist analysis. While many of these cases were subtle variations on the lowest-cost plan, 21

many sub-optimal plans were also evaluated. As indicated in Applicant's Exhibit 47-C, sub-

- optimal plans that included greater quantities of wind generation resulted in higher total costs for
- 2 power supply for the CMMPA Members.

- 3 Q: What were the results of your investigation to add more than the planned 30
- 4 megawatts of the Big Stone Unit II capacity?
- 5 A: At least 30 additional megawatts of capacity from Big Stone Unit II could be cost-
- 6 effectively added by the CMMPA Members in 2011. This case is not currently contemplated as
- 7 a resource expansion alternative because all of the proposed Big Stone Unit II capacity is already
- 8 allocated to the Big Stone Unit II partners. However, should additional capacity from the Big
 - Stone Unit II become available, the resource expansion analysis found that additional quantities
- 10 of the Big Stone Unit II capacity would provide for lower total present value costs for the
- 11 CMMPA Members as compared with the lowest-cost plan described previously. While the
- 12 reserve margin for the CMMPA Members would obviously far exceed the 15 percent target
- under this case, the lower-cost results of this case can be understood when compared to the
- 14 existing resource alternatives of the CMMPA Members. The CMMPA Members rely heavily on
- 15 market-priced non-firm and economy purchases, and generation from owned lower-efficiency
- steam resources and oil-fired diesel generation to serve their loads. In contrast, savings in energy
- 17 costs the CMMPA Members could receive through low-cost energy available from the proposed
- 18 Big Stone Unit II are projected to offset the incremental fixed and capital costs associated with
- 19 the additional Big Stone Unit II capacity, resulting in lower total costs for power than what is
- 20 available from their existing resources.



- 1 V. DEMAND-SIDE MANAGEMENT (DSM)
- 2 Q: At page 34 of their May 26 testimony, MCEA witnesses Schlissel and Sommers state
- 3 that CMMPA did not compare demand-side measures against supply-side resources. Do
- 4 you agree?
- 5 A: No. In the most recent resource expansion analysis performed for the CMMPA
- 6 Members, demand-side programs were compared against the lowest-cost resource expansion
- 7 plan, which includes the Big Stone Unit II project, to determine whether the demand-side
- 8 programs would result in lower total costs for the CMMPA Members as compared to an
- 9 expansion plan without demand-side programs.
- 10 Q: How was this analysis of demand-side programs performed and what were the
- 11 results?
- 12 A: Demand-side programs were evaluated incrementally against the lowest cost of the
- generating resource expansion cases (the addition of 30 MW of Big Stone Unit II capacity in
- 14 2011 along with 10 MW of wind capacity 2011 and future additions of coal capacity). Average
- demand-side program costs and energy and demand benefits were estimated from Conservation
- 16 Improvement Program reports filed by the CMMPA Members with the Minnesota Department of
- 17 Commerce and other estimates provided by the CMMPA Members. Incremental demand-side
- 18 program costs and load reductions for the CMMPA Members were compared against the best
- 19 generating resource expansion case to determine whether incremental reductions in energy
- 20 production costs and avoided generation capacity costs attributable to the demand-side programs
- 21 would be greater than the cost of the demand-side programs.



- The results of this analysis reveal that the average cost per demand and energy reduction resulting from the CMMPA Member demand-side programs is higher than the marginal avoided costs of generation production and capacity. These results indicate that the existing demand-side programs of the CMMPA Members cause higher total and average operating costs for the members than would otherwise occur if no demand-side programs were implemented by the members and that any increase in funding and implementation of the current demand-side programs of the members would not be cost-effective.
- 8 Q: Does this conclude your prepared testimony?
- 9 A: Yes.

BIOGRAPHY

ROBERT L. DAVIS SENIOR DIRECTOR R. W. BECK, INC.

Mr. Davis, a Senior Director with R. W. Beck, Inc., has over twenty years of experience in electric industry planning and operation. Since joining R. W. Beck in 1990, he has been responsible for various electric industry studies relating to wholesale power markets, power and demand-side planning, generation simulation, risk and probabilistic analyses, RFP development and evaluation, and power supply contracting. His experience encompasses fuel procurement, IPP/cogen assessment, alternative generation technology evaluation, wholesale and retail rate design, utility cost of service analyses, load and customer forecasting, customer surveying, and financial reporting for revenue bond and capital market issuance.

Over the last several years, Mr. Davis has been responsible for leading the firm's deregulated wholesale market analyses throughout much of Eastern North America, including the development of market simulation models to forecast and analyze future power prices, market transactions, project revenue, portfolio values, stranded costs, and market uncertainty. He has investigated and advised clients on issues they will face under deregulation, including the potential timing, structure, and operation of deregulated bulk power markets. Mr. Davis has performed economic feasibility studies investigating the development or acquisition of tens of thousands of megawatts of generating capacity throughout North America and over the last two years was the lead market analyst supporting the successful financing of several billion dollars of generation projects.

Mr. Davis has developed several comprehensive integrated resource plans for utilities balancing objectives of lowest utility operating costs, acceptable risk, and minimization of adverse retail rate impacts. Mr. Davis has submitted testimony before state and federal regulatory bodies and presented findings and conducted training workshops on resource planning and marketing plans to utility staff and management, citizen groups, governing boards, and utility commissions.

Prior to joining R. W. Beck, Mr. Davis worked for five years as a utility analyst in the Strategic Planning Department of a Gainesville Regional Utilities, a municipal electric, natural gas, water and wastewater utilities system located in the north-central Florida, where he was responsible for the design, evaluation, and monitoring of DSM programs. While at the University of Florida pursuing a BS degree in Engineering Sciences and Mechanics, Mr. Davis focused on an interdisciplinary study of alternative energy production technologies and engineering mathematics. Prior to beginning his professional career, his experience included research and development of state residential building codes and energy auditing of utility customers.



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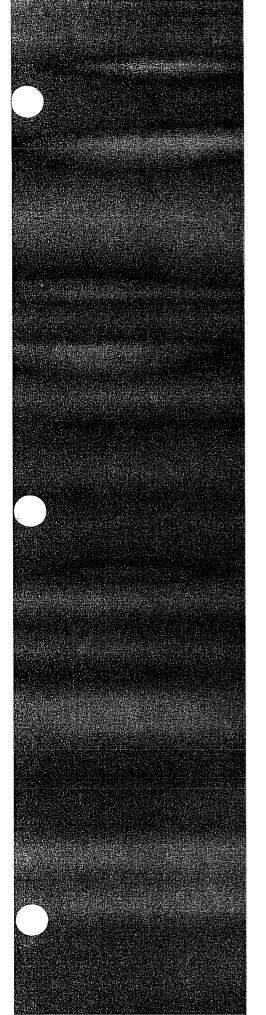
FORUM	PROCEEDING	MATTER	PETITIONER	SUBJECT	DATE
Florida Public Service Commission	Docket No. 020233-EL	GridFlorida RTO Cost/Benefit Analysis Workshop	Seminole Electric Cooperative, Inc. and Florida Municipal Power Agency	Filed comments and testimony before the FPSC on the GridFlorida RTO costbenefit study results, including identification of methodological weaknesses, flawed assumptions, erroneous results	2005
Florida Public Service Commission	Docket No. 020233-EL	GridFlorida RTO Cost/Benefit Analysis Workshop	Seminole Electric Cooperative, Inc. and Florida Municipal Power Agency	Filed comments and testimony before FPSC on proposed GridFlorida RTO cost/benefit analysis, including identification of concerns, requests for information, and recommendations for study modifications	2004
Federal Energy Regulatory Commission	Docket Nos. ER99-3427-000 and ER00-2398-000	Triennial Market Power Update	Baconton Power LLC and SOWEGA Power LLC	Filed market power evaluation in compliance with FERC orders granting market-based rate authority for wholesale sales of electric energy and capacity	2002
Public Service Commission of the State of South Carolina	Docket No. 2001-411-E	Application for Certificate of Environmental Compatibility and Public Convenience and Necessity	Greenville County Power, LLC	Testimony on state and regional market assessment for determination of need for generating capacity in support of power plant siting	2001
Florida Public Service Commission	c Docket No. Petition for Determination Seminole Electric Preparation of filed exhibits 001748-EC of Need for the Osprey Cooperative and for power plant siting,		determination of generation	2000/ 2001	
Florida Public Service Commission	Docket No. 000289-EU	Petition for Determination of Need for an Electrical Power Plant in Lake County		Filed testimony for power plant siting and economic and reliability assessment for determination of generation need	2000
Florida Public Service Commission	Docket No. 000288-EU	Petition for Determination of Need for an Electrical Power Plant in St. Lucie County	Panda Midway Power Partners, L.P.	Filed testimony for power plant siting and economic and reliability assessment for determination of generation need	2000



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CURRICULUM VITAE (CONT.)

FORUM	PROCEEDING	MATTER	PETITIONER	SUBJECT	DATE
Public Utility Commission of Texas	SOAH Docket No. 473-95-1820, PUC Docket No. 15100	Determinations Required by 32K of the Public Utility Holding Act and for Certification of Contract	Electric Cooperative,	Independent performance and evaluation of power and demand-side RFPs	1995/ 1996
Florida Public Service Commission	Docket No. 950446-EG		Florida Municipal Power Agency and Ocala Electric Utility	Evaluation of demand-side management measure cost-effectiveness and establishment of numeric goals	1995
Florida Public Service Commission	Docket No. 950455-EG	Adoption of Numeric Conservation Goals and Consideration of National Energy Policy Act	City of Vero Beach, Florida	Evaluation of demand-side management measure cost-effectiveness and establishment of numeric goals	1995



REPORT

Resource Expansion Analysis Big Stone II Participating Members

Central Minnesota Municipal Power Agency

Prepared by

R. W. Beck, Inc.

JUNE 1, 2006





Resource Expansion Analysis in Support of CMMPA Big Stone II Certificate of Need

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This report has been prepared for the use of the client for the specific purposes identified in the report. The conclusions, observations and recommendations contained herein attributed to R. W. Beck, Inc. (R. W. Beck) constitute the opinions of R. W. Beck. To the extent that statements, information and opinions provided by the client or others have been used in the preparation of this report, R. W. Beck has relied upon the same to be accurate, and for which no assurances are intended and no representations or warranties are made. R. W. Beck makes no certification and gives no assurances except as explicitly set forth in this report.

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EXECUTIVE SUMMARY

R. W. Beck, Inc. ("R. W. Beck") was retained by Central Minnesota Municipal Power Agency ("CMMPA") to develop a load forecast and resource expansion analysis for the thirteen municipal utilities that CMMPA is representing in the Big Stone II Project certificate of needs filings in the states of Minnesota and South Dakota. CMMPA, collectively with six other owner-participants in the Big Stone II Project, submitted its application for a certificate of need in the State of Minnesota on September 30, 2005 The analyses undertaken by CMMPA in support of the (the "Application"). Application were reviewed by the Minnesota Department of Commerce ("DOC"), which recommended that certain aspects of the analyses and supporting documentation submitted by CMMPA in the Application be revised. provided certain recommendations to improve the analysis conducted by CMMPA, which, to paraphrase the DOC recommendations, suggested that CMMPA redress two primary areas of the analysis: (i) the techniques used to develop the load and demand forecast should be more comprehensive, and (ii) a more rigorous optimization technique should be used to examine potential resource expansion plans. This report addresses these recommendations.

On behalf of CMMPA, R. W. Beck performed two interrelated studies, which results are summarized and the methodology and assumptions are documented herein. These studies were:

- A econometric forecast of demand and energy for each of the municipal electric systems of which CMMPA is representing in the Application; and
- A resource expansion analysis, incorporating the results of the load forecast, using an industry-accepted resource expansion optimization software program.

These analyses were conducted for a composite of thirteen municipal electric systems located in the southern and central portions of the State of Minnesota that have elected to participate jointly through CMMPA to acquire an undivided ownership interest in the proposed construction and operation of the Big Stone II Project. Twelve of these entities are current members of CMMPA:

City of Blue Earth, MN ("Blue Earth")
City of Delano, MN ("Delano")
City of Fairfax, MN ("Fairfax")
City of Glencoe, MN ("Glencoe")
City of Granite Falls, MN ("Granite Falls")
City of Janesville, MN ("Janesville")
City of Windom, MN ("Windom")
City of Windom, MN ("Windom")

The thirteenth entity included in the analysis is the City of Willmar, Minnesota, which though not a member of CMMPA, is participating jointly with the other twelve members of CMMPA to acquire an undivided ownership interest in the proposed Big



Stone II Project. Throughout this report, these thirteen municipal electric systems are collectively referred to as the Big Stone II Members.

The results of the load forecast indicate that NEL and peak demands of the CMMPA Members are projected to grow at annual growth rates of approximately 1.5 percent over the twenty year period from 2006 through 2025. Primarily following the forecast trends for major economic indicators used to develop the forecast, load growth rates for the Big Stone II Members are projected to decline over time, with growth rates of approximately 1.6 percent over the first decade of the forecast period (2006 through 2015), declining to approximately 1.4 percent over the second decade of the forecast period (2016 through 2025). The annual coincident peak demand of the Big Stone II Members is projected to be 177 megawatts by the summer of 2011, the summer immediately following the anticipated commercial operating date for the Big Stone Unit II.

Assuming a 15 percent planning reserve margin is applied to the forecast of coincident peak demands for the CMMPA Members, the members are first in need of capacity additions in 2008. Capacity deficiencies in 2008 are projected to be rather small (less than 2 megawatts), and capacity needs are projected to increase only slightly in 2009 as certain purchase power contracts are set to expire and other planned resources are scheduled to come online. However, by 2011, without the addition of the Big Stone Unit II, the reserve margin for the CMMPA Members is projected to fall below 10 percent. Capacity needs are projected to grow by an average of 3.5 megawatts per year thereafter. By 2025, if no capacity other than currently planned amounts is added, the CMMPA Members would need approximately 58 megawatts of capacity additions.

To satisfy this projected need, a resource expansion analysis was undertaken to identify a least-cost resource plan. Over 400 potential expansion plans were developed in the resource expansion analysis. The three plans that ranked lowest in present value cost were identified as the optimum least-cost plans as shown in Table ES-1. The present value utility cost variance shown in the table represents the incremental cost increase for each plan from the lowest-cost plan. All three of the optimum least-cost expansion plans indicate that the Big Stone II Members need to secure 30 MW of Big Stone Unit II capacity in 2011.

- Plan 1, consisting of the planned 30 megawatts of the Big Stone Unit II in 2011, plus an additional 10 megawatts of installed wind capacity in 2011, followed by 10 megawatts of supercritical pulverized coal capacity installed every two to three years beginning in 2019, was found to be the least-cost potential resource expansion plan. Based on the results of this plan, wind turbine capacity of approximately 10 MW is a viable resource option for the Big Stone II Members in 2011. This amount of wind capacity is approximately equal to the Renewable Energy Objective of the Big Stone II Members for 2012.
- Plan 2 delays the installation of the 10 MW wind unit 9 years until 2020 and moves the first 10 MW supercritical coal unit one year forward to 2018. The incremental cost increase from Plan 1 was less than \$1 million.

■ Plan 3 differs from Plan 1 by replacing the final 10 MW of supercritical coal capacity addition in 2035 with 10 MW of IGCC capacity. The incremental cost increase from Plan 1 was \$3.4 million.

Table ES-1: Optimum Least-Cost Potential Expansion Plans

Year of Installation	Plan 1	Plan 2	Plan 3
2011	BS II (30MW) Wind (10MW)	BS II (30MW)	BS II (30MW) Wind (10MW)
2018	_	Coal (10MW)	
2019	Coal (10MW))	_	Coal (10MW)
2020	_	Wind (10MW)	_
2021	Coal (10MW)	Coal (10MW)	Coal (10MW)
2023	Coal (10MW)	Coal (10MW)	Coal (10MW)
2026	Coal (10MW)	Coal (10MW)	Coal (10MW)
2029	Coal (10MW)	Coal (10MW)	Coal (10MW)
2032	Coal (10MW)	Coal (10MW)	Coal (10MW)
2035	Coal (10MW)	Coal (10MW)	IGCC (10MW)
V Utility Cost Variance (2006 \$000)	•	954	3,400

At least 30 additional megawatts of capacity from Big Stone Unit II could be costeffectively added by the Big Stone II Members in 2011. This case is not currently contemplated as a resource expansion alternative because all of the proposed Big Stone Unit II capacity is already allocated to the Big Stone II partners. However, should additional capacity from the Big Stone Unit II become available, the resource expansion analysis found that additional quantities of the Big Stone Unit II capacity would provide for lower total present value costs for the Big Stone II Members as compared with the lowest-cost base plan described previously. While the reserve margin for the Big Stone II Members would obviously far exceed the 15 percent target under this case, the lower-cost results of this case can be understood when compared to the existing resource alternatives of the Big Stone II Members. The Big Stone II Members rely heavily on market-priced non-firm and economy purchases, and generation from owned, lower-efficiency steam resources, and oil-fired diesel generation to serve their loads. In contrast, savings in energy costs the Big Stone II Members could receive through low-cost energy available from the proposed Big Stone Unit II are projected to offset the incremental fixed and capital costs associated with the additional Big Stone Unit II capacity, resulting in lower total costs for power than what is available from their existing resources.

CONCLUSIONS

The resource expansion modeling demonstrates that growth in member and changes in planned capacity results in the need for new capacity additions for the Big Stone II Members in the near future. To meet this need, the Big Stone II Members will need to acquire new capacity resources. Evaluations of available and possible resource alternatives indicate that Big Stone Unit II is a viable, low-cost means for the Big Stone II Members to meet this need. Furthermore, the beneficial results produced by acquiring 30 MW of Big Stone Unit II capacity above the current allocation of the Big Stone II Members underscores the need of the members to obtain low-cost, baseloaded capacity.

DESCRIPTION OF CMMPA

Central Minnesota Municipal Power Agency ("CMMPA") is a not-for-profit municipal corporation and political subdivision of the State of Minnesota, headquartered in Blue Earth, Minnesota. CMMPA was formed in 1987 and currently has 14 members (the "Members"), as listed below.

- City of Blue Earth, MN ("Blue Earth")
- City of Delano, MN ("Delano")
- City of Fairfax, MN ("Fairfax")
- City of Glencoe, MN ("Glencoe")
- City of Granite Falls, MN ("Granite Falls")
- City of Janesville, MN ("Janesville")
- City of Kasson, MN ("Kasson")
- City of Kenyon, MN ("Kenyon")
- City of Lake Crystal, MN ("Lake Crystal")
- City of Mountain Lake, MN ("Mountain Lake")
- City of New Ulm, MN ("New Ulm")
- City of Sleepy Eye, MN ("Sleepy Eye")
- City of Springfield, MN ("Springfield")
- City of Windom, MN ("Windom")

CMMPA is responsible for supplying project power to the Members, who in turn provide low-cost, reliable electric energy and related services directly to customers across south and central Minnesota. Utilities Plus, a power marketing company wholly-owned by CMMPA, assists the Members with the purchase and sale of capacity and energy on a short term or other basis, as requested, and arranges for transmission services for such purchases and sales. The Members rely on Utilities Plus to dispatch the various member resources together with purchases from the market to minimize their total power costs.

CMMPA is a project agency and, as such, CMMPA members determine individually which projects to pursue. Twelve of the CMMPA members – namely, Blue Earth, Kasson, Delano, Kenyon, Fairfax, Mountain Lake, Glencoe, Sleepy Eye, Granite



Falls, Springfield, Janesville, and Windom – have elected to participate jointly through CMMPA to acquire an undivided ownership interest in the proposed construction and operation of the Big Stone II Project. Additionally, the City of Willmar, Minnesota, which is not a member of CMMPA, is participating jointly with these twelve members of CMMPA to acquire the undivided ownership interest in the Big Stone II Project. The twelve CMMPA members and the City of Willmar have signed a power sales agreement with CMMPA to acquire a collective 5.0 percent (approximately 30 MW) ownership interest in Big Stone Unit II.

Throughout this report, the thirteen municipal electric systems are collectively referred to as the Big Stone II Members. All of the loads of CMMPA Big Stone II Members are served in Minnesota.

DESCRIPTION OF THE PROJECT

Big Stone Unit II is a second generating unit planned for construction adjacent to Otter Tail Power Company's ("Otter Tail") Big Stone Unit I located near Big Stone City, South Dakota. The Big Stone II Project (the "Project") entails the construction of the Big Stone Unit II and associated transmission facilities. The six utilities currently participating in the development of the Project along with CMMPA are Otter Tail, Great River Energy, Heartland Consumers Power District, Missouri River Energy Services, MDU Resources Group, and Southern Minnesota Municipal Power Agency (the "Participants"). The Big Stone Unit II is assumed to be a supercritical pulverized coal unit with a total generating capacity of approximately 600 MW. Subject to permitting, commercial operation is scheduled for the spring of 2011.

PURPOSE OF THE ANALYSIS

CMMPA, along with the other Participants, is in the process of filing for a Certificate of Needs for the Project in the state of Minnesota. In accordance with Minnesota Public Utility Commission Rule 7849, one of the requirements for receiving a Certificate of Need involves the demonstration that the Project (or portion thereof, depending on what facilities are located within the state) is the lowest cost option for meeting future power supply requirements. The resource expansion analysis documented herein (the "Analysis") is intended to provide the documentation necessary to show that the Project is the lowest cost resource alternative for the Big Stone II Members.

OBJECTIVES

The resource planning objectives of the Big Stone II Members adopted for this analysis are as follows:

Objective 1: Maintain the adequacy and reliability of power supply. To meet this goal, load projections were first developed for the Big Stone II Members, including an additional 15% for planning reserves. Current plans for resource additions and retirements were then reflected in the analysis. Based on these investigations, the Big Stone II Members are projected to begin experiencing capacity deficiencies by the summers of 2008. Short-term capacity purchases could cover deficiencies early on, but load growth and additional purchase power contract terminations are projected to cause capacity deficiencies to gradually increase over time.

- Objective 2: Keep CMMPA wholesale rates as low as possible. One of the primary objectives of the Analysis was to analyze potential resource plans that would minimize the overall long-term power supply costs to the Big Stone II Members. Resource expansion modeling was performed to identify the resource plan(s) that are projected to produce the lowest present value generation production, fixed, and capital costs for the Big Stone II Members. The analysis examined various potential resource combinations over the 2011 through 2035 timeframe.
- Objective 3: Minimize adverse socioeconomic and environmental effects. The resource expansion analysis utilized Commission-approved environmental externality prices and considered expected costs for mercury and SO2 allowances when computing the least-cost plan. Additionally, wind resources and demand-side management ("DSM") programs were analyzed during the analysis of resource expansion alternatives.

METHODOLOGY

The Analysis was comprised of two primary components, which are summarized below and documented more fully in the following sections of the report.

LOAD FORECAST

A forecast of peak load and net energy requirements for the Big Stone II Members was developed for a 20 year period, beginning fiscal year 2006 through 2025. The load forecast utilized generally-accepted electric utility industry practices to develop separate projections of net energy load for each of the Big Stone II Members. Historical data and forecasts of major economic indicators such as population, gross domestic product, retail sales, and personal income for the Minnesota counties of the Big Stone II Members were combined with historical heating and cooling degree-day weather indicators and projections of normal weather conditions to develop the annual projections. These annual NEL projections were assessed in the context of other historical information on annual peak demands and monthly and hourly loads to develop projections of monthly energy and peak demands and a coincident peak demand forecast for the Big Stone II Members.

RESOURCE EXPANSION ANALYSIS

A resource expansion analysis was performed using the dynamic programming optimization feature of New Energy Associates' Strategist software package.

Potential resource plans developed in the Strategist software were ranked based on the present value total generation production costs and incremental fixed O&M and capital costs for new resource additions. Present value costs were computed over a 25 year planning horizon (2011 through 2035, the "Planning Period"), with end effects being computed for an additional thirty years beyond the Planning Period. Unless currently scheduled for retirement, the existing Big Stone II Member resources were assumed to remain available over the Planning Period. Generic generating resources and the Big Stone II Member portion of the Big Stone Unit II were modeled and made available for Strategist to select from when meeting future capacity and energy requirements.

PRINCIPAL CONSIDERATIONS

In preparing the Analysis, as summarized in this report, we have made certain assumptions with respect to conditions that may occur in the future. These assumptions primarily relate to economic, demographic, weather, commodity price, and costs conditions. With regard to certain of these factors, we have relied upon information provided to us or prepared by others. While we believe the assumptions made by us in preparing the Analysis are reasonable for the purposes of the forecast and projections herein, they are dependent on future events, and actual conditions may differ from those assumed. While we believe the sources of the information provided to us, or prepared by others, to be reliable and the use of such information to be reasonable for the purposes of the forecast and projections herein, we offer no other assurances with respect thereto.

To the extent that economic, demographic, weather, commodity price, costs, or other conditions occur that are different from those assumed by us or from the information provided to us or prepared by others, actual events can be expected to vary from the forecast and projections herein. It should be emphasized that the confidence associated with any forecast varies inversely with the length of the forecast horizon. The probability of other factors affecting forecasted values increases with uncertainty about future developments; this uncertainty increases with the length of the forecast horizon. With this in mind, the Analysis should be seen as providing reasonable estimates of future demand events for the purposes for which the Analysis is intended; which estimates are subject to the future effects of factors that cannot be reasonably foreseen at this time.

OVERVIEW

R. W. Beck has prepared a forecast of peak load and net energy requirements for the Big Stone II Members ("2006 Load Forecast"). A load forecast is a critical input to many utility processes including, but not limited to, generation resource planning, fuel and purchased power budgeting, transmission planning, and financial planning and budgeting. In addition, this forecast constitutes a critical part of Resource Expansion Analysis and Certificate of Need filings of CMMPA in support of the Big Stone II Project. Consequently, a rigorous forecasting process which relies on recognized standards of practice, high quality data, and a thorough review of results by various parties is essential to operations and long-term planning.

The 2006 Load Forecast has been prepared for a 20 year period, beginning fiscal year 2006 through 2025. The Forecast relies on annual, monthly, and hourly load data that were obtained from CMMPA staff and supplemented by Energy Information Administration Form 861 records. Historical and projected economic and demographic data for the counties that surround the Big Stone II Members were provided by Economy.com, a nationally-recognized provider of such data. Beck has also relied on CMMPA staff for information regarding local economic developments and other issues specific to each Big Stone II Member. Weather data was provided by the National Oceanic and Atmospheric Administration ("NOAA") for the Minneapolis-St. Paul airport weather station, a National Weather Service office in close proximity to all of the Big Stone II Members.

The results of the Forecast imply that the total energy requirements of the Big Stone II Members is expected to grow at an annual average rate of 1.6 percent from 2006-2015 and 1.4 percent from 2016-2025. On a normal weather basis, the projected total energy requirements and coincident peak for 2006 are 770 GWh and 162.9 MW, respectively. The aggregate coincident peak of the Big Stone II Members typically occurs in the summer, and more often in July than other summer months.

FORECAST METHODOLOGY

The 2006 Load Forecast relies on a bottoms-up approach in which forecasts of the Big Stone II Members are prepared independently and summed to represent the total of the Big Stone II Members. The following sections provide some detail regarding the analytical steps and calculations that were involved in producing the results.



Forecast of Energy Requirements

A forecast of the annual energy requirements of each Big Stone II Member was developed based on an econometric model that generally utilized historical data over the period 1990 through 2005. All other forecasted load determinants (e.g., monthly energy requirements, monthly and annual peak demand, etc.) are derived from annual energy requirements. Thus, annual energy requirements are the only directly-forecasted load determinant.

Econometric forecasting makes use of regression to establish historical relationships between energy consumption and various explanatory variables based on fundamental economic theory and experience. In this approach, the significance of historical relationships and validity of resulting models are evaluated using commonly accepted statistical measures and tests (e.g., standard error, adjusted R-squared, Schwarz Information Criterion, LJung-Box test, etc.). Models that, in the view of the analyst, best explain the historical variation of energy consumption are selected. These historical relationships are generally assumed to continue into the future, barring any specific information or assumptions to the contrary. The selected models are then combined with projections of the explanatory variables, resulting in a projection of energy requirements.

Econometric forecasting can be a more reliable technique for long-term forecasting than trend-based approaches and other techniques, because the approach results in an explanation of variations in load rather than simply an extrapolation of history. As a result of this approach, utilities are better able to anticipate departures from historical trends in energy consumption, given accurate projections of the driving variables. In addition, understanding the underlying relationships which affect energy consumption allows utilities to perform scenario and risk analyses, thereby improving decisions.

Econometric modeling was not done nor were forecasts developed at the retail sales level for the Big Stone II Members as data of sufficient detail or of a sufficiently lengthy historical period were not available for such an analysis. In addition, it was felt that any available data was unlikely to be of a high enough quality to support a rigorous analysis.

Similarly, although R. W. Beck recognizes that the price of electricity and of alternative fuels may have an impact on electric usage, data was not sufficiently available to support an extension of the econometric models in that regard. Moreover, any impact that might occur from potentially higher electricity prices are believed to be small and to occur over a long period, such that the forecast would be unlikely to be affected significantly.

Model Specification

The general form of the regression equations used in the 2006 Forecast is typically referred to as a double-log transform. In this functional form, the dependent variable is the natural log of the series of interest, in this case energy requirements for each of the Big Stone II Members, expressed as a function of the natural log of some or all of the explanatory variables. This formulation accomplishes three objectives:

- 1. It allows for the multiplicative combination of factors that tend to affect electric usage in an interactive way (e.g., the amount of living area under space conditioning and ambient temperature),
 - 2. It guarantees constant elasticity (defined below) through time, and
 - 3. It allows for a direct comparison of model parameters among segments of the study and against economic theory (e.g., price elasticity of demand is typically between 0 and -1, or inelastic).

Elasticity is measured by the percentage change in the variable being explained (e.g., energy requirements) that results from a one percentage change in the value of a given explanatory variable. Elasticities represent useful shorthand for understanding the impact of the external variables on energy requirements and are directly comparable among the Big Stone II Members. For example, the model coefficient on cooling degree days should be similar among the Big Stone II Members. Significant variations in the weather coefficients should be a function of differences in customer characteristics for the most part and/or may alert the forecast analyst to data quality issues.

Frequently, theory or evidence does not support constant elasticity across the range of values for an explanatory variable. In those cases, however, an effort should be made to explicitly derive a relationship that is consistent with theory and fits the data well. The double-log transform sometimes results in an improvement in load forecasting equations simply by avoiding the potential problem of instability in the estimated impact of explanatory variables across time due to the fact that electric load typically grows through time. Coefficients on weather variables in a strictly linear model, for example, may tend to under-represent the influence of weather as load grows.

Table 2-1 below shows the variables used and the estimated parameter of each variable in the forecast model of each Big Stone II Member's energy requirements, where:

GDP = gross domestic product in the county surrounding the Member

PY = total personal income in the county surrounding the Member

RETSAL = total retail sales in the county surrounding the Member

CDD = cooling degree days for the Minneapolis-St. Paul airport

HDD = heating degree days for the Minneapolis-St. Paul airport

Year>2004 = a binary variable set to 0 for 1990-2003 and 1 for 2004

AR(1) = an auto-regressive term providing a correction factor based on prioryear model residuals.

Table 2-1: Summary of Estimated Forecast Model Parameters for Big Stone II Members

		_	Estim	ated Param			
			Retail	x10 ⁻	5 [1]	Year >	
Member	GDP	PY	Sales	CDD	HDD	2003	AR(1)
Blue Earth	0.52			8.57	2.60		
Delano		•	0.95	7.57			
Fairfax	0.16			2.73	5.35		
Glencoe		1.15		10.74	3.05	(0.12)	
Granite Falls		0.34		8.99	1.68		
Janesville			0.70	15.60			
Kasson		1.21		11.47	5.39		
Kenyon		1.13		8.86	2.34		0.57
Mountain Lake	0.84			34.03			
Sleepy Eye	0.49			8.91	1.44		
Springfield	•		0.60	13.92		0.06	
Willmar		1.01		6.59	3.52		
Windom	0.28			7.68			0.87

^[1] Weather coefficients reflect the estimated percentage change in energy requirements from a one point change in degree days rather than from a percentage change in degree days.

The economic variable used in each model was chosen on the basis of the best statistical results, as measured by adjusted R-squared and Schwarz Information Criterion, and the most sensible resulting forecast, in consultation with CMMPA staff. The binary variable above, YEAR>2003, was added in the case of Glencoe to account for the loss of a major industry in 2004 and in the case of Springfield to account for an increase in energy requirements that could not be accounted for by other variables. While the use of such an adjustment is somewhat ad hoc, it should be recognized that the forecast team had very little information regarding the activity of large industrial customers that make up a large portion of the retail load of some Big Stone II Members. In addition, the economic data on which these models are estimated are subject to potentially large revisions on a significantly lagged basis, up to 5 years or more. Hence, late-period residuals can be caused by inaccurate estimates of the economic data during those periods.

In the case of Mountain Lake, the forecast reflects an upward adjustment in the level of energy requirements throughout the forecast horizon to avoid a large negative differential between the last historical data point and the forecast. This differential is due to the impact of weather normalization and the abnormally large coefficient on cooling degree days (shown in the table above), as the last historical year has significantly higher cooling degree days than normal. While there may be higher cooling load on Mountain Lake's system as a result of some industry with refrigeration requirements, for example, it was felt that the abnormally large coefficient was more likely a function of the timing of residuals associated with the city's small size and relatively large industrial load.

Appendix A contains the model estimation output for each of the Big Stone II Members. These tables are preceded by a key defining abbreviation and variable name conventions used throughout the appendix. The energy requirements data and explanatory variables are shown in detail in Figures 2-1 and 2-2 and Tables 2-2 through 2-8, which are located at the end of this section. In addition, Appendix B

ئى مى كى موت contains the full detail of net energy for load and peak demand forecast results by individual Big Stone II members.

Projection of Monthly Peak Demand

Projections of summer and winter non-coincident peak ("NCP") demand for each Big Stone II Member were developed by applying projected annual load factors to forecasted energy requirements. The projected load factors are generally based on the average relationship between annual energy requirements and the seasonal peak demand generally over the period 1996-2005 (i.e., a 10-year average).

Monthly peak demand is based on the average relationship between each monthly peak and the appropriate seasonal peak. This average relationship was computed after ranking the historical demand data within the summer and winter seasons and reassigning peak demands to each month based on the typical ranking of that month compared to the seasonal peak. This process avoids distortion of the averages due to randomness as to the months in which peak weather conditions occur within each season. For example, a summer peak period can occur during July or August of any year. It is important that the shape of the peak demands reflects that only one of those two months is the peak month and that the other is typically some percentage less.

Each Big Stone II Members' contribution to the total peak demand of the aggregate Big Stone II Members' load (i.e., coincident peak demand) were derived from monthly NCP demand and assumed coincidence factors generally based on an average of such factors over a 5-year period (2001-2005). These historical coincidence factors are based on coincident peak demand data that was computed from hourly load data maintained by CMMPA. Hourly load data was not available prior to 2001. As a result, coincident peak demand and coincidence factor data was not available prior to 2001 to allow for a longer period of averaging of such factors.

DATA SOURCES

Historical Member Load Data

Historical annual energy requirements and summer and winter NCP demand were obtained from Energy Information Administration Form 861 reports for the period 1990-2004. Data for 2005 was obtained from CMMPA. Separate data on monthly energy requirements and peak demand was also obtained from CMMPA and was generally based on hourly load data maintained by CMMPA, supplemented in some cases by data provided by the Members. Given that the hourly load data was based on a SCADA system and was impacted in some cases by generation behind the metering point, this data was not used to forecast annual energy requirements and summer and winter NCP demand. Instead, it was only used to develop the monthly profile of energy requirements and peak demand. In addition, the hourly load data was analyzed and adjusted to correct for large deviations from sensible daily load patterns via the use of proxy historical daily profiles for days with similar weather conditions.

Weather Data

Historical weather data was obtained from the National Oceanic and Atmospheric Administration for Minneapolis-St. Paul airport, a National Weather Service office in close proximity to all of the Big Stone II Members. Projected weather conditions are based on normal heating and cooling degree days most recently published by NOAA, which generally reflect average weather conditions over 1971-2000. Appendix C contains a table and a graphic showing historical and normal annual HDD and CDD used in the Forecast.

Economic Data

Economy.com, a nationally recognized provider of economic data, provided both historical and projected economic and demographic data. The data relied on includes economic and demographic data for the 11 counties in which the Big Stone II Members' service territories reside. These data include population, households, employment by major industry classification, personal income in total and by source, retail sales, and gross domestic product. Although all data was not necessarily utilized in each of the forecast equations, each was examined for its potential to explain variations in each Big Stone II Member's energy requirements.

Appendix D contains tables that provide the economic data relied on for this forecast, as well as representative growth rate statistics. A table is provided for each of the 13 Big Stone II Members, with the Member and county name shown at the top, but two of the tables are essentially duplicates as two of the Big Stone II Members reside in the same county.

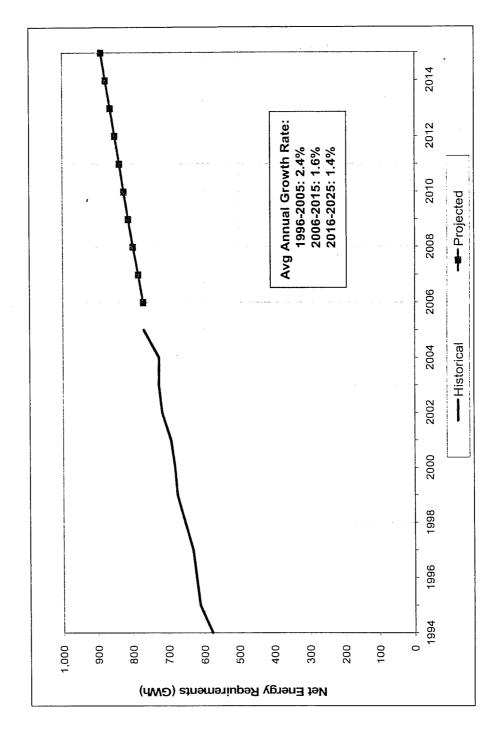
PRINCIPAL CONSIDERATIONS AND ASSUMPTIONS

The development of the 2006 Load Forecast was based upon the following principal consideration and assumptions:

- The service territories of the Big Stone II Members will continue to experience moderate economic growth in a relatively stable economy.
- The future influence on energy requirements of the economic, demographic, and weather factors, on which the econometric models are based, was assumed to be similar to the estimated influence of such factors generally over the period 1990 through 2005.
- Although the econometric models implicitly account for the historical relationships between energy usage and the following factors to the extent they have occurred in the past, the 2006 Load Forecast does not explicitly reflect extraordinary potential future effects of: (a) increases in appliance design efficiency or building insulation standards; (b) development of substitute energy sources; (c) consumers switching to traditional or new types of electrical appliances from other alternatives (e.g., electric vehicles); (d) consumers switching from electrical appliances to other alternatives; or (e) variations in load that might result from legal, legislative, regulatory, or policy actions.

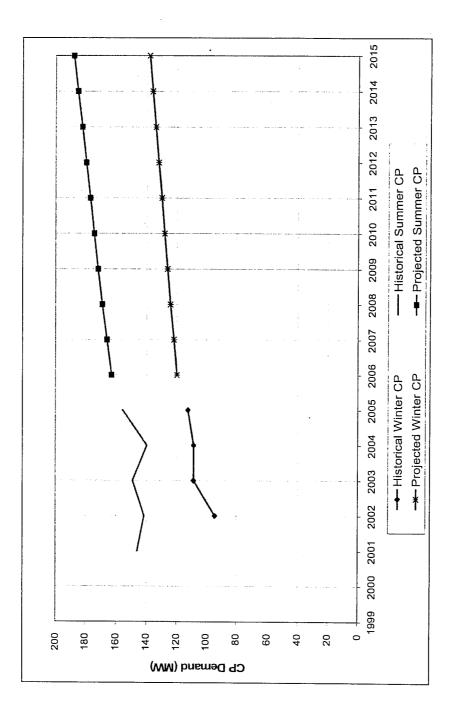
- To the extent the Big Stone II Members have affected their load characteristics or growth through load management, conservation, rate setting, or economic development programs in the recent past, such effects are implicitly reflected in these results based on the modeling techniques used in the 2006 Load Forecast. However, we have not assumed or modeled any additional impacts of existing or new load control or load enhancement programs.
- The recent average historical relationships between annual summer and winter non-coincident demands and annual energy requirements and between monthly NCP demands and annual winter and summer NCP demands were assumed to represent reasonable approximations of such future relationships.

Figure 2-1: Historical and Projected Net Energy for Load



R. W. Bcck 2-9

Figure 2-2: Historical and Projected Coincident-Peak Demand



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Table 2-2: Historical and Projected Total Net Energy Requirements and Peak Demand

			Net Energy	y Reguirem	ents (CY)			Non-	Coinciden	it Peak Dem	and			Co	incident P	eak Deman	d ·	
		Actual		Normalized		Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Load	Summer	Percent	Load
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	Factor
•	1996	622,946		617,996	-	-0.8%	105.9	•	67.1%	139.8		50.9%	N/A	-	N/A	N/A		N/A
	1997	632,123	1.5%	635,270	2.8%	0.5%	103.9	-1.9%	69.5%	141.9	1.5%	50.8%	N/A	N/A	N/A	N/A	N/A	N/A
	1998	654,282	3.5%	672,778	5.9%	2.8%	108.9	4.8%	68.6%	150.0	5.7%	49.8%	N/A	N/A	N/A	N/A	N/A	N/A
퓹	1999	675,672	3.3%	689,436	2.5%	2.0%	109.7	0.8%	70.3%	156.5	4.3%	49.3%	N/A	N/A	N/A	N/A	N/A	N/A
Historical	2000	682,841	1.1%	690,464	0.1%	1.1%	113.7	3.6%	68.6%	150.3	-3.9%	51.9%	N/A	N/A	N/A	N/A	N/A	N/A
sto	2001	693,711	1.6%	693,422	0.4%	0.0%	114.1	0.4%	69.4%	163.4	8.7%	48.5%	N/A		N/A	146.2	N/A	54.2%
Ŧ	2002	717,929	3.5%	708,678	2.2%	-1.3%	110.8	-2.9%	73.9%	159.9	-2.2%	51.3%	94.2	N/A	87.0%	141.6	-3.2%	57.9%
	2003	727,173	1.3%	722,673	2.0%	-0.6%	113.1	2.1%	73.4%	164.7	3.0%	50.4%	108.5	15.2%	76.5%	149.2	5.4%	55.6%
	2004	726,518	-0.1%	744,531	3.0%	2.5%	114.4	1.2%	72.5%	158.1	-4.0%	52.5%	108.5	0.0%	76.4%	139.8	-6.3%	59.3%
_	2005	768,482	5.8%	765,923	2.9%	-0.3%	118.6	3.6%	74.0%	163.5	3.4%	53.7%	112.4	3.6%	78.0%	155.8	11.4%	56.3%
	2006	769,811	0.2%	769,811	0.5%		123.3	4.0%	71.3%	169.6	3.7%	51.8%	119.9	6.6%	73.3%	162.9	4.6%	53.9%
	2007	783,689	1.8%	783,689	1.8%		125.5	1.8%	71.3%	172.6	1.8%	51.8%	122.0	1.8%	73.3%	165.9	1.8%	53.9%
	2008	798,434	1.9%	798,434	1.9%		127.9	1.9%	71.3%	175.8	1.8%	51.9%	124.3	1.9%	73.3%	168.9	1.9%	54.0%
	2009	811,734	1.7%	811,734	1.7%		130.0	1.7%	71.3%	178.7	1.6%	51.9%	126.4	1.7%	73.3%	171.7	1.6%	54.0%
	2010	824,033	1.5%	824,033	1.5%		132.0	1.5%	71.3%	181.3	1.5%	51.9%	128.3	1.5%	73,3%	174.3	1.5%	54.0%
	2011	836,221	1.5%	836,221	1.5%		134.0	1.5%	71.3%	184.0	1.5%	51.9%	130.2	1.5%	73.3%	176.8	1.5%	54.0%
	2012	849,063	1.5%	849,063	1.5%		136.0	1.5%	71.3%	186.8	1.5%	51.9%	132.2	1.5%	73.3%	179.5	1.5%	54.0%
	2013	861,892	1.5%	861,892	1.5%		138.1	1.5%	71.3%	189.6	1.5%	51.9%	134.2	1.5%	73.3%	182.3	1.5%	54.0%
g	2014	875,488	1.6%	875,488	1.6%		140.2	1.6%	71.3%	192.6	1.6%	51.9%	136.3	1.6%	73.3%	185.1	1.6%	54.0%
Projected	2015	888,468	1.5%	888,468	1.5%		142.3	1.5%	71.3%	195.4	1.5%	51.9%	138.4	1.5%	73.3%	187.8	1.5%	54.0%
ĕ	2016	901,220	1.4%	901,220	1.4%		144.3	1.4%	71.3%	198.2	1.4%	51.9%	140.3	1.4%	73.3%	190.5	1.4%	54.0%
₫	2017	914,102	1.4%	914,102	1.4%		146.4	1.4%	71.3%	201.0	1.4%	51.9%	142.3	1.4%	73.3%	193.2	1.4%	54.0%
	2018	926,916	1.4%	926,916	1.4%		148.4	1.4%	71.3%	203.7	1.4%	51.9%	144.3	1.4%	73.3%	195.9	1.4%	54.0%
	2019	939,398	1.3%	939,398	1.3%		150.4	1.3%	71.3%	206.4	1.3%	51.9%	146.3	1.3%	73.3%	198.5	1.3%	54.0%
	2020	952,032	1.3%	952,032	1.3%		152.4	1,3%	71.3%	209.2	1.3%	52.0%	148.2	1.3%	73.3%	201.2	1.3%	54.0%
	2021	964,837	1.3%	964,837	1.3%		154.4	1.3%	71.3%	212.0	1.3%	52.0%	150.2	1.3%	73.3%	203.9	1.3%	54.0%
	2022	977,989	1.4%	977,989	1.4%		156.5	1.3%	71.3%	214.8	1.3%	52.0%	152.3	1.4%	73.3%	206.6	1.4%	54.0%
	2023	991,419	1.4%	991,419	1.4%		158.6	1.4%	71.4%	217.7	1.4%	52.0%	154.4	1.4%	73.3%	209.4	1.4%	54.0%
	2024	1,004,730	1,3%	1,004,730	1.3%		160.7	1.3%	71.4%	220.6	1.3%	52.0%	156.4	1.3%	73.3%	212.2	1,3%	54.0%
	2025	1,018,182	1.3%	1,018,182	1.3%		162.9	1.3%	71.4%	223.5	1.3%	52.0%	158.5	1.3%	73.3%	215.0	1.3%	54.0%
~ `	Thru 2005		2.4%		2.4%			1.3%	70.7%		1.8%	50.9%		6.1%	N/A		1.6%	N/A
AGR	2006-2015		1.6%		1.6%			1.6%	71.3%		1.6%	51.9%		1.6%	73.3%		1.6%	54.0%
∢	2016-2025		1.4%		1.4%			1.4%	71.3%		1.3%	52.0%		1.4%	73.3%		1.4%	54.0%

Table 2-3: Total Monthly Net Energy Requirements (MWh)

1996		Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
1998		1996	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
The color The		1997	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
\$\begin{array}{c c c c c c c c c c c c c c c c c c c		1998	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
2003 N/A	ā	1999	N/A	N/A	N/A		N/A	N/A	N/A		N/A	N/A	N/A	N/A	N/A	N/A
2003 N/A	Ě	2000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
2003 N/A	stc	2001	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
2004 63,192 57,587 57,671 51,948 54,008 59,376 69,707 64,628 65,872 60,277 58,622 63,631 726,518 N/A 2005 64,272 54,827 60,413 54,738 56,670 68,763 77,594 75,967 68,546 60,075 59,606 67,011 768,482 764,319 2007 66,051 55,634 61,990 56,450 58,041 66,770 79,052 76,737 68,494 62,849 61,538 67,083 783,689 780,301 2008 67,305 59,750 63,160 57,529 59,141 68,024 80,528 78,157 69,761 64,029 62,666 68,353 798,434 794,825 2010 69,485 61,690 65,192 59,401 61,050 70,200 83,092 80,617 71,954 66,079 64,708 70,565 824,033 821,019 2011 70,521 62,612 66,158 60,291 61,957 71,236 84,314 81,795 73,004 67,053 65,664 71,615 836,221 833,240 2012 71,610 63,684 62,164 62,164 63,684 73,416 86,892 84,293 75,233 69,099 67,673 73,823 861,892 858,762 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2016 76,038 67,525 71,311 65,033 66,793 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 2016 76,038 67,525 71,311 65,033 66,793 75,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2019 79,283 70,418 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,265 72,776 79,423 926,916 923,783 2020 80,357 71,374 67,365 66,607 71,354 67,826 69,640 79,994 94,640 91,801 81,917 75,280 71,769 78,319 914,102 910,953 2020 80,357 71,374 77,352 66,960 72,533 66,964 71,558 82,161 97,777 94,261 84,105 77,306 75,756 82,694 964,837 961,706 420 82,202 82,564 73,344 77,445 70,650 72,519 83,266 89,488 95,534 84,055 77,306 77,306 75,756 82,694 964,837 961,706 420 82,202 82,564 73,344 77,445 70,650 72,519 83,266 89,488 95,534 84,055 77,892 86,134 1,004,730 1,001,474 89,149 89,149 87,536 80,485 78,892 86,134 1,004,730 1,001,474 89,149 89,149 87,536 80,485 78,892 86,134 1,004,730 1,001,474	Ï	2002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
2005 64,272 54,827 60,413 54,738 56,670 68,763 77,594 75,967 68,546 60,075 59,606 67,011 768,482 764,319 2006 64,872 57,584 60,881 55,437 57,009 65,581 77,659 75,392 67,295 61,742 60,451 65,889 769,811 768,421 2008 67,305 59,750 63,160 57,529 59,141 68,024 80,528 78,157 69,761 64,029 62,696 68,353 798,434 794,825 2009 68,438 60,758 64,216 58,501 61,050 70,200 83,092 80,617 71,954 60,079 64,708 70,565 824,033 821,019 2011 70,521 62,612 66,158 60,291 61,957 71,236 84,314 81,795 73,004 67,053 65,664 71,615 836,221 833,240 2012 71,610 63,581 67,174 61,226 62,910 72,327 85,604 83,045 74,120 68,077 66,669 72,720 849,063 845,931 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,288 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 77,120 898,104 2016 76,038 67,525 71,311 65,033 66,793 77,848 82,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,575 82,694 964,837 961,706 2020 80,357 71,376 75,530 68,750 70,558 81,065 95,900 90,223 80,004 78,859 86,134 10,04,734 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,854 84,986 991,419 981,419 2024 84,838 75,372 79,543 71,657 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,004,734		2003	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
2006 64,872 57,584 60,891 55,437 57,009 65,591 77,659 75,392 67,295 61,742 60,451 65,889 769,811 768,421 2007 66,051 58,634 61,990 56,450 58,041 66,770 79,052 76,737 68,494 62,849 61,538 67,083 783,689 780,301 2008 67,305 59,750 63,160 57,529 59,141 68,024 80,528 78,157 69,761 64,029 62,696 68,353 798,434 794,825 2009 68,438 60,758 64,216 58,501 60,132 69,155 81,861 79,436 70,901 65,094 63,741 69,502 811,734 808,476 2010 69,485 61,690 65,192 59,401 61,050 70,200 83,092 80,617 71,954 66,079 64,708 70,565 824,033 821,019 2011 70,521 62,612 66,158 60,291 61,957 71,236 84,314 81,795 73,004 67,053 65,664 71,615 836,221 833,240 2012 71,610 63,581 67,174 61,226 62,910 72,327 85,604 83,045 74,120 68,077 66,669 72,720 849,063 845,931 2013 72,698 64,549 68,190 62,161 63,864 73,416 86,892 84,293 75,233 69,099 67,673 73,823 861,892 858,762 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,511 888,468 885,297 2016 76,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2020 89,564 73,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 74,750 81,590 952,032 948,943 92,104 80,405 80		2004	63,192	57,587	57,671	51,948	54,008	59,376	69,707	64,628	65,872	60,277	58,622	63,631	726,518	N/A
2007 66,051 58,634 61,990 56,450 58,041 66,770 79,052 76,737 68,494 62,849 61,538 67,083 783,689 780,301 2008 67,305 59,750 63,160 57,529 59,141 68,024 80,528 78,157 69,761 64,029 62,696 68,353 798,434 794,825 2009 68,438 60,758 64,216 58,501 60,132 69,155 81,861 79,436 70,901 65,094 63,741 69,502 811,734 808,476 69,501 69,485 61,690 65,192 59,401 61,050 70,200 83,092 80,617 71,954 66,079 64,708 70,565 824,033 821,019 2011 70,521 62,612 66,158 60,291 61,957 71,236 84,314 81,795 73,004 67,053 65,664 71,615 836,221 833,240 2012 71,610 63,581 67,174 61,226 62,910 72,327 85,604 83,045 74,120 68,077 66,669 72,720 849,063 845,931 2013 72,698 64,549 68,190 62,161 63,864 74,341 86,892 84,293 75,233 69,099 67,673 73,823 861,892 856,762 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 2016 76,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,385 82,694 964,837 961,770 88,134 2024 84,838 75,372 79,543 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474		2005	64,272	54,827	60,413	54,738	56,670	68,763	77,594	75,967	68,546	60,075	59,606	67,011	768,482	764,319
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	-	2006	64,872	57,584	60,891	55,437	57,009	65,591	77,659	75,392	67,295	61,742	60,451	65,889	769,811	768,421
2009 68,438 60,758 64,216 58,501 60,132 69,155 81,861 79,436 70,901 65,094 63,741 69,502 811,734 808,476 2010 69,485 61,690 65,192 59,401 61,050 70,200 83,092 80,617 71,954 66,079 64,708 70,565 824,033 821,019 2011 70,521 62,612 66,158 60,291 61,957 71,236 84,314 81,795 73,004 67,053 65,664 71,615 836,221 833,240 2012 71,610 63,581 67,174 61,226 62,910 72,327 85,604 83,045 74,120 68,077 66,669 72,720 849,063 845,931 2013 72,698 64,549 68,190 62,161 63,864 73,416 86,892 84,293 75,233 69,099 67,673 73,823 861,992 858,762 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 2016 78,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,266 74,750 81,590 952,032 948,943 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,266 74,750 81,590 952,032 948,943 2024 84,838 75,462 78,483 71,632 73,521 84,405 99,628 96,833 86,392 79,444 77,845 84,986 991,419 98,8134 2024 84,838 75,372 79,543 71,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474		2007	66,051	58,634	61,990	56,450	58,041	66,770	79,052	76,737	68,494	62,849	61,538	67,083	783,689	780,301
2010 69,485 61,690 65,192 59,401 61,050 70,200 83,092 80,617 71,954 66,079 64,708 70,565 824,033 821,019 2011 70,521 62,612 66,158 60,291 61,957 71,236 84,314 81,795 73,004 67,053 65,664 71,615 836,221 833,240 2012 71,610 63,581 67,174 61,226 62,910 72,327 85,604 83,045 74,120 68,077 66,669 72,720 849,063 845,931 2013 72,698 64,549 68,190 62,161 63,864 73,416 86,892 84,293 75,233 69,099 67,673 73,823 861,892 856,762 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 2016 76,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474		2008	67,305	59,750	63,160	57,529	59,141	68,024	80,528	78,157	69,761	64,029	62,696	68,353	798,434	794,825
2013 72,698 64,549 68,190 62,161 63,864 73,416 86,892 84,293 75,233 69,099 67,673 73,823 861,892 858,762 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 2016 76,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474	pa	2009	68,438	60,758	64,216	58,501	60,132	69,155	81,861	79,436	70, 9 01	65,094	63,741	69,502	811,734	808,476
2013 72,698 64,549 68,190 62,161 63,864 73,416 86,892 84,293 75,233 69,099 67,673 73,823 861,892 858,762 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 2016 76,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474	ğ				65,192				83,092		71,954		64,708		824,033	
2013 72,698 64,549 68,190 62,161 63,864 73,416 86,892 84,293 75,233 69,099 67,673 73,823 861,892 858,762 2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 2016 76,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474	Ġ		•						84,314	81,795	73,004		65,664		836,221	833,240
2014 73,853 65,577 69,268 63,153 64,876 74,571 88,253 85,613 76,409 70,183 68,739 74,993 875,488 872,168 2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 76,000 76	ď.			,	-								,		849,063	
2015 74,955 66,560 70,298 64,101 65,843 75,672 89,551 86,871 77,529 71,218 69,757 76,111 888,468 885,297 2016 76,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474					•						75,233	•	67,673	73,823	861,892	858,762
2016 76,038 67,525 71,311 65,033 66,793 76,755 90,826 88,107 78,630 72,235 70,758 77,209 901,220 898,104 2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474		2014	73,853	65,577	69,268	63,153	64,876	74,571	88,253	85,613	76,409	70,183	68,739	74,993	875,488	872,168
2017 77,132 68,500 72,333 65,975 67,753 77,848 92,114 89,354 79,740 73,263 71,769 78,319 914,102 910,953 2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 2019 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474	_	2015	74,955	66,560	70,298	64,101	65,843	75,672	89,551	86,871	77,529	71,218	69,757	76,111	888,468	885,297
2018 78,222 69,471 73,352 66,912 68,709 78,936 93,394 90,593 80,843 74,285 72,776 79,423 926,916 923,783 926,919 79,283 70,418 74,344 67,826 69,640 79,994 94,640 91,801 81,917 75,280 73,757 80,500 939,398 936,347 92,020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 926,201 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 92,378 92,022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 94,261 84,863 93,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 9204 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474		2016	76,038	67,525	71,311	65,033	66,793	76,755	90,826	88,107	78,630	72,235	70,758	77,209	901,220	898,104
2019 79.283 70.418 74.344 67.826 69.640 79.994 94.640 91.801 81.917 75.280 73.757 80.500 939,398 936,347 75.200 80.357 71.376 75.350 68.750 70.582 81.065 95.900 93.023 83.004 76.286 74.750 81.590 952.032 948,943 75.201 81.446 72.347 76.369 69.687 71.538 82.151 97.177 94.261 84.105 77.306 75.756 82.694 964.837 961,706 82.022 82.564 73.344 77.415 70.650 72.519 83.266 98.488 95.534 85.237 78.354 76.790 83.828 977.989 974.773 76.203 83.706 74.362 78.483 71.632 73.521 84.405 99.628 96.833 86.392 79.424 77.845 84.986 991.419 988,134 76.204 84.838 75.372 79.543 72.607 74.515 85.533 101.154 98.119 87.536 80.485 78.892 86.134 1.004.730 1.001.474		2017	77,132	68,500	72,333	65,975	67,753	77,848	92,114	89,354	79,740	73,263	71,769	78,319	914,102	910,953
2020 80,357 71,376 75,350 68,750 70,582 81,065 95,900 93,023 83,004 76,286 74,750 81,590 952,032 948,943 2021 81,446 72,347 76,369 69,687 71,538 82,151 97,177 94,261 84,105 77,306 75,756 82,694 964,837 961,706 2022 82,564 73,344 77,415 70,650 72,519 83,266 98,488 95,534 85,237 78,354 76,790 83,828 977,989 974,773 2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474		2018	78,222	69,471	73,352	66,912	68,709	78,936	93,394	90,593	80,843	74,285	72,776	79,423	926,916	923,783
2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474	eq	2019	79,283	70,418	74,344	67,826	69,640	79,994	94,640	91,801	81,917	75,280	73,757	80,500	939,398	936,347
2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474	ដូ		80,357	71,376	75,350	68,750		81,065	95,900	93,023	83,004	76,286	74,750	81,590	952,032	948,943
2023 83,706 74,362 78,483 71,632 73,521 84,405 99,828 96,833 86,392 79,424 77,845 84,986 991,419 988,134 2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474	ĕ			72,347	76,369	69,687		82,151	97,177	94,261	84,105	77,306	75,756	82,694	964,837	961,706
2024 84,838 75,372 79,543 72,607 74,515 85,533 101,154 98,119 87,536 80,485 78,892 86,134 1,004,730 1,001,474	مَ			,	77,415			83,266	98,488	95,534	85,237	78,354	76,790	83,828	977,989	974,773
The state of the s			•										77,845	84,986	991,419	988,134
2025 85,982 76,393 80,614 73,592 75,519 86,674 102,494 99,419 88,691 81,557 79,951 87,295 1,018,182 1,014,891			•							98,119	87,536	80,485	78,892	86,134	1,004,730	1,001,474
	_	2025	85,982	76,393	80,614	73,592	75,519	86,674	102,494	99,419	88,691	81,557	79,951	87,295	1,018,182	1,014,891

Table 2-4: Monthly Energy Allocation Factors

NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	N/A N/A N/A N/A N/A N/A N/A N/A N/A 10.1% 10.1% 10.1% 10.1%	N A A N A A N A A N A A N A A N A A N A A N A A N A B G G G & S & S & S & S & S & S & S & S &	N/A N/A N/A N/A N/A N/A N/A 8.9% 8.19% 8.7% 8.7% 8.7%	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	NA N N N N N N N N N N N N N N N N N N	N/A N/A N/A N/A N/A 100.0% 100.0% 100.0% 100.0% 100.0%
	.5% 5%	7.9% 7.9%	7.2%	7.4%	8.5%	10.1%	%8.6 8.8%	8.7%	8.0% 8.0%	7.9%	8.6%	100.0%
	.5%	7.9%	7.2%	7.4%	8.5% 8.5%	10.1%	9.8% 9.8%	8.7%	8.0% 8.0%	7.9% 7.9%	8.6% 8.6%	100.0% 100.0%
	.5%	7.9%	7.2%	7.4%	8.5%	10.1%	9.8%	8.7%	8.0%	7.9%	8.6%	100.0%
N/A	N/A	N/A	N/A	N/A	N/A	A/A	N/A	N/A	N/A	N/A	N/A	N/A
8.4% 7.	7.5%	7.9%	7.2%	7.4%	8.5%	10.1%	9.8%	8.7%	8.0%	7.9%	8.6%	100.0%

Table 2-5: Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	N/A	N/A												
	1997	N/A	N/A												
	1998	N/A	N/A												
77	1999	N/A	N/A												
Historical	2000	N/A	N/A												
stc	2001	N/A	N/A												
Ξ	2002	N/A	N/A												
	2003	112.1	113.1	108.6	106.9	105.7	140.7	150.2	164.7	142.0	116.5	109.4	114.4	113.1	164.7
	2004	114.3	111.0	105.7	108.0	108.5	142.3	158.1	145.9	151.3	117.1	109.6	118.6	114.4	158.1
	2005	116.3	111.2	106.5	105.0	105.3	158.2	160.1	163.5	144.2	120.2	113.7	122.5	118.6	163.5
	2006	123.3	119.4	114.1	109.9	115.6	155.3	169.6	162.7	151.4	122.9	119.3	124.0	123.3	169.6
	2007	125.5	121.6	116.2	111.9	117.7	158.1	172,6	165.7	154.1	125.1	121.6	126.3	125.5	172.6
	2008	127.9	123.9	118.4	114.0	120.0	161.0	175.8	168.7	157.0	127.5	123.6	128.5	127.9	175.8
eq	2009	130.0	125.9	120.4	116.0	122.0	163.7	178.7	171.5	159.5	129.6	125.5	130.4	130.0	178.7
Projected	2010	132.0	127.9	122.2	117.7	123.8	166.1	181.3	174.1	161.9	131.6	127.4	132.3	132.0	181.3
Ğ	2011	134.0	129.7	124.0	119.5	125.7	168.6	184.0	176.6	164.3	133.5	129.3	134.4	134.0	184,0
₫.	2012	136.0	131.7	125.9	121.3	127.6	171.1	186.8	179.4	166.8	135.5	131.2	136.4	136.0	186.8
	2013	138.1	133.7	127.8	123.2	129.5	173.7	189.6	182.1	169.4	137.6	133.3	138.5	138.1	189.6
	2014	140.2	135.8	129.8	125.1	131.6	176.4	192.6	184.9	172.0	139.7	135.3	140.5	140.2	192.6
	2015	142.3	137.8	131.7	127.0	133.5	178.9	195.4	187.6	174.5	141.8	137.2	142.5	142.3	195.4
	2016	144.3	139.8	133,6	128.8	135.4	181.5	198.2	190.3	177.0	143.8	139.1	144.5	144.3	198.2
	2017	146.4	141.B	135.5	130.6	137.3	184.0	201.0	193.0	179.5	145.9	141.1	146.6	146.4	201.0
	2018	148.4	143.7	137.4	132.4	139.2	186.6	203.7	195.6	182.0	147.9	143.0	148.5	148.4	203.7
ed	2019	150.4	145.7	139.3	134.2	141.1	189.0	206.4	198.2	184.4	149.9	144.9	150.5	150.4	206.4
Projected	2020	152.4	147.6	141.1	136.0	143.0	191.5	209.2	200.9	186.8	151.9	146.8	152.5	152.4	209.2
Ğ	2021	154.4	149.6	143.0	137.9	144.9	194.0	212.0	203.5	189.3	153.9	148.8	154.5	154.4	212.0
₫.	2022	156.5	151.6	145.0	139.7	146.9	196.6	214.8	206.3	191.9	156.0	150.8	156.6	156.5	214.8
	2023	158.6	153.7	146.9	141.6	148.9	199.3	217.7	209.1	194.5	158.1	152.8	158.7	158.6	217.7
	2024	160.7	155.8	148.9	143.5	150.8	201.9	220.6	211.8	197.0	160.2	154.8	160.8	160.7	220.6
	2025	162.9	157.8	150.9	145.5	152,8	204.6	223.5	214,6	199.6	162.3	156.9	162.9	162.9	223.5

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
ā	1999					•									
윤	2000														
Historical	2001														
Ï	2002														
	2003														
	2004	74.3%	74.5%	73.3%	66.8%	66.9%	58.0%	59.3%	59.5%	60.5%	69.2%	74.3%	72.1%	72.5%	52.5%
	2005	74.3%	73.4%	76.3%	72.4%	72.3%	60.4%	65.1%	62.5%	66.0%_	67.2%	72.8%	73.5%	74.0%	53.7%
	2006	70.7%	71.7%	71.7%	70.0%	66.3%	58.6%	61.6%	62.3%	61.7%	67.5%	70.4%	71.4%	71.3%	51.8%
	2007	70.7%	71.8%	71.7%	70.1%	66.3%	58.7%	61.6%	62.3%	61.7%	67.5%	70.3%	71.4%	71.3%	51.8%
	2008	70.7%	69.3%	71.7%	70.1%	66.3%	58.7%	61.6%	62.3%	61.7%	67.5%	70.4%	71.5%	71.3%	51.9%
Ö	2009	70.7%	71.8%	71.7%	70.1%	66.3%	58.7%	61.6%	62.2%	61.7%	67.5%	70.5%	71.6%	71.3%	51.9%
Projected	2010	70.7%	71.8%	71.7%	70.1%	66.3%	58.7%	61.6%	62.2%	61.7%	67.5%	70.6%	71.7%	71.3%	51.9%
oje	2011	70.8%	71.8%	71.7%	70.1%	66.3%	58.7%	61.6%	62.2%	61.7%	67.5%	70.5%	71.6%	71.3%	51.9%
ď	2012	70.8%	69.4%	71.7%	70.1%	66.3%	58.7%	61.6%	62.2%	61.7%	67.5%	70.6%	71.7%	71.3%	51.9%
	2013	70.8%	71.8%	71.7%	70.1%	66.3%	58.7%	61.6%	62.2%	61.7%	67.5%	70.5%	71.6%	71.3%	51.9%
	2014	70.8%	71.9%	71.7%	70.1%	66.3%	58.7%	61.6%	62.2%	61.7%	67.5%	70.6%	71.7%	71.3%	51.9%
	2015	70.8%	71.9%	71.7%	70.1%	66.3%	58.7%	61.6%	62.2%	61.7%	67.5%	70.6%	71.8%	71.3%	51.9%
ģ	1996-2005	74.3%	73.9%	74.8%	69.6%	69.6%	59.2%	62.2%	61.0%	63.2%	68.2%	73.6%	72.8%	73.2%	53.1%
á	2006-2015	70.8%	71.3%	71.7%	70.1%	66.3%	58.7%	61.6%	62.2%	61.7%	67.5%	70.5%	71.6%	71.3%	51.9%

Table 2-7: Monthly Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	Mav	Jun	Jui	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
•	1996	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1997	N/A	N/A	N/A	N/A	N/A	N/A	N/A	· N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1998	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
æ	1999	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
.일	2000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Historical	2001	N/A	N/A	N/A	N/A	91.9	122.0	137.8	146.2	120.7	90.0	92.4	92.6	N/A	146.2
Î	2002	94.2	91.1	91.3	97.1	106.5	132.5	141.6	130.1	137.8	90.5	95.5	98.6	94.2	141.6
	2003	106.4	108.5	104.6	102.1	100.5	133.4	136.2	149.2	136.4	105.1	99.7	106.8	108.5	149.2
	2004	108.5	104.7	95.9	95.9	100.0	128.0	139.8	137.8	139.1	104.7	96.6	110.5	108.5	139.8
_	2005	112.4	106.2	102.4	101.6	·101.8	153.3	150.8	155.8	137.0	112.5	108.7	119.0	112.4	155.8
	2006	119.9	115.9	110.9	106.7	113.1	148.9	162.9	157.7	147.9	118.1	116.3	121.7	119.9	162.9
	2007	122.0	118.0	113.0	108.6	115.1	151.5	165.9	160.5	150.5	120.2	118.5	124.0	122.0	165.9
	2008	124.3	120.2	115.1	110.7	117.3	154.4	168.9	163.5	153.3	122.4	120.5	126.1	124.3	168.9
eq	2009	126.4	122.2	117.0	112.6	119.3	156.9	171.7	166.2	155.9	124.5	122.3	128.0	126.4	171.7
Projected	2010	128.3	124.1	118.8	114.3	121.1	159.2	174.3	168.7	158.2	126.4	124.1	129.9	128.3	174.3
Ġ	2011	130.2	125.9	120.6	116.0	122.9	161.5	176.8	, 171.2	160.5	128.2	126.0	131.9	130.2	176.8
₫.	2012	132.2	127.8	122.5	117.8	124.8	164.0	179.5	173.9	163.0	130.2	127.9	133.8	132.2	179.5
	2013	134.2	129.7	124,3	119.6	126.7	166.4	182,3	176.5	165.4	132.2	130.0	135.9	134.2	182.3
	2014	136.3	131.8	126.3	121.5	128.7	169.0	185.1	179,3	168.0	134.3	131.9	138.0	136.3	185.1
	2015	138.4	133.7	128.2	123.3	130.6	171.5	187.8	181.9	170.5	136.2	133.8	139.9	138.4	187.8
	2016	140.3	135.7	130.0	125.1	132.5	173.9	190.5	184.5	172.9	138.2	135.7	141.9	140.3	190.5
	2017	142.3	137.6	131.9	126.9	134.4	176.4	193.2	187.1	175.4	140.2	137.6	143.9	142.3	193.2
	2018	144.3	139.5	133.8	128.7	136.3	178.8	195.9	189.7	177.8	142.2	139.4	145.8	144.3	195.9
ba	2019	146.3	141.4	135.6	130.4	138.2	181.2	198.5	192.2	180.1	144.1	141.3	147.8	146.3	198.5
Projected	2020	148.2	143.3	137.4	132.2	140.0	183.6	201.2	194.8	182.5	146.0	143.2	149.7	148.2	201.2
Ö	2021	150.2	145.3	139.3	133.9	141.9	186.1	203.9	197.4	185.0	148.0	145.1	151.7	150.2	203.9
ď	2022	152.3	147.2	141.2	135.8	143.8	188.6	206.6	200.1	187.4	150.0	147.1	153.8	152.3	206.6
	2023	154.4	149.3	143.2	137.7	145.8	191.2	209.4	202.8	190.0	152.1	149.1	155.9	154.4	209.4
	2024	156.4	151.3	145.1	139.5	147.8	193.7	212.2	205.5	192.5	154.1	151.1	157.9	156.4	212.2
	2025	158.5	153.3	147.1	141.4	149.7	196.3	215.0	208.2	195.0	156.2	153.1	160.0	158.5	215.0

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Table 2-8: Monthly Coincidence Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
70	1999									:					
÷	2000														
Historical	2001														
Ξ	2002														
	2003	94.9%	96.0%	96.3%	95.5%	95.1%	94.8%	90.7%	90.6%	96.0%	90.2%	91.1%	93.3%	96.0%	90.6%
	2004	94.9%	94.3%	90.7%	88.9%	92.1%	90.0%	88.4%	94.4%	91.9%	89.5%	88.1%	93.2%	94.8%	88.4%
	2005	96.7%	95.5%	96.2%	96.8%	96.7%	96.9%	94.2%	95.3%	95.0%	93.6%	95.6%	97.1%	94.8%	95.3%
	2006	97.2%	97.0%	97.2%	97.1%	97.8%	95.8%	96.1%	96.9%	97.7%	96.0%	97.5%	98.1%	97.2%	96.1%
	2007	97.2%	97.0%	97.2%	97.1%	97.8%	95.8%	96.1%	96.9%	97.7%	96.0%	97.5%	98.1%	97.2%	96.1%
_	2008	97.2%	97.0%	97.2%	97.1%	97.8%	95.9%	96.1%	96.9%	97.7%	96.0%	97.5%	98.1%	97.2%	96.1%
eq	2009	97.2%	97.0%	97.2%	97.1%	97.8%	95.8%	96.1%	96.9%	97.7%	96.0%	97.5%	98.1%	97.2%	96.1%
S C	2010	97.2%	97.0%	97.2%	97.1%	97.8%	95.8%	96.1%	96.9%	97.7%	96.1%	97.5%	98.1%	97.2%	96.1%
Projected	2011	97.2%	97.0%	97.3%	97.1%	97.8%	95.8%	96.1%	96.9%	97.7%	96.1%	97.5%	98.1%	97.2%	96.1%
مَ	2012	97.2%	97.0%	97.3%	97.1%	97.8%	95.8%	96.1%	96.9%	97.7%	96.1%	97.5%	98,2%	97.2%	96.1%
	2013	97.2%	97.0%	97.3%	97.1%	97.8%	95.8%	96.1%	96,9%	97.7%	96.1%	97.5%	98.2%	97.2%	96.1%
	2014	97.2%	97.0%	97.3%	97.1%	97.8%	95.8%	96.1%	96.9%	97.7%	96.1%	97.5%	98.2%	97.2%	96.1%
	2015	97.2%	97.0%	97.3%	97.1%	97.9%	95.9%	96.1%	97.0%	97.7%	96.1%	97.5%	98.2%	97.2%	96.1%
	1996-2005	95.5%	95.2%	94.4%	93.7%	94.6%	93.9%	91.1%	93.4%	94.3%	91.1%	91.6%	94.5%	95.2%	91.4%
	2006-2015	97.2%	97.0%	97.2%	97.1%	97.0%	95.8%	96.1%	96.9%	97.7%	96.1%	97.5%	98.1%	97.2%	96.1%

Note: Errors in the historical CP demand data can result in Participant CP demand greater than NCP demand. In those cases, coincidence factors have been capped at 100%.

Section 3 CURRENT RESOURCES AND FUTURE NEEDS

The following discussion provides a description of the Big Stone II Member power supply resources and a comparison to the projected coincident peak demand for the members.

GENERATION RESOURCES

Existing Generating Resources

Existing CMMPA generating resources fall into two categories, those owned by the individual Members and those for which CMMPA is the contracting agency. CMMPA is a project agency and, as such, CMMPA members determine individually which projects to pursue. The City of Willmar also owns its own generating resources. Capacity for project resources owned by CMMPA members that are not part of the Big Stone II Members have been excluded from the information presented herein.

Based on summer ratings, the existing generating capacity owned by the Big Stone II Members totals 153 MW in 2006. The majority of the generating resources are diesel/internal combustion units, with a combined 117 MW of capacity. The Big Stone II Members also own small amounts of combustion turbine, steam turbine, and hydro resources, with combined capacities of 16 MW, 19 MW, and 1 MW, respectively. Additionally, the Big Stone II Members have contracted for a 12.5 MW ownership interest in the Nebraska City 2 resource scheduled to come on line in the spring of 2009.

Purchase Power Resources

The Big Stone II Members rely on various purchase power contracts, as follows.

System Firm Purchases

The Big Stone II Members contract for a combined 30 MW of system-firm capacity and energy, including several hydro purchases from the Western Area Power Administration and two Full Requirements purchases from Northern States Power Company ("NSP").

Firm Purchases

Blue Earth purchases 5 MW from Alliant and Granite Falls purchases approximately 0.6 MW from NSP.



Non-Firm Purchases

Several Big Stone II Members purchase non-firm energy from NSP under various NSP-55 contracts and Sleepy Eye purchases energy and capacity from NSP under an A-15 contract, for which it is required to maintain backup capacity.

Wind Resources

In May 2006, Blue Earth began a 20 year purchase of approximately 2.5 MW of installed capacity from the Blue Breeze Wind Facility. CMMPA also currently purchases 6 MW from the Cedar Falls facility and 6.25 MW from the Wolf Wind Farm. In addition, CMMPA is scheduled to purchase 10 MW from the Jeffries Wind Energy Center beginning in 2007. Because CMMPA has purchased wind energy and capacity for the benefit of all of its members, the values presented in the following tables have been prorated to reflect the load ratio share of the Big Stone II Members only.

Of the approximately 17.5 MW of wind capacity that is under contract by the Big Stone II Members, approximately 3 MW is assumed to be available to help meet the summer peak demand of the Big Stone II Participants. The level of firm capacity assumed for wind resources is based on wind resource generation patterns estimated for these facilities and applying the capacity accreditation procedures proposed by MAPP for wind resources. Wind generating patterns assumed for this analysis were developed and provided by Global Energy Concepts, LLC, an internationally recognized wind energy engineering firm located in Seattle, Washington.

Capacity Ratings

For the purposes of this analysis, all capacity owned or contracted by the Big Stone II Members, regardless of current accreditation status, was assumed to be available to meet the planning requirements of the members. Capacity ratings were derived from available EIA 411 reports, URGE testing reports, and information provided by the Big Stone II Members. Table 3-1 contains a listing of capacity ratings for all Big Stone II Member generating resources, while Table 3-2 contains a listing of purchase power resource for the Big Stone II Members.

Table 3-1: CMMPA Generating Resources

ine		Generating	Unit	Primary	Generator Nameplate	Net Capac	ity - KW	Commercia In Service
	Owner	Station / Unit	Type	Fuel Type	Rating (KW)	Summer	Winter	Date
No.	~~~~				(e)	(f)		
	(a)	(b)	(c)	(d)	(e)	(1)	(g)	(h)
1	Blue Earth	Unit No. 1	IC	Diesel	1,500	1,500	1,500	1960
2	Blue Earth	Unit No. 3	IC	Diesel	1,600	1.600	1,600	1993
3	Blue Earth	Unit No. 4	IC	Diesel	1,600	1,600	1,600	1993
4	Blue Earth	Unit No. 5	IC	Diesel	1,600	1,600	1,600	1993
5	Blue Earth	Unit No. 6	IC	Diesel	1,825	1,825	1,825	1996
6	Delano	Unit No. 1	IC	Diesel	840	830	830	1951
7	Delano	Unit No. 2	IC	Diesel	3,125	2,880	2,880	1972
8	Delano	Unit No. 3	IC	Diesel	1.136	1,170	1,170	1973
9	Delano	Unit No. 4	IC	Diesel	1,140	1,170	1,170	1946
10	Delano	Unit No. 5	IC	Diesel	1,365	1,350	1,350	1989
11	Delano	Unit No. 6	IC	Diesel	1,250	1,050	1.050	1994
12	Delano	Unit No. 7	iC	Diesel	3,000	3,750	3.750	1999
13	Delano	Unit No. 9	CT	No.2 Oil	12,500	13,300	13,300	2002
13	Delano	Offic No. 5		NO.2 OII	12,500	13,300	13,300	2002
14	Fairfax	Unit No. 2a	IC	Diesel	1,800	1,800	1,800	2001
15	Glencoe	Unit No. 5	iC	Diesel	1,000	1,000	1,000	1957
16	Glencoe	Unit No. 6	IC	Diesel	1,000	1,000	1.000	1961
17	Glencoe	Unit No. 7	IC	Diesel	3,500	3,500	3,500	1966
18	Glencoe	Unit No. 8	IC	Diesel	5,500	5,600	5,600	1969
19	Glencoe	Unit No. 9	ic	Diesel	6,400	6,400	6,400	1973
20	Glencoe	Unit No. 10	IC	Diesel	7,000	7,000	7,000	1985
21	Glencoe	Unit No. 11	iC	Diesel	4,860	4,800	4,800	1998
22	Glencoe	Unit No. 12	iC	Diesel	4,860 4,860	4,800	4,800	1998
22	Giencoe	Offic No. 12		Diesei	4,000	4,600	4,600	1990
23	Granite Falls	Unit No. 1	IC	Diesel	2,000	2.000	2,000	2003
24	Granite Falls	Unit No. 2	IC	Diesel	2,010	2,010	2,010	2003
25	Granite Falls	Unit No. 3	IC	Diesel	2,010	2,010	2,010	2003
26	Granite Falls	Unit No. 1 (Hydro)	HY	Hydro ·	1,200	956	154	1986
		, -						
27	Janesville	Unit No. 1	IC	Diesel	1,365	1,365	1,365	1965
28	Janesville	Unit No. 2	IC	Diesel	1,136	1,135	1,135	1972
29	Janesville	Unit No. 3	IC	Diesel	670	670	670	1955
30	Janesville	Unit No. 4	IC	Diesel	1,825	1,825	1,825	1998
31	Kenyon	Unit No. 2	IC	Diesel	1,823	1,823	1.823	1997
32	Kenyon	Unit No. 3	ic	Diesel	1,806	1,806	1,806	1997
33	Kenyon	Unit No. 4	IC	Diesel	1,822			1997
33	Kenyon	Offit No. 4	10	Diesei	1,022	1,822	1,822	1997
34	Mountain Lake	Unit No. 1	IC	Diesel	1,830	1,875	1,875	1998
35	Mountain Lake	Unit No. 2	IC	Diesel	1,130	1,125	1.125	1954
36	Mountain Lake .	Unit No. 3	IC	Diesel	1,800	1,900	1,900	1998
37	Mountain Lake	Unit No. 4	IC	Diesel	1,900	- 1,900	1,900	1968
38	Mountain Lake	Unit No. 5	IC	Diesel	1,360	.1,380	1,380	1950
39	Sleepy Eye	Unit No. 1	IC	Diesel	1,825	1.880	1,880	1999
40	Sleepy Eye	Unit No. 2	1C	Diesel	1,825	1,830	1,830	2001
41	Sleepy Eye	Unit No. 3	IC	Diesel	1,500	1,840	1,840	1961
42	Sleepy Eye	Unit No. 4	IC	Diesel	1,825	1,830	1,830	1995
43	Sleepy Eye	Unit No. 5	IC	Diesel	1,825	1,200	1,200	1996
44		Unit No. 1	IC	Diesel				
44	Springfield			Diesel	1,825	1,825	1,825	1994
45	Springfield	Unit No. 2	IC	Diesel	1,825	1,825	1,825	1996
46	Springfield	Unit No. 3	IC	Diesel	1.825	1,825	1,825	1998
47	Springfield	Unit No. 4	IC	Diesel	1,825	1,825	1,825	1998
48	Springfield	Unit No. 5	IC	Diesel	1,825	1,825	1,825	2001
49	Windom	Unit No. 4	CT	Na.2 Oil	2,500	2,800	2,800	1980
50	Windom	Unit No. C1	IC	Diesel	1,830	2,000	2,000	2001
51	Windom	Unit No. C2	IC	Diesel	1,830	2,000	2,000	2001
52	Windom	Unit No. C3	1C	Diesel	1,830	2,000	2,000	2001
53	Willmar	Unit No. ST2	ST	NG	6,500	6,500	0	1956
54	Willmar	Unit No. ST3	ST	Coal	12,500	12,500	11,500	1970
55	Willmar	Unit No. E04	IC	Diesel	2,000	2,000	2,000	2000
56	Willmar	Unit No. E05	IC	Diesel	2,000	2,000	2,000	2000
57	Willmar	Unit No. E06	IC	Diesel	2,000	2,000	2,000	2000
58	Willmar	Unit No. SW1	IC	Diesel	2,000	2,000	2,000	2000
59	Willmar	Unit No. SW2	IC	Diesel	2,000	2,000	2,000	2000
60	Willmar	Unit No. SW3	iC	Diesel	2,000	2,000	2,000	2000
61	CMMPA	Nebraska City 2	ST	Coal	12,500	12,500	12,500	5/2009
62	CMMPA	Big Stone II	ST	Coal	30,000	30,000	30,000	5/2011
63		TING RESOURCES (I			-	195,132	186,830	

Table 3-2: CMMPA Purchase Power Resources

				Generator			Commercial
Line		Resource	Primary	Nameplate	Net Capac		In Service
No.	Purchases/Resources	Туре	Fuel Type	Rating (KW)	Summer	Winter	Date
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	System Firm Purchases						
	WAPA Purchase [1]						
1	Fairfax	Purchase	Hydro		1,775	1,685	
2	Granite Falls	Purchase	Hydro		1,260	1,767	
3	Mountain Lake	Purchase	Hydro		942	1,160	
4	Sleepy Eye	Purchase	Hydro		2,400	819	
5	Springfield	Purchase	Hydro		947	1,261	
6	Windom	Purchase	Hydro		7,757	5.624	
7	Willmar	Purchase	Hydro		6,371	5,761	
	NSP Full Requirements						
8	Fairfax				[2]	[2]	
9	Kasson				[3]	[3]	
	Firm Purchases						
10	Blue Earth - Alliant - Purchase	Purchase			5,000	5.000	
11	Granile Falls - NSP Firm Purchase	Purchase			608	608	
	Non-Firm Purchases						
12	NSP 55 Energy Purchase						
13	Delano	Purchase			[4]	[4]	
14	Glencoe	Purchase			[4]	[4]	
15	Janesville	Purchase			[4]	[4]	
16	Kenyon	Purchase			[4]	[4]	
17	Mountain Lake	Purchase			[4]	[4]	
18	Windom	Purchase			[4]	[4]	
19	Sleepy Eye NSP A-15 Non-Firm Purchase	Purchase			[5]	[5]	
	Wind Resources						
20	Blue Earth						
21	Blue Breeze 1	Purchase	Wind	1,250	234	399	5/2006
22	Blue Breeze 2	Purchase	Wind	1,250	234	399	5/2006
	CMMPA						
23	Cedar Falls	Purchase	Wind	4,056	842	1,344	3/2005
24	Wolf Wind Farm	Purchase	Wind	4,225	662	1,840	4/2006
25	Jeffers Wind Energy Center	Purchase	Wind	6,760	1,008	2,299	1/2007

^[1] Summer/Winter ratings for WAPA reflect current July/January contract values.

Expected Generation Resource Retirements

At present, only one of the Big Stone II Members has a generating resource scheduled for retirement. Sleepy Eye is currently planning to retire its diesel Unit No. 3 effective January 1, 2007. All of the purchase power contracts, except for the hydro purchases from WAPA are scheduled for retirement over the Planning Period.

MEMBER DSM ACTIVITIES

CMMPA is a project oriented, wholesale provider of power to its members, and as such, CMMPA does not have any direct control over its members regarding the development and implementation of demand-side management programs. In accordance with Minnesota law, the members of CMMPA file reports with the DOC

^[2] Capacity under Fairfax NSP full requirements service is equal to projected peak demand less WAPA purchases.

^[3] Capacity under Kasson NSP full requirements service is equal to projected peak demand.

^[4] NSP-55 purchases provide non-firm energy with minimum must take provisions at 55% of Member load net of WAPA purchases.

^[5] Sleepy Eye A-15 purchase provides non-firm energy at 100% block purchase of 3 MW summer and 2 MW winter.

regarding annual efforts made by the utility to implement conservation programs. CMMPA regularly encourages it members to engage in conservation programs and it is currently assisting its members with the development of an integrated SCADA and load management system. Table 3-3, summarizes the DSM programs currently being undertaken by the Big Stone II Members

It is important to note that to the extent that historical levels of DSM (i.e., demand and energy reduction) have occurred and are reflected in the historical demand and energy data reported by the members, then the 2006 Load Forecast captures these effects in the econometric forecast equations presented herein. As such, the forecast load growth contained in this Analysis reflects continued growth in DSM demand and energy reductions in proportion to the projected load growth of the Big Stone II Members.

Table 3-3: CMMPA Existing DSM Programs

DSM Program

Big Stone II Member	Efficient Lighting Rebates & Promotions	Efficient Appliance Rebates & Promotions	Weatherization Rebates & Promotions	Energy Audits & Customer Education	HVAC Maintenance Service & Equipment Rebates	Low-Income Assistance	Load Management	Tree Program
Blue Earth	R,C	R		R	R,C		R	
Delano	С	Ŗ		R			R	
Fairfax	С					R		
Glencoe	С	R			R			
Granite Falls	С	R						
Janesville		R		R				
Kasson		R		R		R	R	
Kenyon	R,C	R	R	R,C	R	R	R	1
Mountain Lake	R,C	R	R		R		R	
Sleepy Eye		R						
Springfield	R					R	R	R
Willmar	С	R			R,C		R,C	
Windom	R	R		R			R	

R - Residential Program; C - Commerical / Municipal Program

NEEDS FOR ADDITIONAL CAPACITY AND ENERGY

According to the coincident peak load forecast presented in the preceding section, the Big Stone II Member resources are adequate to meet its peak demand and a 15% planning reserve requirement until the summer of 2008. Capacity deficiencies in 2008 are projected to be small (less than 2 MW), and capacity needs are projected to increase only slightly in 2009 as certain purchase power contracts are set to expire and as the Nebraska City 2 project is scheduled to come on line. However, by 2011,

without the addition of Big Stone Unit II, the reserve margin for the Big Stone II Members is projected to fall below 10 percent. Capacity needs are projected to grow by an average of 3.5 megawatts per year thereafter. By 2025, if no capacity other than currently planned amounts is added, the Big Stone II Members would need approximately 58 megawatts of capacity additions.

The following figures and tables illustrate the projected capacity needs for the Big Stone II Members. Tables 3-4 and 3-5 present the projected loads and capacity resources for the Big Stone II Members for the summer and winter seasons, respectively, over the period 2006 through 2025.

Figures 3-1 demonstrates the projected annual capacity shortfall for the Big Stone II Members during the summer season excluding capacity from Big Stone Unit II. Figure 3-2 shows the annual capacity shortfalls during the summer season including capacity from Big Stone Unit II.

Figures 3-3 and 3-4 provide graphical representations of the projected loads and capacity resources for the Big Stone II Members for the summer and winter seasons, respectively, over the period 2006 through 2025. These figures include the capacity from Big Stone Unit II.

Figure 3-5 shows the projected annual energy requirements for the Big Stone II Members for 2006 through 2025.

Table 3-4: Big Stone II Members Load and Capacity Summary, Summer

Line	Description	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
1	Planning Requirements - MW Summer Peak Demand [1]	163	166	169	172	174	177	180	182	185	188	191	193	196	199	201	204	207	209	212	215
. 3	WAPA Purchases Full Requirements Purchases	(21) (8)	(21) (9)	(21) <u>(9</u>)	(21)	(21) 	(21) 	(21)	(21) 	(21)	(21)	(21)	(21)	(21)	(21) 	(21)	(21)	(21)	(21) 	(21) 	(21)
4 5	Total Peak Requirements Reserve Requirement [2]	133 	136 20	139 21	150 23	153 23	155 <u>23</u>	158 24	161 	164 <u>25</u>	166 25	169 25	172 26	174 26	177 <u>27</u>	180 27	182 27	185 28	188 28	191 29	194 29
6	Total Capacity Requirements	153	156	160	173	176	179	182	185	188	191	194	198	201	204	207	210	213	216	219	223
	Existing Portfolio - MW																				
7	Nebraska City 2 Coal Unit [3]	-	•	•	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
8	Big Stone II Coal Unit	-	-	-		-	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
9	Internal Combustion Units	117	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
10	Combustion Turbine Units	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
11	Steam (Coal/NG)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
12	Hydro Units	1	1	1	1	1	1	1	1	1	1	1	1	1.	1	1 -	1	1	1	1	1
13	Wind Units	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
14	Firm Purchases	6	6	5	5	5	5	5	5	5	5	5	5	5	<u> </u>			<u> </u>			
15	Total Resources	160	159	<u>158</u>	170	170	200	200	200	200	200	200	200	200	195	195	194	194	194	194	194
16	Capacity Deficiency (MW)			(2)	(3)	<u>(6</u>)	=			<u></u>	_ -	<u>:</u>		(1)	(9)	(12)	(15)	(19)	(22)	(25)	(28)

^[1] Sum of Big Stone II Member coincident peaks measured at the Member delivery point.

^[2] Planning reserve margin assumed to be 15%.

^[3] Capacity ratings adjusted down for an assumed 3% losses.

Table 3-5: Big Stone II Members Load and Capacity Summary, Winter

Line	Description	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
1	Planning Requirements - MW Winter Peak Demand [1]	120	122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	159
2 3	WAPA Purchases Full Requirements Purchases	(16) (9)	(16) (9)	(16) (9)	(16)	(16) 	(16)	(16)	(16)	(16)	(16)	(16) 	(16) 	(16)	(16) 	(16)	(16)	(16) 	(16)	(16)	(16)
4 5	Total Peak Requirements Reserve Requirement (2)	95 14	97 15	99 15	110 17	112 17	114 	116 	118 <u>18</u>	120 18	122 18	124 19	126 19	128 <u>19</u>	130 19	132 20	134 	136 20	138 <u>21</u>	140 21	142 21
6	Capacity Requirements	109	111	114	127	129	131	133	136	138	140	143	145	147	149	152	154	156	159	161	163
	Existing Portfolio - MW									į											
7	Nebraska City 2 Coal Unit [3]	•	-	-	-	12	12	12	12	12.	12	12	12	12	12	12	12	12	12	12	12
8	Big Stone II Coal Unit	-	-	-				30	30	30.	30	30	30	30	30	30	30	30	30	30	30
9	Internal Combustion Units	117	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
10	Combustion Turbine Units	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
11	Steam (Coal/NG)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
12	Hydro Units	0	0	0	Ū	Ū	0	U	0	0	Ü	0	0 5	0 5	0	0 5	Ü	0 3	U	0	0 3
13	Wind Units	ı	5	5	5	. 5	э	5	5	b	b	5	5	ס	5	5	5	3	3	3	3
14	Firm Purchases		7	7		7	7	7	7		7	7	7	7	2	2	2	2	<u> </u>	2	2
15	Total Resources	153	155	155	154	166	166	196	196	196	196	196	<u>196</u>	196	<u>191</u>	191	191	189	189	189	189
16	Capacity Deficiency (MW)	<u> </u>	<u>-</u> -	- .			<u>:</u>				<u></u>		<u>_</u>			:	<u>-</u>	-		_	-

^[1] Sum of Big Stone II Member coincident peaks measured at the Member delivery point.

^[2] Planning reserve margin assumed to be 15%.[3] Capacity ratings adjusted down for an assumed 3% losses.

Figure 3-1: Big Stone II Members Capacity Deficit Without Big Stone Unit II

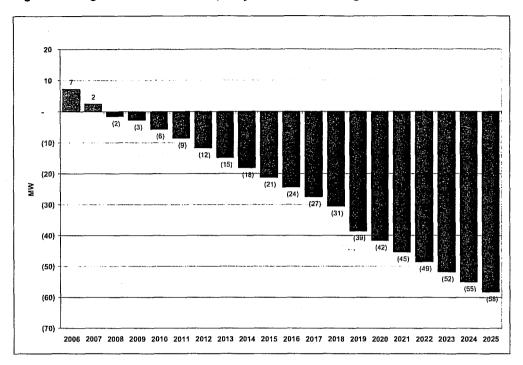
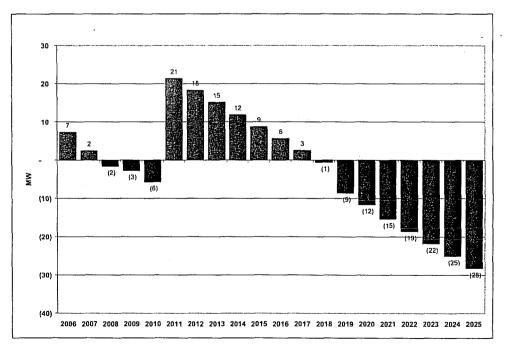
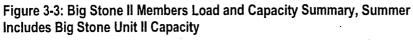


Figure 3-2: Big Stone II Members Capacity Deficit Including Big Stone Unit II





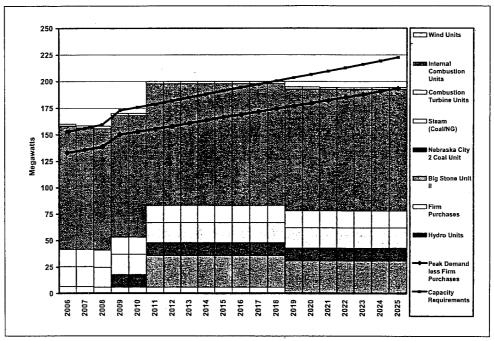
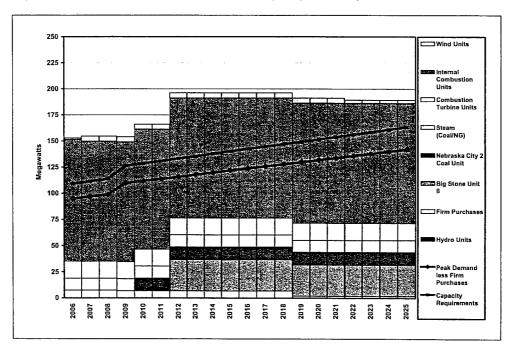


Figure 3-4: Big Stone II Members Load and Capacity Summary, Winter



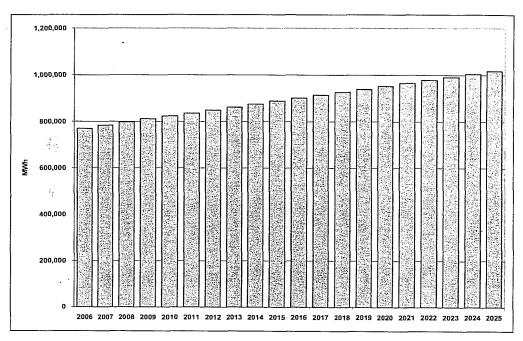


Figure 3-5: Big Stone II Members Energy Requirements Chart

Section 4 RESOURCE EXPANSION ANALYSIS

MODELING METHOD

R. W. Beck performed a Resource Expansion Analysis for the Big Stone II Members to determine the most cost-effective resource expansion plan alternatives that could satisfy the future energy and capacity needs of the Big Stone II Members. The analysis was performed using the Strategist® software package, licensed by New Energy Associates, a Siemens company. Strategist employs a dynamic programming optimization technique combined with a convolution generation dispatch process to approximate the operation of generating resources and power purchases and sales for electric utilities. Through the dynamic optimization process, Strategist explores all potential generation expansion plans that can be produced from a given set of resource alternatives and identifies the best candidate plans based on the planning objectives identified by the user.

Figure 4-1, below, depicts an overview of the Resource Expansion Analysis process. The initial step in the Analysis involved the development of various forecasts and assumptions, including the demand and energy forecast discussed in Section 2, fuel prices, capital and operating characteristics for generic resources, and economic assumptions. Operating characteristics for the Big Stone II Member resources, including generating units and power purchase contracts, to be modeled in Strategist were developed from information provided by the members. Future potential power supply alternatives were developed to provide a broad range of generating resource alternatives, including coal and natural gas fired generating technologies and wind technologies.

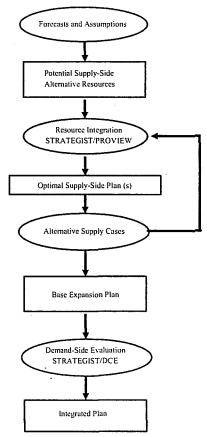
The alternatives were analyzed in Strategist along with the existing resources of the Big Stone II Members to determine the most cost-effective plan(s) the Big Stone II Members could pursue over the 25-year Planning Period (2011 through 2035). For the Analysis, two primary objectives were modeled in Strategist. First, the Big Stone II Members must meet a minimum 15 percent reserve margin beginning in 2011, and, second, the optimum potential resource plans must provide the lowest projected utility costs of all possible alternatives over the Planning Period. Potential resource plans were ranked from lowest to highest cost based on a computation of total, present value costs, including generation production costs, operating and maintenance costs, and capital costs for the CMMPA Members over the 25-year Planning Period. The Analysis also includes a quantification of capital and escalating costs beyond the study period, commonly referred to as end effects.

Unless currently scheduled for retirement, the existing Big Stone II Member resources were assumed to remain available over the Planning Period. Generic resources, as described in more detail in this section, and the Big Stone II Member portion of the



. مُؤَخِّيا و د ي Big Stone Unit II were modeled and made available for selection by Strategist when meeting future capacity and energy requirements.

Figure 4-1: Resource Expansion Analysis Process Overview



RESOURCE EXPANSION ALTERNATIVES

Several resource expansion alternatives were considered for the Big Stone II Members in the capacity expansion model. Table 4-1 summarizes the types of generating resource additions considered and their primary operating characteristics.

Operating characteristics for Big Stone Unit II were obtained from Otter Tail, and the capacity was based on the current allocation of the Big Stone II Members. In addition to the Big Stone Unit II, two generic, coal-fired resource technology options were modeled as expansion options in the analysis. These resource types – integrated gasification combined cycle ("IGCC") and super-critical pulverized coal ("supercritical coal") units – were made available as expansion alternatives beginning in 2011.

Table 4-1: Big Stone Unit II and Expansion Resource Alternatives
Modeled Operating Characteristics

			Generic Resources							
		Big Stone	F-Class	F-Class	Super					
		11	GT	2x1 CC	Critical	IGCC	Wind			
Fuel Type		PRB Coal	NG	NG	PRB Coal	PRB Coal	N/A			
Baseload Capacity Rating	MW.	600	170	530	800	63D	150			
Construction Cost (2006\$)										
Overnight Construction Cost	\$/kW	1,640	480	580	1,750	1,980	1.560			
Development & Construction Period	Months	48	30	48	72	66	20			
Other Operating Characteristics										
Average Degraded Heat Rate	Btu/kWh	9,300	10,300	7.040	9.240	9,390				
Annual Forced Outage Rate	%	4.0%	1.0%	2.0%	4.0%	6.0%	4.0%			
Annual Scheduled Outage Factor	%	9.0%	3.0%	5.0%	9.0%	9.0%	9.0%			
Fixed O&M (2006\$) 1	\$/kW-yr	37.90	7.50	19.50	42.00	50.50	31.00			
Variable O&M (2006\$)	\$/MWh	1.80	17.65	3.00	1.80	4.00	-			
Emissions										
SO₂ Emissions Rate	lb/MMBtu	0.0500	0.0006	0.0006	0.1000	0.0100	0.0000			
NO _x Emissions Rate	lb/MMBtu	0.05	0.01	0.01	0.07	0.02	0.00			
PM ₁₀ Emissions Rate	lb/MMBtu	0.030	0.005	0.005	0.030	0.010	0.000			
CO ₂ Emissions Rate	lb/MMBtu	0	117	117	213	213	0			
CO Emissions Rate	lb/MMBtu	0.10	0.01	0.01	0.15	0.00	0.00			
Pb Emissions Rate	lb/GBtu	0.0079	0.0000	0.0000	0.0080	0.0000	0.0000			
Hg Emissions Rate	lb/GBtu	0.0025	0.0000	0.0000	0.0025	0.0010	0.0000			

Includes property taxes, insurance, and non-plant corporate expenses.

Generic intermediate and peaking resources were considered in the expansion optimization analysis in the form of natural-gas fired resources: a simple-cycle F-class gas turbine resource and a two-on-one, F-class combined cycle resource.

A generic wind turbine, an intermittent and renewable resource, was also modeled as a resource expansion option to assist the Big Stone II Members in fulfilling their renewable energy benchmark requirements under the Minnesota Renewable Energy Objective.

All of the generic resource technologies were modeled in 10 MW increments under an assumption that the Big Stone II Members could acquire capacity through a partial ownership arrangement.

EXISTING RESOURCES

Unless currently scheduled for retirement, the existing Big Stone II Member resources were assumed to remain available over the Planning Period. Tables 4-2 and 4-3 below provide the basic operating characteristics as modeled for the generating resources and purchase power resources, respectively, for the Big Stone II Members.

Table 4-2: Big Stone II Member Existing Generating Resources Modeled Operating Characteristics

Line No. 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 16 17 18 19 20 21 22 23 24 25 26	Owner (a) Blue Earth Blue Earth Blue Earth Blue Earth Blue Earth Delano Delano Delano Delano Delano Delano Delano Delano Glencoe	Generating Station / Unit (b) Unit No. 1 Unit No. 1 Unit No. 5 Unit No. 6 Unit No. 1 Unit No. 2 Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 5 Unit No. 7 Unit No. 9 Unit No. 2 Unit No. 7 Unit No. 5 Unit No. 7 Unit No. 5 Unit No. 7 Unit No. 5 Unit No. 9 Unit No. 7 Unit No. 8 Unit No. 9 Unit No. 9 Unit No. 9 Unit No. 9	Unit Type (c) IC	Primary Fuel (d) Diesel	Generator Nameplate Rating (KW) (e) 1,500 1,600 1,600 1,600 1,805 1,825 1,136 1,140 1,365 1,250 3,000 12,500	Net Capac Summer (f) 1,500 1,600 1,600 1,825 830 2,880 1,170 1,170 1,350	ity - KW Winter (g) 1,500 1,600 1,600 1,600 1,825 830 2,880 1,170 1,170	Commercial In Service Date (h) 1960 1993 1993 1993 1996 1951 1972 1973 1946	Expected Date for Retirement (i)	Var O&M (\$/MWh) (j) 13.92 13.92 13.92 13.92 13.92 8.85 8.85 8.85	teristics Full Load Heat Rate (k) 9.183 9.500 9.500 9.500 9.460 11.324 11.048 11.071
No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	(a) Blue Earth Blue Earth Blue Earth Blue Earth Blue Earth Blue Earth Delano Delano Delano Delano Delano Delano Delano Delano Delano Gelano	Station / Unit (b) Unit No. 1 Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 1 Unit No. 2 Unit No. 2 Unit No. 3 Unit No. 3 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 7 Unit No. 7 Unit No. 7 Unit No. 9 Unit No. 5 Unit No. 6 Unit No. 5 Unit No. 7 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7 Unit No. 9 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7 Unit No. 7 Unit No. 9	Type (c) IC	Type (d) Diesel	Rating (KW) (e) 1,500 1,600 1,600 1,600 1,825 840 3,125 1,136 1,140 1,365 1,250 3,000	Summer {f} 1.500 1.600 1.600 1.600 1.825 830 2.880 1.170 1.170	Winter (g) 1,500 1,600 1,600 1,600 1,825 830 2,880 1,170	Date (h) 1960 1993 1993 1993 1996 1951 1972 1973	Retirement	(\$/MWh) (j) 13.92 13.92 13.92 13.92 13.92 8.85 8.85 8.85	Heat Rate (k) 9,183 9,500 9,500 9,500 9,460 11,324 11,048 11,071
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	(a) Blue Earth Blue Earth Blue Earth Blue Earth Blue Earth Blue Earth Delano Delano Delano Delano Delano Delano Delano Delano Delano Gelano	(b) Unit No. 1 Unit No. 3 Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 1 Unit No. 2 Unit No. 2 Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 7 Unit No. 7 Unit No. 9 Unit No. 5 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 9 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9	(a) (b) (c) (d) (d) (d) (d) (d) (d) (e) (e) (e) (e) (e) (e) (e) (e) (e) (e	(d) Diesel	(e) 1,500 1,600 1,600 1,600 1,825 840 3,125 1,136 1,140 1,365 1,250 3,000	(f) 1,500 1,600 1,600 1,600 1,825 830 2,880 1,170 1,170	(g) 1,500 1,600 1,600 1,600 1,825 830 2,880 1,170	(h) 1960 1993 1993 1993 1996 1951 1972 1973		(j) 13.92 13.92 13.92 13.92 13.92 8.85 8.85 8.85	(k) 9,183 9,500 9,500 9,500 9,460 11,324 11,048 11,071
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Blue Earth Blue Earth Blue Earth Blue Earth Blue Earth Delano Delano Delano Delano Delano Delano Delano Delano Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 1 Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 1 Unit No. 2 Unit No. 3 Unit No. 3 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 7 Unit No. 7 Unit No. 9 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 7 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 7		Diesel	1,500 1,600 1,600 1,600 1,825 840 3,125 1,136 1,140 1,365 1,250 3,000	1,500 1,600 1,600 1,600 1,825 830 2,880 1,170 1,170	1,500 1,600 1,600 1,600 1,825 830 2,880 1,170	1960 1993 1993 1993 1996 1951 1972 1973	(1)	13.92 13.92 13.92 13.92 13.92 8.85 8.85 8.85	9,183 9,500 9,500 9,500 9,460 11,324 11,048 11,071
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Blue Earth Blue Earth Blue Earth Delano Delano Delano Delano Delano Delano Delano Delano Delano Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 1 Unit No. 2 Unit No. 3 Unit No. 3 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 7 Unit No. 9 Unit No. 5 Unit No. 5 Unit No. 6 Unit No. 5 Unit No. 5		Diesel	1,600 1,600 1,600 1,825 840 3,125 1,136 1,140 1,365 1,250 3,000	1,600 1,600 1,600 1,825 830 2,880 1,170 1,170	1,600 1,600 1,600 1,825 830 2,880 1,170	1993 1993 1993 1996 1951 1972 1973		13.92 13.92 13.92 13.92 8.85 8.85 8.85	9,500 9,500 9,500 9,460 11,324 11,048 11,071
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Blue Earth Blue Earth Blue Earth Delano Delano Delano Delano Delano Delano Delano Delano Gelano Gelano Gelano Gelano Gelano Gelano Gelano Gelano Gelano Gelanoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 1 Unit No. 2 Unit No. 2 Unit No. 3 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 7 Unit No. 7 Unit No. 7 Unit No. 7 Unit No. 5 Unit No. 6 Unit No. 5 Unit No. 6 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7		Diesel	1,600 1,600 1,825 840 3,125 1,136 1,140 1,365 1,250 3,000	1,600 1,600 1,825 830 2,880 1,170 1,170	1.600 1.600 1.825 830 2.880 1,170	1993 1993 1996 1951 1972 1973		13.92 13.92 13.92 8.85 8.85 8.85	9,500 9,500 9,460 11,324 11,048 11,071
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Blue Earth Blue Earth Blue Earth Delano Delano Delano Delano Delano Delano Delano Delano Delano Gelano Gelano Gelano Gelencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 5 Unit No. 1 Unit No. 2 Unit No. 2 Unit No. 3 Unit No. 5 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 7 Unit No. 7 Unit No. 7 Unit No. 5 Unit No. 6 Unit No. 5 Unit No. 6 Unit No. 6 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9		Diesel	1,600 1,825 840 3,125 1,136 1,140 1,365 1,250 3,000	1,600 1,825 830 2,880 1,170 1,170	1.600 1.825 830 2.880 1,170	1993 1996 1951 1972 1973		13.92 13.92 8.85 8.85 8.85	9.500 9.460 11.324 11.048 11.071
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Blue Earth Blue Earth Blue Earth Delano Delano Delano Delano Delano Delano Delano Delano Delano Gelano Gelano Gelano Gelencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 5 Unit No. 1 Unit No. 2 Unit No. 2 Unit No. 3 Unit No. 5 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 7 Unit No. 7 Unit No. 7 Unit No. 5 Unit No. 6 Unit No. 5 Unit No. 6 Unit No. 6 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9		Diesel	1,825 840 3,125 1,136 1,140 1,365 1,250 3,000	1,825 830 2.880 1.170 1,170	1.825 830 2.880 1,170	1996 1951 1972 1973		13.92 8.85 8.85 8.85	9,460 11,324 11,048 11,071
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Blue Earth Delano Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 6 Unit No. 1 Unit No. 2 Unit No. 3 Unit No. 5 Unit No. 5 Unit No. 5 Unit No. 7 Unit No. 7 Unit No. 9 Unit No. 5 Unit No. 7		Diesel No.2 Oil	1,825 840 3,125 1,136 1,140 1,365 1,250 3,000	1,825 830 2.880 1.170 1,170	1.825 830 2.880 1,170	1996 1951 1972 1973		13.92 8.85 8.85 8.85	9,460 11,324 11,048 11,071
6 7 8 9 10 111 112 113 114 115 116 117 118 119 20 21 22 23 224 25	Delano Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 1 Unit No. 2 Unit No. 2 Unit No. 3 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7		Diesel Diesel Diesel Diesel Diesel Diesel Diesel Diesel No.2 Oil	840 3,125 1,136 1,140 1,365 1,250 3,000	830 2.880 1.170 1,170	830 2.880 1,170	1951 1972 1973		8.85 8.85 8.85	11,324 11,048 11,071
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 224 25	Delano Delano Delano Delano Delano Delano Delano Delano Fairfax Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 2 Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7		Diesel Diesel Diesel Diesel Diesel Diesel Diesel No.2 Oil	3,125 1,136 1,140 1,365 1,250 3,000	2.880 1.170 1,170	2.880 1,170	1972 1973		8.85 8.85	11,048 11,071
8 9 110 111 122 13 14 15 16 17 18 19 20 21 22 23 224 25	Delano Delano Delano Delano Delano Delano Delano Fairfax Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 7 Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 6 Unit No. 7 Unit No. 7 Unit No. 8 Unit No. 9		Diesel Diesel Diesel Diesel Diesel No.2 Oil	1,136 1,140 1,365 1,250 3,000	1,170 1,170	1,170	1973		8.85	11,071
8 9 110 111 122 13 14 15 166 17 18 19 20 21 22 23 224 25	Delano Delano Delano Delano Delano Delano Delano Fairfax Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 3 Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 6 Unit No. 7 Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 6 Unit No. 7 Unit No. 7 Unit No. 8 Unit No. 9		Diesel Diesel Diesel Diesel Diesel No.2 Oil	1,136 1,140 1,365 1,250 3,000	1,170 1,170	1,170			8.85	11,071
9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 23	Delano Delano Delano Delano Delano Delano Fairfax Glencoe	Unit No. 4 Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 6 Unit No. 7	CT CT CC CC	Diesel Diesel Diesel Diesel No.2 Oil Diesel	1,140 1,365 1,250 3,000	1,170					
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Delano Delano Delano Delano Delano Fairfax Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 7 Unit No. 8 Unit No. 9	IC IC CT IC IC	Diesel Diesel Diesel No.2 Oil Diesel	1,365 1,250 3,000		1.170			8.85	11,431
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Delano Delano Delano Fairfax Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 6 Unit No. 7 Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9	IC IC CT IC IC	Diesel Diesel No.2 Oil Diesel	1,250 3,000	1.330					
12 13 14 15 16 17 18 19 20 21 22 23 24 25	Delano Delano Pelano Fairfax Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 7 Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9	IC CT IC IC	Diesel No.2 Oil Diesel	3,000		1,350	1989		8.85	11.362
13 14 15 16 17 18 19 20 21 22 23 24 25	Delano Fairfax Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 9 Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9	CT IC IC IC	No.2 Oil Diesel		1,050	1,050	1994		8.85	11,193
14 15 16 17 18 19 20 21 22 23 24 25	Fairfax Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 2a Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9	IC IC	Diesel	12.500	3.750	3.750	1999		8.85	10,871
15 16 17 18 19 20 21 22 23 24 25	Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9	IC IC		, _,000	13,300	13,300	2002		13.30	16,802
15 16 17 18 19 20 21 22 23 24 25	Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 5 Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9	IC IC		1,800	1.800	1,800	2001		9.00	9,512
16 17 18 19 20 21 22 23 24 25	Glencoe Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 6 Unit No. 7 Unit No. 8 Unit No. 9	IC								
17 18 19 20 21 22 23 24 25	Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 7 Unit No. 8 Unit No. 9		Diesel	1,000	1,000	1,000	1957		8.98	9,422
18 19 20 21 22 23 24 25	Glencoe Glencoe Glencoe Glencoe Glencoe	Unit No. 8 Unit No. 9	IC.	Diesel	1,000	1,000	1,000	1961		8.98	9,422
19 20 21 22 23 24 25	Glencoe Glencoe Glencoe Glencoe	Unit No. 9		Diesel	3,500	3,500	3,500	1966		8.98	9,320
19 20 21 22 23 24 25	Glencoe Glencoe Glencoe Glencoe	Unit No. 9	1C	Diesel	5,500	5,600	5,600	1969		8.98	9,778
20 21 22 23 24 25	Giencoe Giencoe Giencoe		1C	Diesel	6,400	6.400	6,400	1973		8.98	9.249
21 22 23 24 25	Glencoe Glencoe		iC	Diesel	7,000	7,000	7,000	1985		8.98	10,046
22 23 24 25	Glencoe		iÇ			4,800	4,800	1998		8.98	
23 24 25		Unit No. 11		Diesel	4,860						9,500
24 25	_	Unit No. 12	IC	Diesel	4,860	4,800	4,800	1998		8.98	9.306
24 25	Granite Falls	Unit No. 1	IC	Diesel	2,000	2,000	2,000	2003		9.00	9,512
25	Granite Falls	Unit No. 2	iC	Diesel	2.010	2,010	2,010	2003		9.00	9,512
		Unit No. 3	IC	Diesel	2.010		2,010	2003			
26	Granite Falls					2.010				9.00	9,512
	Granite Falls	Unit No. 1 (Hydro)	HY	Hydro	1,200	956	154	1986			
27	Janesville	Unit No. 1	IC	Diesel	1,365	1,365	1,365	1965		18.82	9,500
28	Janesville	Unit No. 2	IC	Diesel	1,136	1,135	1,135	1972		18.82	9,500
29	Janesville	Unit No. 3	iC	Diesel	670	670	670				9,500
								1955		18.82	
30	Janesville	Unit No. 4	IC	Diesel	1,825	1,825	1,825	1998		18.82	8,702
31	Kenyon	Unit No. 2	IC	Diesel	1,823	1,823	1,823	1997		15.00	9,460
32	Kenyan	Unit No. 3	IC	Diesel	1.806	1.806	1.806	1997		15.00	9,460
			IC								
33	Kenyan	Unit No. 4	10	Diesel	1,822	1,822	1.822	1997		15.00	9.460
34	Mountain Lake	Unit No. 1	IC	Diesel	1,830	1,875	1,875	1998		14.60	10,371
35	Mountain Lake	Unit No. 2	IC	Diesel	1,130	1,125	1,125	1954		14.60	11,029
36	Mountain Lake	Unit.No. 3	IC	Diesel	1,800	1,900	1.900	1998		14.60	10,154
37		Unit No. 4	IC	Diesel	1,900						
	Mountain Lake					1.900	1,900	1968	•	14.60	9.500
38	Mountain Lake	Unit No. 5	IC	Diesel	1.360	1,380	1,380	1950	•	14.60	9,500
39	Sleepy Eye	Unit No. 1	IC	Diesel	1.825	1.880	1.880	1999		33.75	9.326
40	Sleepy Eye	Unit No. 2	IC	Diesel	1,825	1.830	1.830	2001		33.75	9,326
41		Unit No. 3	iC	Diesel	1.500	1,840	1,840	1961	1/2007		
	Sleepy Eye								1/2007	33.75	9,326
42	Sleepy Eye	Unit No. 4	IC	Diesel	1.825	1.830	1,830	1995		33.75	9,326
43	Sleepy Eye	Unit No. 5	IC	Diesel	1,825	1,200	1,200	1996		33.75	9,500
44	Springfield	Unit No. 1	IC	Diesel	1.825	1.825	1.825	1994		17.81	9,459
45	Springfield	Unit No. 2	IC	Diesel	1,825	1,825	1,825	1996			
										17.81	9,459
46	Springfield	Unit No. 3	IC	Diesel	1.825	1.825	1,825	1998		17.81	9,459
47	Springfield	Unit No. 4	IC	Diesel	1.825	1,825	1,825	1998		17.81	9,459
48	Springfield	Unit Na. 5	IC	Diesel	1,825	1,825	1.825	2001		17.81	9,459
49	Windom	Unit No. 4	CT	No.2 Oil	2,500	2,800	2,800	1980		13.30	12,884
50	Windom	Unit No. C1	IC	Diesel	1,830	2,000	2,000	2001			
				Diesel						18.08	9,328
51	Windom	Unit No. C2	IC		1.830	2,000	2.000	2001		18.08	9.328
52	Windom	Unit No. C3	IC	Diesel	1,830	2,000	2,000	2001		18.08	9,328
53	Willmar	Unit No. ST2	ST	NG	6,500	6,500	0	1956		0.00	19,700
	Willmar	Unit No. ST3	ST	Coal	12,500	12,500	11,500	1970		0.00	18,200
54		Unit No. E04	IC	Diesel							
54 55					2,000	2.000	2,000	2000		15.00	9,500
55	Willmar	Unit No. E05	IC	Diesel	2,000	2,000	2,000	2000		15.00	9,500
55 56	Willmar Willmar		IC	Diesel	2,000	2,000	2,000	2000		15.00	9,500
55 56 57	Willmar Willmar Willmar	Unit No. E06		Diesel	2,000	2,000	2,000	2000		45.00	0.500
55 56	Willmar Willmar	Unit No. E06 Unit No. SW1	IC	Diesel			_,000	2000		15.00	9,500
55 56 57	Willmar Willmar Willmar Willmar	Unit No. E06	IC	Diezei	2.000	2.000					
55 56 57 58 59	Willmar Willmar Willmar Willmar Willmar	Unit No. E06 Unit No. SW1 Unit No. SW2	IC		2,000 2,000	2.000 2.000	2,000	2000		15.00	9,500
55 56 57 58 59 60	Willmar Willmar Willmar Willmar Willmar Willmar	Unit No. E06 Unit No. SW1 Unit No. SW2 Unit No. SW3	IC IC	Diesel	2,000	2,000	2,000 2,000	2000 2000		15.00 15.00	9,500 9,500
55 56 57 58 59 60	Willmar Willmar Willmar Willmar Willmar Willmar CMMPA	Unit No. E06 Unit No. SW1 Unit No. SW2 Unit No. SW3 Nebraska City 2	IC IC ST	Diesel Coal	2,000 12,500	2,000 12,500	2,000 2,000 12,500	2000 2000 5/2009		15.00	9,500
55 56 57 58 59 60	Willmar Willmar Willmar Willmar Willmar Willmar	Unit No. E06 Unit No. SW1 Unit No. SW2 Unit No. SW3	IC IC	Diesel	2,000	2,000	2,000 2,000	2000 2000		15.00 15.00	9,500 9,500
55 56 57 58 59 60	Willmar Willmar Willmar Willmar Willmar Willmar CMMPA	Unit No. E06 Unit No. SW1 Unit No. SW2 Unit No. SW3 Nebraska City 2	IC IC ST	Diesel Coal	2,000 12,500	2,000 12,500	2,000 2,000 12,500	2000 2000 5/2009		15.00 15.00 2.70	9,500 9,500 9,330

Table 4-3: Big Stone II Member Purchase Power Resources **Modeled Operating Characteristics**

			Primary	Generator			Commercial	Expected		Operating teristics
Line		Resource	Fuel	Nameplate	Net Capac	ity - KW	In Service	Date for	Var O&M	Full Load
No.	Purchases/Resources	Type	Type	Rating (KW)	Summer	Winter	Date	Retirement	(\$/MWh)	Heat Rate
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	tit	(I)
	System Firm Purchases									
	WAPA Purchase [1]									
1	Fairfax	Purchase	Hydro		1,775	1.685				
2	Granite Falls	Purchase	Hydra		1,260	1.767				
3	Mountain Lake	Purchase	Hydro		942	1,160				
4	Sleepy Eye	Purchase	Hydro		2,400	819				
5	Springfield	Purchase	Hydro		947	1,261				
6	Windom	Purchase	Hydro		7.757	5.624				
7	Willmar	Purchase	Hydro		6.371	5.761				
	NSP Full Requirements									
8	Fairfax				[2]	[2]		12/2008		
9	Kasson				[3]	[3]		12/200B		
	Firm Purchases									
10	Blue Earth - Alliant - Purchase	Purchase			5,000	5.000		12/2018		
11	Granite Falls - NSP Firm Purchase	Purchase			608	608		4/2008		
12	Non-Firm Purchases									
13	NSP 55 Energy Purchase									
14	Delano	Purchase			[4]	[4]		5/2011		
15	Glencoe	Purchase			[4]	[4]		5/2011		
16	Janesville	Purchase			[4]	[4]		5/2011		
17	Kenyon	Purchase			[4]	[4]		5/2011		
18	Mountain Lake	Purchase			[4]	[4]		5/2011		
19	Windom	Purchase			[4]	[4]		5/2011		
	Sleepy Eye NSP A-15 Non-Firm									
20	Purchase	Purchase			[5]	[5]		9/2007		
21	Wind Resources Blue Earth									
22	Blue Breeze 1	Purchase	Wind	1,250	234	399	5/2006	4/2026	0.00	N/A
23	Blue Breeze 2	Purchase	Wind	1,250	234	399	5/2006	4/2026	0.00	N/A
	CMMPA							•		
24	Cedar Falls	Purchase	Wind	4,056	842	1,344	3/2005	12/2006	0.00	N/A
25	Wolf Wind Farm	Purchase	Wind	4,225	662	1,840	4/2006	3/2021	0.00	N/A
26	Jeffers Wind Energy Center	Purchase	Wind	6,760	1,008	2,299	1/2007	12/2031	0.00	N/A

Summer/Winter ratings for WAPA reflect current July/January contract values.

EMISSION COSTING

Effluents were modeled in Strategist to capture economic impacts of various emissions. The emission costs reflected in the Analysis for PM10, CO, NOx, lead, and CO₂ were obtained from the externality costs published by the Minnesota Public Utilities Commission ("PUC") for Within 200 miles of Minnesota (or "MN200") and Rural. The Within 200 miles of Minnesota values were applied to the operation of Big Stone Unit II, which is located in South Dakota. All other new resources were assumed to be constructed in rural areas of Minnesota and were applied the Rural values for emissions. The environmental externality values were adjusted from the 2004 values published by the PUC to 2006 values using a 2.4% general inflation rate, and are depicted below in Table 4-4.

SO₂ emission allowance costs were estimated assuming a market price of \$600 per ton in 2006 dollars, escalated over the Planning Period at 2.4%, and were applied to the amount of SO2 emissions produced by thermal resources modeled in each potential expansion plan. Similarly, mercury emissions were assumed to be \$70 million per ton, or \$35,000 per pound, in 2006 dollars, escalated at 2.4%.

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Capacity under Fairax NSP full requirements service is equal to projected peak demand less WAPA purchases.
 Capacity under Kasson NSP full requirements service is equal to projected peak demand.
 NSP-55 purchases provide non-firm energy with minimum must take provisions at 55% of Member load net of WAPA purchases
 Sleepy Eye A-15 purchase provides non-firm energy at 100% block purchase of 3 MW summer and 2 MW winter.

Table 4-4: Estimated Minnesota Environmental Externality Values [1]

	Rural	Within 200 Miles of Minnesota
PM ₁₀ \$/ton	1,053	1,053
CO \$/ton	0.5	0.5
NO _x \$/ton	125.8	125.8
Pb \$/ton	552	552
CO ₂ \$/ton	3.82	0
Mercury \$/ton	70,000,000	70,000,000
SO _x \$/ton	600	600

^[1] Amounts shown are in 2006 dollars

RESOURCE PLANNING RESULTS

The Strategist model developed over 400 potential expansion plans. The three plans that ranked lowest in present value cost were identified as the optimum least-cost plans as shown in Table 4-5. The present value utility cost variance shown in the table represents the incremental cost increase for each plan from the lowest-cost plan. All three of the optimum least-cost expansion plans showed that the Big Stone II Members need to secure 30 MW of Big Stone Unit II capacity in 2011.

- Plan 1, consisting of the planned 30 megawatts of the Big Stone Unit II in 2011, plus an additional 10 megawatts of installed wind capacity in 2011, followed by 10 megawatts of supercritical pulverized coal capacity installed every two to three years beginning in 2019, was found to be the least-cost potential resource expansion plan. Based on the results of this plan, wind turbine capacity of approximately 10 MW is a viable resource option for the Big Stone II Members in 2011. This amount of wind capacity is approximately equal to the Renewable Energy Objective of the Big Stone II Members for 2012.
- Plan 2 delays the installation of the 10 MW wind unit 9 years until 2020 and moves the first 10 MW supercritical coal unit one year forward to 2018. The incremental cost increase from Plan 1 was less than \$1 million.
- Plan 3 differs from Plan 1 by replacing the final 10 MW of supercritical coal capacity in 2035 with 10 MW of IGCC capacity. The incremental cost increase from Plan 1 was \$3.4 million.

Out of the over 400 potential expansion plans, four sub-optimal plans were selected for comparison purposes to demonstrate the effect of installing different technology types. The four selected sub-optimal plans are described in more detail below.

- Plan 56 reduced the amount of Big Stone Unit 2 coal capacity to 20 MW in 2011 and also included 30 MW of wind capacity added by 2016 and 10 MW of IGCC capacity in 2033. This plan reduced the total amount of supercritical coal capacity added and would produce fewer emissions than Plan 1; however, the incremental cost increase from Plan 1 was \$34 million, due to the addition of more capitally intensive technologies.
- Plan 66 has more additions in the first year of the Planning Period (50 MW, of which 30 MW is Big Stone Unit II capacity and the remaining 20 MW is wind capacity) than the lower cost expansion plans. It also includes 30 MW of total wind capacity added over the Planning Period. The incremental cost increase from Plan 1 was \$38 million.
- Plan 73 contains an installation of a combined cycle unit, at 10 MW, and also adds 40 MW of IGCC resources in the later years of the Planning Period. The incremental cost increase from Plan 1 was \$41 million.
- Plan 98 installed three technology types in 2011, including 20 MW of Big Stone Unit II capacity, 20 MW of wind capacity, and 10 MW of combined cycle capacity. The incremental cost increase from Plan 1 was \$58 million.

Table 4-5: Expansion Plan Results

Ranking of Potential Expansion Plans

	Ontimu	ım Least-Cos	t Plane	Selective Sub-Optimal Plans						
Year of Installation	1	2	3	56 66 73 98						
2011	BS II (30MW) Wind (10MW)		BS II (30MW) Wind (10MW)	BS II (20MW) Wind (20MW)	BS II (30MW)	BS II (30MW)				
2012	-	-	-	-	-	-	-			
2013	-	-	-	-	-	-	-			
2014	-	-	-	-	-	-	-			
2015	-	-	-	-	_	-	-			
2016	-	-	_	Wind (10MW)	-	-	_			
2017	-	-	-	Coal (10MW)	-	-	-			
2018	-	Coal (10MW)	-	-	-	CC (10MW)	_			
2019	Coal (10MW))	-	Coal (1,0MW)	Coal (10MW)	Coal (10MW)	-	Coal (10MW)			
2020	_	Wind (10MW)	_	-		Wind (10MW)	_			
2021	Coai (10MW)	Coal (10MW)	Coal (10MW)	-	Wind (10MW)	Coal (10MW)	Wind (10MW)			
2022	_	-	_	Coal (10MW)	Coal (10MW)	-	Coal (10MW)			
2023	Coal (10MW)	Coal (10MW)	Coal (10MW)	-	-	Coal (10MW)	_			
2024	_	_	_	-	-	-	-			
2025	_	_	-	Coal (10MW)	Coal (10MW)	-	Coal (10MW)			
2026	Coal (10MW)	Coal (10MW)	Coal (10MW)	-	_	IGCC (10MW)	_			
2027	_	_	_	-	-	-	_			
2028	_	-	-	Coal (10MW)	Coal (10MW)		Coal (10MW)			
2029	Coal (10MW)	Coal (10MW)	Coal (10MW)	-	_	IGCC (10MW)	_			
2030	_	_	-	_	_	-	-			
2031	-	_	-	Coal (10MW)	Coal (10MW)	-	Coal (10MW)			
2032	Coal (10MW)	Coal (10MW)	Coal (10MW)	-	_	IGCC (10MW)	_			
2033	_	_	-	IGCC (10MW)	Coal (10MW)	-	Coal (10MW)			
2034	_	_	-	-	_	-	-			
2035	Coal (10MW)	Coal (10MW)	IGCC (10MW)	_	<u> </u>	IGCC (10MW)	_			
PV Utility Cost Variance (2006 \$000)	-	954	3,400	34,373	38,459	40,862	58,339			

A sensitivity analysis was performed to investigate whether additional capacity from Big Stone Unit II would be beneficial for the Big Stone II Members. This analysis indicates that at least 30 additional megawatts of capacity from Big Stone Unit II could be cost-effectively added by the Big Stone II Members in 2011. This case is not currently contemplated as a resource expansion alternative because all of the proposed

Big Stone Unit II capacity is already allocated to the Big Stone II partners. However, should additional capacity from the Big Stone Unit II become available, the resource expansion analysis found that additional quantities of the Big Stone Unit II capacity would provide for lower total present value costs for the Big Stone II Members as compared with the lowest-cost base plan described previously. While the reserve margin for the Big Stone II Members would obviously far exceed the 15 percent target under this case, the lower-cost results of this case can be understood when compared to the existing resource alternatives of the Big Stone II Members. The Big Stone II Members rely heavily on market-priced non-firm and economy purchases, and generation from owned, lower-efficiency steam resources, and oil-fired diesel generation to serve their loads. In contrast, savings in energy costs the Big Stone II Members could receive through low-cost energy available from the proposed Big Stone Unit II are projected to offset the incremental fixed and capital costs associated with the additional Big Stone Unit II capacity, resulting in lower total costs for power than what is available from their existing resources.

DSM SCREENING

CMMPA is a project oriented, wholesale provider of power to its members, and as such, CMMPA does not have any direct control over its members regarding the development and implementation of demand-side management programs. In accordance with Minnesota law, the members of CMMPA file reports with the DOC regarding annual efforts made by the utility to implement conservation programs. CMMPA regularly encourages it members to engage in conservation programs and it is currently assisting its members with the development of an integrated SCADA and load management system.

The impacts of DSM programs of the Big Stone II Members are addressed in two ways in the Analysis. First, to the extent that historical levels of DSM (i.e., demand and energy reduction) have occurred and are reflected in the historical demand and energy data reported by the members, then the 2006 Load Forecast captures these effects in the econometric forecast equations presented herein. As such, the forecast load growth contained in this Analysis reflects continued growth in DSM demand and energy reductions in proportion to the projected load growth of the Big Stone II Members.

Even though the load forecast is already likely to contain the forecast effects of DSM load reductions, and, hence, lower levels of need for new capacity, it is still necessary to investigate whether additional amounts of DSM, beyond those already implemented by the members, are warranted. To conduct this evaluation, we relied upon the information provided by the Big Stone II Members in recent Conservation Improvement Program filings. This data, supplemented by additional data provided by the members, indicates that the average program expenditures and energy savings across all DSM programs results in an estimated average costs per kilowatt hour save in the range of \$0.28.

This estimate of average program costs and savings for the Big Stone II Members was combined with other assumptions regarding DSM program costs and impacts, as

referenced in Table 4-6, below, to conduct a screening of the average costs and benefits of DSM in the Strategist model. Utilizing Strategist and incorporating the lowest-cost expansion plan described above, it is possible to investigate the existing DSM programs implemented by the Big Stone II Members and the cost-effectiveness of the programs with regard to their ability to avoid projected marginal energy costs and costs of incremental capacity additions that are consistent with the optimum resource expansion plan.

Table: 4-6: Average DSM Program Costs and Impacts for the Big Stone II Members

DSM Program Attributes	Value
Program Implementation Date	2011
Utility Program Cost	\$0.28/kWh
DSM Program Load Factor	40%
DSM Measure Life	10 yrs
DSM Measure Persistence	100%
DSM Program Free-Ridership	50%

Utilizing the assumptions presented in Table 4-6 and the avoided utility costs developed from the lowest-cost expansion case, the Strategist model computed a cost to benefit ratio under a Utility Cost Test of 0.57, indicating that the average benefits received by the Big Stone II Members from avoided costs produced from the DSM programs are projected to be 57% of the DSM program costs incurred by the members. Because the existing DSM programs being undertaken by the Big Stone II Members are not shown to be cost effective, it is reasonable to assume that should the members decide or be required to implement additional DSM programs, that additional DSM implementations would likely cost more per unit of benefit received and, therefore, additional DSM implementation would show lower cost to benefit ratios that those computed for the existing programs.

CONCLUSIONS

The resource expansion modeling demonstrates that growth in member and changes in planned capacity results in the need for new capacity additions for the Big Stone II Members in the near future. To meet this need, the Big Stone II Members will need to acquire new capacity resources. Evaluations of available and possible resource alternatives indicate that Big Stone Unit II is a viable, low-cost means for the Big Stone II Members to meet this need. Furthermore, the beneficial results produced by acquiring 30 MW of Big Stone Unit II capacity above the current allocation of the Big Stone II Members underscores the need of the members to obtain low-cost, baseloaded capacity.

APPENDICES

The following appendices are included to provide supplemental information regarding portions of this Resource Expansion Analysis:

Appendix A: Load Forecast Statistical Output

Appendix B: Big Stone II Member Load Forecast Tables and Charts

Appendix C: Historical Weather Data

Appendix D: Big Stone II Member Economic Data



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Appendix A LOAD FORECAST STATISTICAL OUTPUT



Appendix A Statistical Output

		Member	County
Member	County	Abbreviation	Abbreviation
Blue Earth	Faribault	BE	FAR
Delano	Wright	DE	WRI
Fairfax	Renville	FA	RENV
Glencoe	McLeod	GL	MCLE
Granite Falls	Yellow Medicine	GR	YELL
Janesville	Waseca	JA	WAS
Kasson	Dodge	KA	DODG
Kenyon	Goodhue	KE	GOOD
Mountain Lake	Cottonwood	МО	сотт
Sleepy Eye	Brown	SL	BROW
Springfield	Brown	SP	BROW
Willmar	Kandiyohi	WI	KAND
Windom	Cottonwood	WN	COTT

Variable Key Codes				
CDD	Cooling Degree Days (Minneapolis - St. Paul Airport)			
GDP	Gross Domestic Product			
HDD	Heating Degree Days (Minneapolis - St. Paul Airport)			
NEL	Net Energy Requirements			
PY	Total Personal Income			
RETSAL	Total Retail Sales			

Statistical Output Syntax Guide

Variable: County Abbreviation (if applicable), then Variable Key Code.

Example: FARGDP = Faribault County Gross Domestic Product

Statistical Output: Blue Earth

Dependent Variable: LOG(BE_NEL) Method: Least Squares Date: 05/19/06 Time: 15:22 Sample: 1990 2005 Included observations: 16 Variable Coefficient Std. Error t-Statistic Prob. 0.00 7.56 0.40 18.76 LOG(FARGDP) 0.52 0.05 9.62 0.00 CDD 8.57E-05 0.23 6.76E-05 1.27 HDD 2.60E-05 2.48E-05 1.05 0.32 R-squared 10.84 0.92 Mean dependent var S.D. dependent var 0.14 Adjusted R-squared 0.90 S.E. of regression 0.04 Akaike info criterion (3.22)Sum squared resid 0.02 Schwarz criterion (3.03)F-statistic 44.98 Log likelihood 29.80 Durbin-Watson stat Prob(F-statistic)

1.57

0.00

Statistical Output: Delano

Dependent Variable: LOG(DE_NEL)						
		<u>L)</u>				
Method: Least Squares						
Date: 05/18/06 Time: 00:15						
Sample: 1990 2005						
Included observations	:: 16					
Variable	Coefficient	Std. Error	t-Statistic	Prob.		
	4.05	0.40	05.04	0.00		
C	4.05	0.16	25.24	0.00		
LOG(WRIRETSAL)	0.95	0.03	36.66	0.00		
CDD	7.57E-05	3.81E-05	1.99	0.07		
R-squared	0.99	Mean dep	endent var	10.43		
Adjusted R-squared	0.99	S.D. depe	ndent var	0.27		
S.E. of regression	0.02	Akaike info criterion (4.43				
Sum squared resid	0.01	Schwarz criterion (4.2)				
Log likelihood	38.48	F-statistic		947.62		
Durbin-Watson stat	2.11	Prob(F-sta	atistic)	0.00		

Statistical Output: Fairfax

Dependent Variable:	LOG(FA_NE	L)					
Method: Least Squares							
1	Date: 05/18/06 Time: 00:35						
Sample: 1990 2005							
Included observations:	16						
Variable	Coefficient	Std. Error	t-Statistic	Prob.			
С	8.07	0.25	31.76	0.00			
LOG(RENVGDP)	0.16	0.04	4.45	0.00			
CDD	2.73E-05	3.33E-05	0.82	0.43			
HDD	5.35E-05	1.28E-05	4.18	0.00			
R-squared	0.72	Mean dep	endent var	9.42			
Adjusted R-squared	0.65	S.D. depe	ndent var	0.04			
S.E. of regression	0.02	Akaike info criterion (4.52)					
Sum squared resid	0.01	Schwarz criterion (4.32					
Log likelihood	40.14	F-statistic					
Durbin-Watson stat	1.81	Prob(F-sta	atistic)	0.00			

Statistical Output: Glencoe

Dependent Variable:	LOG(GL_NE	L)				
Method: Least Squares	3					
Date: 05/18/06 Time: 00:57						
Sample: 1990 2005						
Included observations:	16					
Variable	Coefficient	Std. Error	t-Statistic	Prob.		
С	3.23	0.62	5.17	0.00		
LOG(MCLEPY)	1.15	0.09	12.88	0.00		
CDD	1.07E-04	4.36E-05	2.46	0.03		
HDD	3.05E-05	1.59E-05	1.92	0.08		
YEAR>2003	(0.12)	0.02	(4.91)	0.00		
R-squared	0.95	Mean dep	endent var	11.19		
Adjusted R-squared	0.94	S.D. depe	ndent var	0.12		
S.E. of regression	0.03					
Sum squared resid	0.01	Schwarz criterion (3.7		(3.73)		
Log likelihood	36.76		F-statistic			
Durbin-Watson stat	2.28	Prob(F-sta	atistic)	0.00		

Statistical Output: Granite Falls

Dependent Variable: LOG(GR_NEL)						
Method: Least Squares						
Date: 05/18/06 Time: 01:10						
Sample: 1990 2005						
Included observations:	16					
Variable	Coefficient	Std. Error	t-Statistic	Prob.		
	. 0.00	4.00	0.05	0.00		
C	8.28		6.25	0.00		
LOG(YELLPY)	0.34		1.47	0.17		
CDD	8.99E-05	8.66E-05	1.04	0.32		
HDD	1.68E-05	3.30E-05	0.51	0.62		
_						
R-squared	0.26	Mean dep	endent var	10.31		
Adjusted R-squared	0.08	S.D. depe	ndent var	0.06		
S.E. of regression	0.06	Akaike info criterion (2.56				
Sum squared resid	0.04	•		(2.37)		
Log likelihood	24.47	F-statistic		1.43		
Durbin-Watson stat	1.37	Prob(F-sta	atistic)	0.28		

Statistical Output: Janesville

Dependent Variable: LOG(JA_NEL)

Method: Least Squares Date: 05/18/06 Time: 09:47

Sample: 1991 2005 Included observations: 15

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.88	0.28	20.65	0.00
LOG(WASRETSAL)	0.70	0.06	11.13	0.00
CDD	1.56E-04	3.44E-05	4.53	0.00
R-squared	0.95	Mean dep	endent var	9.28
Adjusted R-squared	0.94	S.D. depe	endent var	0.10
S.E. of regression	0.02	Akaike inf	o criterion	(4.54)
Sum squared resid	0.01	Schwarz o	criterion	(4.40)
Log likelihood	37.04	F-statistic		114.73
Durbin-Watson stat	1.72	Prob(F-sta	atistic)	0.00

Statistical Output: Kasson

Dependent Variable: LOG(KA_NEL)

Method: Least Squares Date: 05/18/06 Time: 10:43

Sample: 1990 2005 Included observations: 16

Variable	Coefficient	Std. Error	t-Statistic	Prob.
С	2.37	0.54	4.34	0.00
LOG(DODGPY)	1.21	0.08	14.81	0.00
CDD	1.15E-04	7.61E-05	1.51	0.16
HDD	5.39E-05	2.60E-05	2.07	0.06
R-squared	0.97	Mean dep	endent var	10.05
Adjusted R-squared	0.96	S.D. depe	ndent var	0.23
S.E. of regression	0.05	Akaike inf	o criterion	(3.03)
Sum squared resid	0.03	Schwarz o	criterion	(2.84)
Log likelihood	28.23	F-statistic		111.31
Durbin-Watson stat	2.54	Prob(F-sta	atistic)	0.00

Statistical Output: Kenyon

Dependent Variable: LOG(KE_NEL)

Method: Least Squares

Date: 05/18/06 Time: 16:07 Sample(adjusted): 1991 2005

Included observations: 15 after adjusting endpoints Convergence achieved after 18 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C LOG(GOODPY) CDD HDD AR(1)	1.52 1.13 8.86E-05 2.34E-05 0.57	1.28 0.18 3.19E-05 1.50E-05 0.21	1.18 6.37 2.78 1.56 2.77	0.26 0.00 0.02 0.15 0.02
R-squared Adjusted R-squared S.E. of regression Sum squared resid Log likelihood	0.97 0.96 0.02 0.01 37.68	S.D. depe Akaike info Schwarz o F-statistic	o criterion criterion	9.60 0.12 (4.36) (4.12) 84.64
Durbin-Watson stat	1.46	Prob(F-sta	atistic)	0.00

Statistical Output: Mountain Lake

Dependent Variable: LOG(MO_NEL)						
Method: Least Squares						
Date: 05/18/06 Time: 11:35						
Sample: 1990 2005						
Included observations:	16					
Variable	Coefficient	Std. Error	t-Statistic	Prob.		
С	4.88	0.65	7.52	0.00		
LOG(COTTGDP)	0.84	0.12	6.95	0.00		
CDD	3.40E-04	1.05E-04	3.23	0.01		
R-squared	0.87	Mean dep	endent var	9.79		
Adjusted R-squared	0.85	S.D. depe	ndent var	0.19		
S.E. of regression	0.07	Akaike inf	o criterion	(2.24)		
Sum squared resid	0.07	•		(2.09)		
Log likelihood	20.90	F-statistic 42		42.34		
Durbin-Watson stat	2.43	Prob(F-sta	atistic)	0.00		

Statistical Output: Sleepy Eye

Dependent Variable: LOG(SL_NEL)						
Method: Least Squares						
Date: 05/18/06 Time: 11:47						
Sample: 1990 2005						
Included observations:	16					
, i	*					
Variable	Coefficient	Std. Error	t-Statistic	Prob.		
C	7.18	0.33	21.60	0.00		
LOG(BROWGDP)	0.49	0.05	10.67	0.00		
CDD	8.91E-05	4.08E-05	2.18	0.05		
HDD	1.44E-05	1.44E-05	1.00	0.34		
R-squared	0.93	Mean dep	endent var	10.62		
Adjusted R-squared	0.92	S.D. depe	ndent var	0.09		
S.E. of regression	0.03	Akaike info criterion (4.18)				
Sum squared resid	0.01	•				
Log likelihood	37.41	F-statistic 56		56.55		
Durbin-Watson stat	1.60	Prob(F-sta	atistic)	0.00		

Statistical Output: Springfield

Dependent Variable: L	OG(SP NEI	_)											
Method: Least Squares			-										
Date: 05/19/06 Time: 0	09:02												
Sample: 1990 2005													
Included observations: 16													
Variable	Coefficient	Std. Error	t-Statistic	Prob.									
·													
C	6.69	0.39	17.00	0.00									
LOG(BROWRETSAL)	0.60	0.07	8.09	0.00									
CDD	1.39E-04	4.86E-05	2.87	0.01									
YEAR>2003	0.06	0.03	2.32	0.04									
R-squared	0.95	Mean dep	endent var	10.14									
Adjusted R-squared	0.94	S.D. depe	ndent var	0.12									
S.E. of regression	0.03	Akaike inf	o criterion	(3.96)									
Sum squared resid	0.01	Schwarz o	criterion	(3.77)									
Log likelihood	35.68	F-statistic		73.65									
Durbin-Watson stat	1.34	Prob(F-sta	atistic)	0.00									

Statistical Output: Wilmar

Dependent Variable:	LOG(WI_NEL	-)		
Method: Least Square	es			
Date: 05/18/06 Time	: 12:10			
Sample: 1990 2005				
Included observations	: 16			
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.18	0.47	10.91	0.00
LOG(KANDPY)	1.01	0.07	15.37	0.00
CDD	6.59E-05	4.43E-05	1.49	0.16
HDD	3.52E-05	1.54E-05	2.29	0.04
R-squared	0.97	Mean dep	endent var	12.39
Adjusted R-squared	0.96	S.D. depe	ndent var	0.14
S.E. of regression	0.03	Akaike info	o criterion	(4.06)
Sum squared resid	0.01	Schwarz o	riterion	(3.87)
Log likelihood	36.52	F-statistic		111.86
Durbin-Watson stat	1.39	Prob(F-sta	atistic)	0.00

Statistical Output: Windom

Dependent Variable: LOG(WN_NEL)

Method: Least Squares Date: 05/18/06 Time: 12:25 Sample(adjusted): 1991 2005

Included observations: 15 after adjusting endpoints

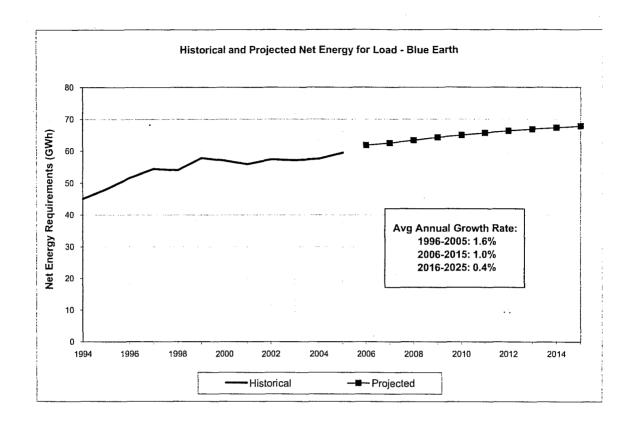
Convergence achieved after 7 iterations

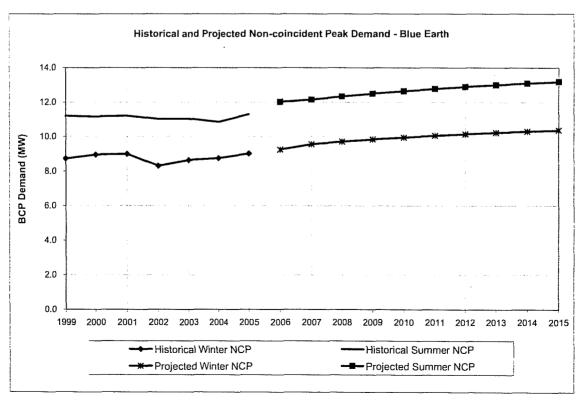
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	9.49	0.98	9.63	0.00
LOG(COTTGDP)	0.28	0.16	1.80	0.10
CDD	7.68E-05	3.78E-05	2.03	0.07
AR(1)	0.87	0.09	10.10	0.00
R-squared Adjusted R-squared S.E. of regression Sum squared resid	0.97 0.96 0.03 0.01	S.D. depe Akaike inf Schwarz d	o criterion	11.00 0.14 (3.96) (3.77)
Log likelihood	33.66	F-statistic	atistic)	104.85
Durbin-Watson stat	1.99	Prob(F-sta		0.00

Appendix B BIG STONE II MEMBER LOAD FORECAST TABLES AND CHARTS



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Blue Earth
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requireme	ents (CY)			Non-	Coinciden	ıt Peak Dem	and		Со	incident P	eak Demand	ı
		Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	51,547	•	51,105		-0.9%	8.2	•	71.8%	10.3	-	57.1%	#N/A	-	#N/A	
	1997	54,409	5.6%	54,692	7.0%	0.5%	8.3	0.7%	75.2%	10.5	1.9%	59.2%	#N/A	#N/A	#N/A	#N/A
	1998	54,021	-0.7%	55,629	1.7%	3.0%	8.2	-1.1%	75.5%	10.6	1.4%	58.0%	#N/A	#N/A	#N/A	#N/A
ल	1999	57,811	7.0%	59,061	6.2%	2.2%	8.7	6.8%	75.6%	11.2	5.3%	58.9%	#N/A	#N/A	#N/A	#N/A
Historical	2000	57,009	-1.4%	57,686	-2.3%	1.2%	9.0	2.7%	72.6%	11.2	-0.4%	58.3%	#N/A	#N/A	#N/A	#N/A
isto	2001	55,870	-2.0%	55,860	-3.2%	0.0%	9.0	0.4%	70.9%	11.2	0.5%	56.9%	#N/A	#N/A	#N/A	#N/A
I	2002	57,374	2.7%	56,613	1.3%	-1.3%	8.3	-7.7%	78.8%	11.0	-1.7%	59.4%	#N/A	#N/A	#N/A	#N/A
	2003	57,103	-0.5%	56,744	0.2%	-0.6%	8.6	4.1%	75.4%	11.0	0.1%	59.1%	#N/A	#N/A	#N/A	#N/A
	2004	57,585	0.8%	59,116	4.2%	2.7%	8.7	1.2%	75.1%	10.9	-1.6%	60.6%	#N/A	#N/A	#N/A	#N/A
	2005	59,482	3.3%	59,290	0.3%	-0.3%	9.0	3.0%	75.3%	11.3	4.1%	60.1%	#N/A	#N/A	#N/A	#N/A
	2006	61,767	3.8%	61,767	4.2%		9.2	2.5%	76.3%	12.0	6.4%	58.7%	8.9	#N/A	11.7	#N/A
	2007	62,457	1.1%	62,457	1.1%		9.6	3.4%	74.6%	12.1	1.1%	58.7%	9.0	1.1%	11.9	1.1%
	2008	63,404	1.5%	63,404	1.5%		9.7	1.5%	74.6%	12.3	1.5%	58.7%	9.1	1.5%	12.0	1.5%
	2009	64,292	1.4%	64,292	1.4%		9.8	1.4%	74.6%	12.5	1.4%	58.7%	9.2	1.4%	12.2	1.4%
	2010	65,002	1.1%	65,002	1.1%		10.0	1.1%	74.6%	12.6	1.1%	58.7%	9.3	1.1%	12.3	1.1%
	2011	65,692	1.1%	65,692	1.1%		10.1	1.1%	74.6%	12.8	1.1%	58.7%	9.4	1.1%	12.5	1.1%
	2012	66,332	1.0%	66,332	1.0%		10.2	1.0%	74.6%	12.9	1.0%	58.7%	9.5	1.0%	12.6	1.0%
	2013	66,860	0.8%	66,860	0.8%		10.2	0.8%	74.6%	13.0	0.8%	58.7%	9.6	0.8%	12.7	0.8%
þ	2014	67,359	0.7%	67,359	0.7%		10.3	0.7%	74.6%	13.1	0.7%	58.7%	9.7	0.7%	12.8	0.7%
ž	2015	67,811	0.7%	67,811	0.7%		10.4	0.7%	74.6%	13.2	0.7%	58.7%	9.7	0.7%	12.9	0.7%
Projected	2016	68,230	0.6%	68,230	0.6%		10.4	0.6%	74.6%	13.3	0.6%	58.7%	9.8	0.6%	13.0	0.6%
ď.	2017	68,695	0.7%	68,695	0.7%		10.5	0.7%	74.6%	13.4	0.7%	58.7%	9.9	0.7%	13.0	0.7%
	2018	69,066	0.5%	69,066	0.5%		10.6	0.5%	74.6%	13.4	0.5%	58.7%	9.9	0.5%	13.1	0.5%
	2019	69,315	0.4%	69,315	0.4%		10.6	0.4%	74.6%	13.5	0.4%	58.7%	10.0	0.4%	13.2	0.4%
	2020	69,545	0.3%	69,545	0.3%		10.6	0.3%	74.6%	13.5	0.3%	58.7%	10.0	0.3%	13.2	0.3%
	2021	69,731	0.3%	69,731	0.3%		10.7	0.3%	74.6%	13.6	0.3%	58.7%	10.0	0.3%	13.2	0.3%
	2022	69,960	0.3%	69,960	0.3%		10.7	0.3%	74.6%	13.6	0.3%	58.7%	10.1	0.3%	13.3	0.3%
	2023	70,217	0.4%	70,217	0.4%		10.7	0.4%	74.6%	13.7	0.4%	58.7%	10.1	0.4%	13.3	0.4%
	2024	70,409	0.3%	70,409	0.3%		10.8	0.3%	74.6%	13.7	0.3%	58.7%	10.1	0.3%	13.4	0.3%
_	2025	70,605	0.3%	70,605	0.3%		10.8	0.3%	74.6%	13.7	0.3%	58.7%	10.1	0.3%	13.4	0.3%
ξ	Thru 2005		1.6%		1.7%			1.1%	74.6%		1.0%	58.8%		#N/A		#N/A
AAGR	2006-2015		1.0%		1.0%			1.3%	74.7%		1.0%	58.7%		1.0%		1.0%
۹	2016-2025		0.4%		0.4%			0.4%	74.6%		0.4%	58.7%		0.4%		0.4%

	(MWh)
Earth	Requirements
Blue	Energy
	Net
	Monthly

FY Total	#N/A	Ø/N#	4/N#	V/N#	#N/A	V/N#	W/A/	56.967	57.132	59.301	61,256	62,296	63,182	64,084	64,836	65.531	56,182	66.736	67.242	67.705	68.132	68,586	68,980	69,257	69.491	69.688	69.906	70,157	70.364	70,559
CY Total	A/N#	#N/A	#N/A	#N/A	#N/A	#W/A	57.374	57.103	57.585	59.482	61,767	62,457	63,404	64,292	65,002	65.692	66,332	66,860	67,359	67,811	68,230	68,695	990'69	69,315	69,545	69,731	69,960	70,217	70,409	70,605
Dec	#N/A	#WA/A	#N/A	#N/A	#N/A	#W/A	4.567	4.701	4,803	4,993	5,084	5,141	5,219	5,292	5,351	5,408	5,460	5,504	5,545	5,582	5,616	5,655	5,685	5,706	5,725	5,740	5,759	5,780	5,796	5,812
Nov	W/N#	W/W#	W/N#	#N/A	#N/A	#N/A	4.223	4.185	4,410	4,325	4,574	4,625	4,695	4,761	4,813	4,865	4,912	4,951	4,988	5,021	5,052	5,087	5,114	5,133	5,150	5,164	5,181	5,200	5,214	5,228
oct	W/V#	W/A#	#N/A	V/V#	#W/A	W/V#	4,378	4,417	4,543	4,619	4,790	4,844	4,917	4,986	5,041	5,095	5,144	5,185	5,224	5,259	5,291	5,328	5,356	5,376	5,393	5,408	5,426	5,446	5,460	5,476
Sep	W/V#	#N/A	#N/A	#N/A	#N/A	#WA/A	5,031	4,880	5,146	5,357	5,444	5,505	5,589	5,667	5,729	5,790	5,847	5,893	5,937	5,977	6,014	6,055	6,088	6,110	6,130	6,146	6,166	6,189	6,206	6,223
Aug	W/N#	#N/A	#N/A	∀/V#	#N/A	#N/A	5,614	5,961	5,240	6,077	6,106	6,174	6,268	6,355	6,426	6,494	6,557	609'9	6,659	6,703	6,745	6,791	6,827	6,852	6,875	6,893	6,916	6,941	6,960	6,979
亨	#N/A	∀/N#	Y/N#	#N/A	#N/A	#N/A	6,291	5,949	5,769	6,330	6,492	6,565	6,664	6,758	6,832	6,905	6,972	7,027	7,080	7,127	7,171	7,220	7,259	7,286	7,310	7,329	7,353	7,380	7,400	7,421
Jun	W/N#	#N/A	#N/A	#N/A	#N/A	#N/A	5,390	4.881	5,026	5,469	5,538	2,600	5,685	5,765	5,828	5,890	5.948	5,995	6,040	6,080	6,118	6,159	6,193	6,215	6,236	6,252	6,273	6,296	6,313	6,331
May	W/N#	W/N#	#N/A	#N/A	#N/A	#N/A	4,273	4,195	4,331	4.432	4,596	4,648	4,718	4,784	4,837	4.889	4,936	4,975	5,013	5,046	5.077	5,112	5,140	5,158	5,175	5,189	5,206	5,225	5,240	5,254
Apr	#N/A	#N/A	#V/V	#N/A	#N/A	#N/A	4,350	4,184	4,181	4,244	4,525	4,576	4,645	4,710	4,762	4,813	4,860	4,898	4,935	4,968	4,999	5,033	5,060	5,078	5,095	5,109	5,126	5,144	5,158	5,173
Mar	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	4,538	4,527	4,588	4,539	4,854	4.908	4,983	5,053	5,108	5,163	5,213	5,254	5,294	5,329	5,362	5,399	5,428	5,447	5,465	5,480	5,498	5,518	5,533	5,549
Feb	#N/A	Y/N#	#N/A	#N/A	#N/A	#N/A	4,075	4,327	4,542	4,206	4,577	4,628	4,698	4,764	4,816	4,868	4,915	4,954	4,991	5,025	5,056	5,090	5,118	5,136	5,153	5,167	5,184	5,203	5,217	5,232
Jan	#N/A	#N/A	#N/A	#N/A	#N/A	∀/N#	4,644	4,896	5,003	4.892	5,185	5,243	5,323	5.397	5,457	5,515	5,569	5,613	5,655	5,693	5,728	5,767	96/'C	9,619	5,838	5,854	5,873	5,895	5,911	5,927
Year	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	BI 07	5007	2020	2021	2022	2023	2024	5707
	Historical										,	paş	5 9	ĺσι	d			•			,	jec	эə,	(ou	ď			,		

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Feb Mar Apr Ma	4/N# 4/N# 1	4/N# v	W/N#	#N/A #N/A #N/A #N/A #N/A #N/A	A/N# A/N#	A/N# A/N# A/N#	7.1% 7.9% 7.6% 7.4%	7.9% 7.3%	7.9% 8.0% 7.3% 7.5%	7.1% 7.6% 7.1% 7.5%	7.4% 7.9% 7.3% 7.4%	7.4% 7.9% 7.3% 7.4%	7.4% 7.9% 7.3% 7.4%	7.4% 7.9% 7.3% 7.4%	7.4% 7.9% 7.3% 7.4%	7.4% 7.9% 7.3% 7.4%	7.4% 7.9% 7.3% 7.4%	7.4% 7.9% 7.3% 7.4%	B.4% 7.4% 7.9% 7.3% 7.4% 9.0%	7.9% 7.3% 7.4%	A'N# A'N# A'N#	
Jul	#N/A	#N/A	#N/A	#W/A			11.0%	•												10.5%	#N/A	
Aug Sep	4/N# A/N#	4/N# A/N#	#N/A #N/A	#N/A #W/A	- "		9.8%	10.4% 8.5%			9.9% 8.8%				9.9%					_		
Oct	Y/V#	W/N#	Ψ/N#	4V/V#	√/N#	V/N#	7.6%			7.8%					7.8%	7.8%	7.8%	7.8%	7 8%	7.8%	A/N#	
Nov	V/V#	V/N#	#W#	V/N#	Q/N#	WW#	7.4%	7.3%	7.7%	7.3%	7.4%	7.4%	7.4%	7.4%	7.4%	7.4%	7.4%	7.4%	7.4%	7.4%	#W/A	
Dec	#W/A	₽/N#	A/N#	() () () () () () () () () ()	4111	V/N#	%0 B	8.2%	8.3%	8.4%	8.2%	8.2%	8.2%	%	8.2%	A 2%	8.2%	% c &	2 × ×	8.2%	V/N#	
Total	A/V#	V/W#	(C 4247	₹ × × × × × × × × × × × × × × × × × × ×	V/14#	100 001	100 0%	100.0%	100.0%	100.0%	100 0%	100 0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	4WA	() L

Blue Earth
Monthly Non-Coincident Peak Demand (MW)

						•									
	Year	Jan	Feb	Mar	Apr -	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Tel	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
÷Ē	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	#N/A	#N/A	#N/A	#N/A	7.8	11.2	11.2	11.2	10.6	8.3	8.3	8.3	#N/A	11.2
Ť	2002	8.3	8.3	8.3	9.2	9.8	11.0	11.0	10.8	11.0	7.9	8.1	8.3	8.3	11.0
	2003	8.6	8.5	8.2	8.4	8.3	10.7	11.0	10,9	10.4	8.4	7.7	8.7	8.6	11.0
	2004	8.6	8.4	8.2	8.0	8.3	10.7	10.9	10.6	10.8	8.5	8.1	9.0	8.7	10.9
	2005	8.5	8.1	7.9	7.9	8.2	11.3	11.1	10.8	10.7	10.1	7.9	9.1	9,0	11.3
	2006	9.2	9.0	8,7	8.7	9.3	11.9	12.0	11.7	11.7	10.0	9.0	9.6	9.2	12.0
	2007	9.3	9.1	8.8	8.8	9.4	12.0	12.1	11.9	11.9	10.1	9.2	9.7	9.6	12.1
	2008	9.5	9.3	8.9	9.0	9.5	12.2	12.3	12.0	12.0	10.3	9.3	9.8	9.7	12.3
g	2009	9.6	9.4	9.1	9.1	9.7	12.4	12.5	12.2	12.2	10.4	9.4	10.0	9.8	12.5
Projected	2010	9.7	9.5	9.2	9.2	9.8	12.5	12.6	12.3	12.3	10.5	9.5	10.1	10.0	12.6
ĕ	2011	9.8	9.6	9.3	9.3	9.9	12.6	12.8	12.5	12.5	10.7	9.6	10.2	10.1	12.8
ά	2012	9.9	9.7	9.3	9.4	10.0	12.8	12.9	12.6	12.6	10.8	9.7	10.2	10.2	12.9
	2013	10.0	9.8	9.4	9.5	10.0	12.9	13.0	12.7	12.7	10.8	9.7	10.3	10.2	13.0
	2014	10.1	9.8	9.5	9.5	10.1	13.0	13.1	12.8	12.8	10.9	9.8	10.4	10.3	13.1
	2015	10.1	9.9	9.6	9.6	10.2	13.1	13.2	12.9	12.9	11.0	9.9	10.4	10.4	13.2
	2016	10.2	10.0	9.6	9.7	10.2	13.1	13.3	13.0	13.0	11.1	9.9	10.5	10.4	13.3
	2017	10.3	10.0	9.7	9.7	10.3	13.2	13.4	13.1	13.1	11.1	10.0	10.6	10.5	13.4
	2018	10.3	10.1	9.7	9.8	10.4	13.3	13.4	13.1	13,1	11.2	10.0	10.6	10.6	13.4
Ð	2019	10.4	10.1	9.8	9.8	10.4	13.3	13.5	13.2	13.2	11.2	10.1	10,6	10.6	13.5
Projected	2020	10.4	10.2	9.8	9.8	10.4	13.4	13.5	13.2	13.2	11.3	10.1	10.7	10,6	13.5
÷	2021	10.4	10.2	9.8	9.9	10.5	13.4	13.6	13.2	13.2	11.3	10.1	10.7	10.7	13.6
ď	2022	10.5	10.2	9.9	9,9	10.5	13.5	13.6	13.3	13.3	11.3	10.2	10.7	10.7	13.6
	2023	10.5	10.3	9.9	9,9 .	10.5	13.5	13.7	13.3	13.3	11.4	10.2	10.8	10.7	13.7
	2024	10.5	10,3	9.9	10.0	10.6	13.6	13.7	13.4	13.4	11.4	10.2	10.8	10.8	13.7
	2025	10.6	10.3	10.0	10.0	10.6	13.6	13.7	13.4	13.4	11.5	10.2	10.8	10.8	13.7

Monthly Load Factors

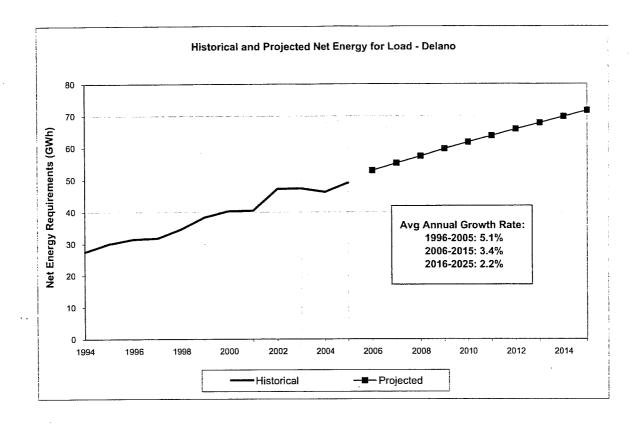
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
<u></u>	1999														
Ę	2000														
Historical	2001														
Ĩ	2002	75.6%	73.4%	73.8%	65.5%	58.3%	68.1%	76.7%	69.7%	63.8%	74.2%	72.9%	73.7%	78.8%	59.4%
	2003	76.1%	75.6%	73.9%	69.3%	67.6%	63.4%	72.5%	73.6%	65.4%	70.4%	75.1%	72.2%	75.4%	59.1%
	2004	78.3%	78.0%	75.2%	72.7%	70.4%	65.1%	71.5%	66.2%	66.1%	71.9%	75.7%	71.6%	75.1%	60.6%
	2005	77.2%	77.0%	77.5%	74.6%	72.4%	67.3%	76.9%	75.5%	69.5%	61.4%	76.4%	74.0%	75.3%	60.1%
	2006	75.4%	75.5%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.3%	71.5%	76.3%	58.7%
	2007	75.4%	75.5%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.0%	71.2%	74.6%	58.7%
	2008	75.4%	72.9%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.1%	71.3%	74.6%	58.7%
Ä	2009	75.4%	75.5%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.3%	71.5%	74.6%	58.7%
Projected	2010	75.4%	75.5%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.3%	71.5%	74.6%	58.7%
÷	2011	75.4%	75.5%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.4%	71.6%	74.6%	58.7%
ď	2012	75.4%	72.9%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.5%	71.7%	74.6%	58.7%
	2013	75.4%	75.5%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.5%	71.7%	74.6%	58.7%
	2014	75.4%	75.5%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.6%	71.8%	74.6%	58.7%
	2015	75.4%	75.5%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.6%	71.8%	74.6%	58.7%
ę.	1996-2005	76.8%	76.0%	75.1%	70.5%	67.2%	66.0%	74.4%	71.2%	66.2%	69.5%	75.0%	72.9%	76.2%	59.8%
₹	2006-2015	75.4%	75.0%	74.9%	71.9%	66.6%	64.7%	72.7%	69.9%	64.4%	64.3%	70.4%	71.6%	74.7%	58.7%

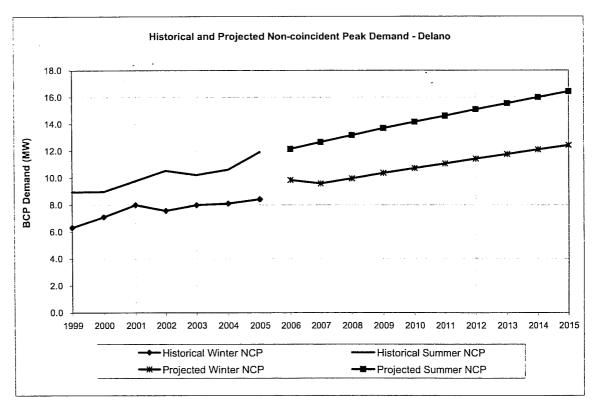
Blue Earth Monthly Coincident-Peak Demand (MW)

		16											4		
	Year	Jan	Feb	Mar	Apr.	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	8.9	8.7	8.2	8.5	8.9	11.3	11.7	11.1	11.4	9.7	8.8	9.4	8.9	11.7
	2007	9.0	8.8	8.3	8.6	9.0	11.4	11.9	11.3	11.5	9.8	8.9	9.6	9.0	11.9
	2008	9.1	8.9	8.4	8.7	9.1	11.6	12.0	11.4	11.7	9.9	9,0	9.7	9.1	12.0
, d	2009	9.2	9.1	8.5	8.9	9,3	11.7	12.2	11.6	11.9	10.1	9.1	9.8	9.2	12.2
ojected	2010	9.3	9.2	8.6	9.0	9.4	11.9	12.3	11.7	12.0	10.2	9.2	9.9	9.3	12.3
픙	2011	9.4	9.3	8.7	9.0	9.5	12.0	12.5	11.9	12.1	10.3	9.3	10.0	9.4	12.5
ď.	2012	9.5	9.4	8.8	9.1	9.6	12.1	12,6	12,0	12.2	10.4	9.4	10.1	9.5	12.6
	2013	9.6	9.4	8,9	9.2	9.6	12.2	12.7	12.1	12.3	10.5	9.5	10.2	9.6	12.7
	2014	9.7	9.5	8.9	9.3	9.7	12.3	12.8	12.2	12,4	10.5	9.5	10.2	9.7	12.8
	2015	9.7	9.6	9.0	9.3	9.8	12.4	12.9	12.2	12.5	10.6	9.6	10.3	9.7	12.9
	2016	9.8	9.6	9.1	9.4	9.8	12.5	13.0	12.3	12.6	10.7	9.6	10.4	9.8	13.0
	2017	9.9	9.7	9.1	9.5	9.9	12.5	13.0	12.4	12.7	10.7	9.7	10.4	9.9	13.0
	2018	9.9	9.7	9.2	9.5	10.0	12.6	13.1	12.5	12.7	10.8	9.7	10.5	9.9	13,1
P	2019	10.0	9.8	9.2	9.5	10.0	12.6	13.2	12.5	12.8	10.8	9.8	10.5	10.0	13.2
ij	2020	10.0	9.8	9.2	9.6	10.0	12.7	13.2	12.5	12.8	10.9	9.8	10.5	10.0	13.2
ġ	2021	10.0	9.8	9.3	9.6	10.1	12.7	13.2	12.6	12.9	10.9	9.8	10.6	10.0	13.2
Ē.	2022	10.1	9.9	9.3	9.6	10.1	12.8	13.3	12.6	12.9	10.9	9.9	10.6	10.1	13.3
	2023	10.1	9.9	9.3	9.7	10.1	12.8	13.3	12.7	12.9	11.0	9.9	10.6	10,1	13.3
	2024	10.1	9.9	9.3	9.7	10.1	12.8	13.4	12,7	13.0	11.0	9.9	10.7	10.1	13.4
	2025	10.1	10.0	9.4	9.7	10.2	12.9	13.4	12.7	13.0	11.0	9.9	10.7_	10.1	13.4

Monthly Coincidence Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	96.0%	97.7%
	2007	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
	2008	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
g	2009	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
ţ	2010	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
ĕ	2011	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
ď.	2012	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
	2013	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
	2014	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
	2015	96.0%	96.6%	94.1%	97.3%	96.0%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	93.9%	97.7%
	2006-2015	96.0%	96.6%	94.1%	97.3%	96.6%	94.8%	97.7%	95.0%	97.1%	96.4%	97.0%	98.6%	94.1%	97.7%





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Delano
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requireme	ents (CY)			Non-	Coinciden	ıt Peak Dem	and		Co	incident Po	eak Demand	I
		Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	31,428	•	31,660		0.7%	5.7	-	63.4%	7.0	-	51.0%	#N/A		#N/A	•
	1997	31,818	1.2%	32,033	1.2%	0.7%	5.8	2.9%	62.4%	7.3	3.4%	49.9%	#N/A	#N/A	#N/A	#N/A
	1998	34,634	8.9%	34,480	7.6%	-0.4%	5.9	2.1%	66.6%	8.1	11.1%	48.9%	#N/A	#N/A	#N/A	#N/A
ō	1999	38,396	10.9%	38,202	10.8%	-0.5%	6.3	6.4%	69.4%	9.0	10.9%	48.9%	#N/A	#N/A	#N/A	#N/A
Historical	2000	³ 40,311	5.0%	40,296	5.5%	0.0%	7.1	12.5%	64.7%	9.0	0.2%	51.2%	#N/A	#N/A	#N/A	#N/A
iste	2001	40,459	0.4%	39,782	-1.3%	-1.7%	8.0	12.5%	57.7%	9.8	8.9%	47.2%	#N/A	#N/A	#N/A	#N/A
I	2002	47,242	16.8%	46,224	16.2%	-2.2%	7.6	-5.4%	71.3%	10.5	7.8%	51.1%	#N/A	#N/A	#N/A	#N/A
	2003	47,366	0.3%	46,725	1.1%	-1.4%	8.0	5.5%	67.7%	10.2	-3.1%	52.9%	#N/A	#N/A	#N/A	#N/A
	2004	46,262	-2.3%	46,687	-0.1%	0.9%	8.1	1.5%	65.2%	10.6	3.8%	49.8%	#N/A	#N/A	#N/A	#N/A
	2005	49,162	6.3%	48,051	2.9%	-2.3%	8.4	3.9%	66.7%	11.9	12.3%	47.1%	#N/A	#N/A	#N/A	#N/A
	2006	52,972	7.7%	52,972	10.2%		9.8	17.0%	61.4%	12.1	1.9%	49.8%	8.7	#N/A	11.5	#N/A
	2007	55,223	4.2%	55,223	4.2%		9.6	-2.7%	65.8%	12.7	4.2%	49.8%	9.1	4.2%	12.0	4.2%
	2008	57,414	4.0%	57,414	4.0%		10.0	4.0%	65.8%	13.2	4.0%	49.8%	9.4	4.0%	12.5	4.0%
	2009	59,741	4.1%	59,741	4.1%		10.4	4.1%	65.8%	13.7	4.1%	49.8%	9.8	4.1%	13.0	4.1%
	2010	61,804	3.5%	61,804	3.5%		10.7	3.5%	65.8%	14.2	3.5%	49.8%	10.1	3.5%	13.4	3.5%
	2011	63,757	3.2%	63,757	3.2%		11.1	3.2%	65.8%	14.6	3.2%	49.8%	10.5	3.2%	13.9	3.2%
	2012	65,822	3.2%	65,822	3.2%		11.4	3.2%	65.8%	15.1	3.2%	49.8%	10.8	3.2%	14.3	3.2%
	2013	67,795	3.0%	67,795	3.0%		11.8	3.0%	65.8%	15.5	3.0%	49.8%	11.1	3.0%	14.7	3.0%
ba	2014	69,745	2.9%	69,745	2.9%		12.1	2.9%	65.8%	16.0	2.9%	49.8%	11.4	2.9%	15.2	2.9%
Projected	2015	71,628	2.7%	71,628	2.7%		12.4	2.7%	65.8%	16.4	2.7%	49.8%	11.7	2.7%	15.6	2.7%
ē	2016	73,383	2.5%	73,383	2.5%		12.7	2.5%	65.8%	16.8	2.5%	49.8%	12.0	2.5%	15.9	2.5%
ā	2017	75,193	2.5%	75,193	2,5%		13.0	2.5%	65.8%	17.2	2.5%	49.8%	12.3	2.5%	16.3	2.5%
	2018	76,944	2.3%	76,944	2.3%		13.4	2.3%	65.8%	17.6	2.3%	49.8%	12.6	2.3%	16.7	2.3%
	2019	78,702	2.3%	78,702	2.3%		13.7	2.3%	65.8%	18.0	2.3%	49.8%	12.9	2.3%	17.1	2.3%
	2020	80,458	2.2%	80,458	2.2%		14.0	2.2%	65.8%	18.5	2.2%	49.8%	13.2	2.2%	17.5	2.2%
	2021	82,226	2,2%	82,226	2.2%		14.3	2.2%	65.8%	18.9	2.2%	49.8%	13.5	2.2%	17.9	2.2%
	2022	83,989	2.1%	83,989	2.1%		14.6	2.1%	65.8%	19.3	2.1%	49.8%	13.8	2,1%	18.2	2.1%
	2023	85,784	2.1%	85,784	2.1%		14.9	2.1%	65.8%	19.7	2.1%	49.8%	14.1	2.1%	18.6	2.1%
	2024	87,536	2.0%	87,536	2.0%		15.2	2.0%	65.8%	20.1	2.0%	49.8%	14.4	2.0%	19.0	2.0%
_	2025	89,326	2.0%	89,326	2.0%		15.5	2.0%	65.8%	20.5	2.0%	49.8%	14.6	2.0%	19.4	2.0%
œ	Thru 2005		5.1%		4.7%			4.5%	65.5%		6.0%	49.8%		#N/A		#N/A
AAGR	2006-2015		3.4%		3.4%			2.6%	65.3%		3.4%	49.8%		3.4%		3.4%
∢	2016-2025		2.2%		2.2%			2.2%	65.8%		2.2%	49.8%		2.2%		2.2%

	(MWh)
Delano	Net Energy Requirements
	lonthly

1.	ď	₫	⋖	⋖	∢	∢	⋖	6	7	- -1	2	9	2	ວ	4	4	2	7		cy i	on	9	-	7	4	80		0	o.	œ.
rr lotal	/N#	1N#	₹N/₩	/N#	IN#	V/N#	/N#	47,39	46,37	48,63	51,95	54,66	56,87	59,16	61,29	63,27	65,31	67,30	69,263	71,16	72,94	74,74	76,51	78,26	80,02	81,78	83,55	85,34	87,10	88'88
CY lotal	#N/A	W/N#	#N/A	#N/A	#N/#	Y/N#	47,242	47,366	46,262	49,162	52,972	55,223	57,414	59,741	61,804	63,757	65,822	67,795	69,745	71,628	73,383	75,193	76,944	78,702	80,458	82,226	83,989	85,784	87,536	89,326
Dec	#N/A	¥N/A	W/W#	¥N/¥	#N/A	#N/A	4,028	4,156	4,195	4,438	4,687	4,886	5,080	5,286	5,469	5,642	5,824	5,999	6,172	6,338	6,493	6,654	6,808	6,964	7,119	7,276	7,432	7,591	7,746	7,904
Nov	¥/V#	#N/A	W/V#	#N/A	#N/A	#N/A	3,710	3,726	3,711	3,811	4,171	4,348	4,520	4,704	4,866	5,020	5,182	5,338	5,491	5,639	5,778	5,920	6,058	6,196	6,335	6,474	6,613	6,754	6,892	7,033
Ö	W/V#	#N/A	#N/A	#N/A	#N/A	#N/A	3,956	3,779	3,640	3,827	4,238	4,418	4,594	4,780	4,945	5,101	5,266	5,424	5,580	5,731	5,871	6,016	6,156	6,297	6,437	6,579	6,720	6,864	7,004	7,147
Sep	¥N/¥	#N/A	W/N#	W/V#	#N/¥	#N/A	3,982	3,830	3,912	4,068	4,403	4,590	4,772	4,965	5,137	5,299	5,471	5,635	5,797	5,953	660'9	6,250	6,395	6,541	6,687	6,834	6,981	7,130	7,276	7,424
Aug	A/N#	#N/A	#N/A	#N/A	#N/A	W/V#	4,195	4,622	3,917	4,564	4,819	5,024	5,223	5,435	5,623	5,800	5,988	6,168	6,345	6,516	6,676	6,841	7,000	7,160	7,319	7,480	7,641	7,804	7,963	8,126
Jul	W/V#	#N/A	#N/A	#N/A	#N/A	∀/N#	4,927	4,536	4,302	4,917	5,206	5,427	5,642	5,871	6,074	6,265	6,468	6,662	6,854	7,039	7,211	7,389	7,561	7,734	7,907	8,080	8,254	8,430	8,602	8.778
Jun	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	4,062	3,824	3,651	4,356	4,426	4,615	4,798	4,992	5,164	5,328	5,500	5,665	5,828	5,985	6,132	6,283	6,430	6,577	6,723	6.871	7,018	7,168	7,315	7,464
May	Y/N#	#N/A	#N/A	#N/A	#N/A	#N/A	3.577	3,564	3,394	3,617	3,945	4,113	4,276	4,449	4,603	4,748	4,902	5,049	5,194	5,334	5,465	5,600	5,730	5,861	5,992	6,124	6,255	6,389	6,519	6.652
Apr	∀/N#	#N/A	#N/A	#N/A	#N/A	4/V#	3,600	3,562	3,473	3,470	3.934	4,101	4.264	4.437	4,590	4,735	4,889	5.035	5,180	5.320	5,450	5,585	5,715	5,845	5,976	6,107	6,238	6,371	6,501	6.634
Mar	#N/A	∀/N#	∀/N#	∀/N#	#N/#	#N/A	3.730	3,836	3,879	3,980	4.301	4.483	4.661	4.850	5.018	5,176	5,344	5,504	5,663	5,815	5.958	6,105	6,247	6,390	6,532	6,676	6,819	6,965	7,107	7.252
Feb	#N/A	Ø/N#	W/N#	#W/A	W/N#	W/N#	3.489	3.747	3.878	3,784	4.155	4.332	4.504	4.686	4,848	5,001	5,163	5.318	5,471	5.619	5,756	5,898	6,036	6,174	6,311	6,450	6,588	6,729	6,867	7 007
Jan	Y/N#	4/N#	#V/A	4/V#	₩.V.A	#W/A	3.985	4.183	4.309	4.330	4.687	4.886	5.080	5.285	5.468	5.541	5,823	5.998	6.171	6.337	6.492	6,653	6.807	6,963	7,118	7.275	7,431	7,589	7.745	7 903
Year	1996	1007	1001	1000	2000	2001	2002	2003	2004	2005	2006	2007	2008	5002	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	'			þ	soh	oj	siH				•			p	əşə	əļc	nA				,			p	əjə	əļc	ภ4			

Factors
Allocation
Energy /
Monthly

#N/A #N/A #N/A 7.4% 7.9% 81.4% 7.18% 7.8% 7.8% 7.8%		# NI/A # # NI/A # # NI/A 7.5% 7.1% 7.4% 7.4% 7.4%	#NIA #NIA #NIA #NIA 7.5% 7.5% 7.4% 7.4% 7.4%	# N/A # N/A	# N N A # N N N A # N N N A # N N N A # N N N A # N N N A # N N N A # N N N N	#NIA #NIA #NIA #NIA #NIA #NIA #NIA #NIA	#NIA #NIA #NIA #NIA #NIA #NIA #NIA #NIA	#NIA #NIA #NIA #NIA #NIA #NIA # 8.0% 7.8% 7.8% 8.0% 8.0% 8.0%	MA M		#N/A # # #N/A # # #N/A # # # # # # # # # # # # # # # # # # #
7.8%	8.1%	7.4%	7.4%	B.4% B.4%	9.8%	9,1%	8.3%	8.0%	7.9	% %	
%8.		7.4%	7.4%	8.4%	9.8% 8.8%	9.1%	8.3%	8.0% 8.0%	7.9%	« »	
7.8%		7.4%	7.4%	8.4%	9.8%	9.1%	8.3%	8.0%	7.9%	ا	
#N/A	#N/W	#N/A	V/N# .	#N/A	#N/A	#N/A	#N/A	W/N#	₹	4	W/W
%B%											/000

Delano Monthly Non-Coincident Peak Demand (MW)

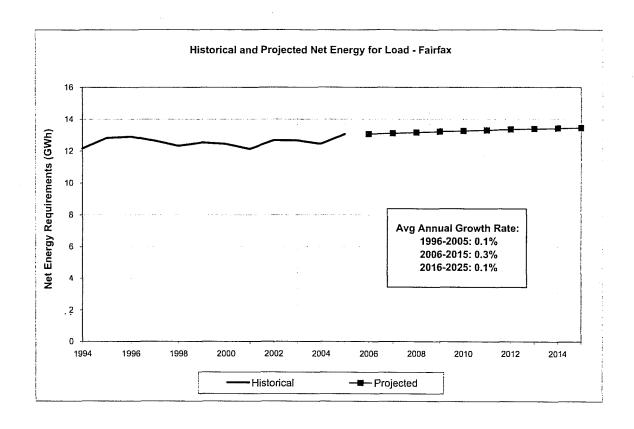
	Year	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
7	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ë	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	#N/A	#N/A	#N/A	#N/A	6.1	9.0	9.6	9.8	7.5	6.5	7.1	7.4	#N/A	8.9
Ξ	2002	7.6	7.0	7.0	7.3	8.0	9.7	10.5	9.0	10.2	7.4	7.4	8.0	7.6	10.5
	2003	7.6	7.3	7.2	7.1	7.1	8.9	9.4	10.2	9.0	7.3	7.3	7.7 8.2	0.8	10.2
	. 2004	8.1	7.7	7.4	7.2	7.6	9.4	10.6	9.3	9.9	7.3	7.6	8.2	8.1	10.6
	2005	8.4	7. <u>9</u>	7.7	7.5	7.8	11.2	11.6	11.9	10.3	9.2	8.3	9.8	8.4	11.9
	2006	9.2	8.6	8.4	8.2	9.0	10.5	12.1	11.5	11.0	8.3	8.9	9.4	9.8	12.1
	2007	9.6	9.0	8.7	8.5	9.4	11.0	12.7	12.0	11.5	8.7	9.2	9.8	9.6	12.7
	2008	10.0	9.4	9.1	8.9	9.8	11.4	13.2	12.5	11.9	9.0	9.6	10.1	10.0	13.2
eg.	2009	10.4	9.7	9.4	9.2	10.2	11.9	13.7	13.0	12.4	9.4	9.9	10.5	10.4	13.7
끟	2010	10.7	10.1	9.8	9.6	10.5	12.3	14.2	13.4	12.9	9.7	10.3	10.8	10.7	14.2
Projected	2011	11.1	10.4	10.1	9.9	10.9	12.7	14.6	13.8	13.3	10.0	10.6	11.2	11.1	14.6
ā.	2012	11.4	10.7	10.4	10.2	11.2	13.1	15.1	14.3	13.7	10.3	10.9	11.5	11.4	15.1
	2013	11.8	11.1	10.7	10.5	11.5	13.5	15.5	14.7	14.1	10.6	11.2	11.8	11.8	15.5
	2014	12.1	11.4	11.0	10.8	11.9	13.9	16.0	15.1	14.5	11.0	11.5	12.2	12.1	16.0
	2015	12.4	11.7	11.3	11.1	12.2	14.3	16.4	15.6	14.9	11.2	11.8	12.5	12.4	16.4
	2016	12.7	12.0	11.6	11.4	12.5	14.6	16.8	15.9	15.3	11.5	12.1	12.8	12.7	16.8
	2017	13.0	12.3	11.9	11.6	12.8	15.0	17.2	16.3	15.6	11.8	12.4	13.1	13.0	17.2
	2018	13.4	12.5	12.2	11.9	13.1	15.3	17.6	16.7	16.0	12.1	12.7	13.4	13.4	17.6
eg	2019	13.7	12.B	12.4	12.2	13.4	15.7	18.0	17.1	16.4	12.4	12.9	13.7	13.7	18.0
Projected	2020	14.0	13.1	12.7	12.5	13.7	16.0	18.5	17.5	16.7	12.6	13.2	14.0	14.0	18.5
ĕ	2021	14.3	13.4	13.0	12.7	14.0	16.4	18.9	17.9	17.1	12.9	13.5	14.3	14.3	18.9
ā.	2022	14.6	13.7	13.3	13.0	14.3	16.7	19.3	18.2	17.5	13.2	13.8	14.6	14.6	19.3
	2023	14.9	14.0	13.6	13.3	14.6	17.1	19.7	18.6	17.9	13.5	14.1	14.9	14.9	19.7
	2024	15.2	14.3	13.8	13.6	14.9	17.4	20.1	19.0	18.2	13.7	14.4	15.2	15.2	20.1
	2025	15.5	14.6	14.1	13.8	15.2	17.8	20.5	19.4	18.6	14.0	14.7	15.5	15.5	20.5

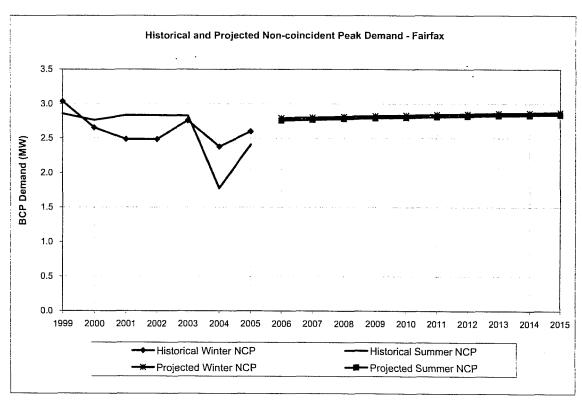
Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996		100	11101	- Chi	Huy	Juli	301	Aug	<u>seb</u>		1404	Dec	TVIIII FK	Suilli FK
	1997														
	1998														
rá	1999														
.E	2000														
Historical	2001														
Ξ	2002	70.8%	74.2%	71.9%	68.1%	60.0%	58.2%	62.8%	62.4%	54.3%	71.8%	70.0%	67.8%	71.3%	51.1%
	2003	73.7%	76.1%	71.2%	70.1%	67.4%	59.5%	65.2%	60.8%	58.8%	69.3%	70.8%	72.6%	67.7%	52.9%
	2004	71.5%	71.9%	70.6%	66.8%	59.8%	53.7%	54.5%	56.7%	54.8%	66.9%	67.9%	68.8%	65.2%	49.8%
	2005	69.2%	71.2%	69.8%	64.0%	62.6%	54.1%	57.0%	51.5%	54.6%	55.7%	63.7%	60.6%	66.7%	47.1%
	2006	68.5%	71.6%	69.0%	66,6%	58.8%	58.3%	57.6%	56.3%	55.5%	68.5%	65.2%	67.2%	61.4%	49.8%
	2007	68.5%	71.6%	69.0%	66.6%	58.8%	58.3%	57.6%	56.3%	55.5%	68.5%	65.4%	67.3%	65.8%	49.8%
	2008	68.5%	69.1%	69.0%	66.6%	58.8%	58,3%	57.6%	56.3%	55.5%	68.5%	65.3%	67.3%	65.8%	49.8%
끃	2009	68.5%	71,6%	69.0%	66.6%	58.8%	58.3%	57.6%	56.3%	55.5%	68.5%	65.7%	67.7%	65.8%	49.8%
걿	2010	68.5%	71.6%	69.0%	66.6%	58.8%	58.3%	57.6%	56.3%	55.5%	68.5%	65.9%	67.9%	65.8%	49.8%
Projected	2011	68.5%	71.6%	69.0%	66.6%	58.8%	58.3%	57.6%	56.3%	55.5%	68.5%	65.9%	67.8%	65.8%	49.8%
ū.	2012	68.5%	69.1%	69.0%	66.6%	58.8%	58.3%	57.6%	56.3%	55.5%	68.5%	66.0%	68.0%	65.8%	49.8%
	2013	68.5%	71.6%	69.0%	66.6%	58.8%	58.3%	57.6%	56.3%	55.5%	68.5%	66.1%	68.1%	65.8%	49.8%
	2014	68.5%	71.6%	69.0%	66.6%	58.8%	58.3%	57.6%	56,3%	55,5%	68.5%	66.2%	68.2%	65.8%	49.8%
	2015	68.5%	71.6%	69.0%	66.6%	58.8%	58.3%	57.6%	56.3%	55,5%	68.5%	66.4%	68.3%	65.8%	49.8%
Avg.	1996-2005	71.3%	73.3%	70.9%	67.2%	62.4%	56.4%	59.9%	57.8%	55.7%	65.9%	68.1%	67.5%	67.7%	50.2%
⋖	2006-2015	68.5%	71.1%	69.0%	66.6%	58.8%	58.3%	57.6%	56.3%	55.5%	68.5%	65.8%	67.8%	65.3%	49.8%

Monthly Colincident-Peak Demand (MW) May Jun Jul Aug Sep Oct Nov Dac Wntr Pk Suntr Pk Sun					Delano	-	į				
Jun Jul Aug Sep Oct Nov Dec Mnt .9 10.4 11.5 11.4 10.7 8.1 8.7 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 11.2 10.2 11.2 10.2			Wo	thly Coinc	ident-Pea	k Demand	(MAV)				
10.4 11.5 11.4 10.7 8.1 8.7 9.1 10.8 12.0 11.9 11.1 8.8 9.6 9.1 9.5 11.2 12.5 12.8 12.0 9.1 9.8 10.2 12.1 13.4 13.3 12.5 9.4 10.1 10.6 12.5 13.3 13.7 12.8 9.4 10.1 10.6 12.9 13.3 13.7 13.4 13.7 13.4 13.7 13.4 14.5 13.7 10.4 11.9 11.5 13.1 13.1 13.1 14.4 15.8 14.8 14.2 14.5 13.3 13.1 14.7 15.3 15.5 14.8 14.5 12.7 13.3 13.1 14.7 15.3 15.5 14.8 14.5 12.7 13.3 13.6 15.4 14.8 14.5 13.3 13.6 15.4 14.8 14.5 13.3 13.6 15.8 14.8 14.5 13.3 13.6 15.8 14.8 14.8 14.5 13.3 13.8 14.5	Mar		May	Jun		Aug	Sep	Oct	Nov	Dec	
10.8 12.0 11.9 11.1 8.4 9.1 9.5 11.2 12.5 12.3 12.6 9.1 9.8 9.9 11.7 13.0 12.8 12.0 9.1 9.8 9.9 12.1 13.4 13.3 12.5 9.4 10.1 10.6 12.5 13.3 12.8 9.7 10.1 10.9 10.9 12.3 14.7 14.6 13.7 10.4 10.7 11.5 13.3 14.2 14.4 10.9 11.6 11.5 14.4 16.9 16.8 14.8 10.7 11.3 14.7 16.3 16.8 14.4 10.9 11.6 12.4 14.7 16.3 16.8 14.4 10.9 11.6 12.7 14.7 16.3 16.9 12.0 12.7 13.0 15.1 17.1 16.9 12.9 13.0 13.6 16.4 17.5 17	[E		8.6	10.4	11.5	11.4	10.7	8.1	8.7	9.1	8.7
11.2 12.5 12.3 11.6 8.8 9.6 9.9 11.7 13.0 12.8 12.0 9.1 9.8 10.2 12.5 13.9 13.7 12.5 9.4 10.1 10.6 12.9 14.3 13.7 12.8 9.7 10.4 10.9 13.3 14.7 14.8 13.7 10.4 10.0 11.5 13.6 15.4 14.4 10.7 11.3 11.3 11.4 14.0 15.6 15.4 14.4 10.9 11.6 12.4 14.7 16.3 16.3 14.4 10.9 11.5 12.4 14.7 16.3 16.3 14.4 10.9 12.4 12.4 14.7 16.3 16.3 16.5 11.8 12.7 13.3 15.4 17.7 16.6 12.6 13.3 13.6 14.2 16.4 16.7 17.7 16.6 12.6 13.3	8.7 8.3		.6	10.8	12.0	11.9	11.1	8.4	9.1	9.5	9.1
11.7 13.0 12.8 12.0 9.1 9.8 10.2 12.1 13.4 13.3 12.5 9.4 10.4 10.6 12.9 14.3 14.2 13.3 10.1 10.4 10.5 13.3 14.7 14.6 13.7 10.4 11.0 14.0 15.6 15.0 14.1 10.9 11.6 12.1 14.1 15.9 15.8 14.8 11.2 11.9 15.4 17.1 16.9 15.8 11.8 12.2 15.4 17.7 16.9 15.8 15.8 13.0 15.4 17.7 16.9 15.8 12.0 15.5 17.5 17.3 16.5 12.6 15.6 18.1 16.7 13.3 15.7 17.8 17.7 16.8 12.8 15.8 18.6 18.4 17.3 17.1 19.0 19.8 17.6 17.2 19.4 19.2 18.0 17.3 13.1 13.9 17.4 19.7 19.8 13.6 17.5 17.5 17.1 16.9 17.6 18.8 17.6 13.4 17.7 19.0 19.8 17.6 17.7 19.0 19.8 17.6 17.8 19.7 19.7 19.7 17.9 19.7 19.7 19.7 17.1 19.7 19.7 19.7 17.2 19.7 19.7 19.7 17.5 19.7 19.7 19.7 17.5 19.7 19.7 19.7 17.5 19.7 19.7 19.7 17.5 19.7 19.7 19.7 17.5 19.7 19.7 17.5 19.7 19.7 17.5 19.7 19.7 17.5 19.7 19.7 17.5 19.7 19.7 17.5 19.7 19.7 17.5 19.7 19.7 17.5 19.7 19.7 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5	9.0 8.6		6.7		12.5	12.3	11.6	8.8	9.5	6'6	9.4
12.1 13.4 13.3 12.5 9.4 10.1 10.6 12.5 13.9 14.2 13.7 10.1 10.7 11.5 12.3 14.7 14.6 13.7 10.4 10.9 11.5 13.3 14.7 14.6 13.7 10.4 11.0 11.5 14.6 15.6 15.4 14.4 10.9 11.6 12.1 14.7 16.3 16.2 15.1 11.2 12.7 12.7 15.7 17.1 16.9 15.9 12.0 12.7 13.3 15.7 17.5 17.5 16.2 12.0 12.7 13.3 16.4 18.2 18.1 16.9 12.8 13.6 14.2 16.7 17.7 16.9 15.8 12.0 12.7 13.3 16.4 18.2 18.1 16.9 12.8 13.6 14.5 16.8 18.8 17.7 13.9 14.5 14.1	9.4 9.0		10		13.0	12.8	12.0	<u>9</u>	9.8	10.2	9.8
12.5 13.9 13.7 12.8 9.7 10.4 10.9 12.9 14.3 14.2 13.3 10.1 10.7 11.2 13.6 14.2 14.2 13.3 10.1 10.7 11.2 13.6 15.2 15.0 14.1 10.7 11.3 11.9 14.4 16.9 15.6 15.8 14.8 11.5 11.9 12.4 14.7 16.3 16.2 15.1 11.5 12.4 14.7 16.3 16.2 15.1 11.5 12.2 12.7 15.1 16.7 16.5 15.5 11.8 12.5 13.0 15.4 17.7 16.8 16.2 12.6 13.3 13.9 16.4 16.8 1			10,		13.4	13.3	12.5	9.4	10.1	10.6	10.1
12.9 14.3 14.2 13.3 10.1 10.7 11.2 13.3 14.7 14.6 13.7 10.4 11.5 11.5 13.6 15.6 15.4 10.9 11.6 12.1 14.7 16.3 15.8 14.8 11.2 11.9 12.4 14.7 16.3 15.8 14.8 11.2 12.2 12.7 15.4 17.7 16.5 15.5 11.8 12.2 12.7 15.4 17.7 16.9 15.9 12.0 13.3 13.6 15.4 17.7 16.9 12.8 13.0 13.6 13.3 13.6 16.4 17.7 16.9 12.6 13.3 13.6 14.2 14.5 14.5 14.5 14.5 13.3 13.6 14.5 14.6 14.5 14.6 14.6 14.6 14.6 14.6 14.6 14.6 14.6 14.6 14.6 14.6 14.6 14.6 1			10		13.9	13.7	12.8	9.7	10,4	10.9	10.5
13.3 14.7 14.6 13.7 10.4 11.5 11.5 13.6 15.2 15.0 14.1 10.7 11.3 11.9 14.4 15.9 15.6 14.4 10.9 11.6 12.4 14.7 16.3 16.2 16.1 11.2 11.9 12.4 15.4 17.1 16.5 16.5 11.8 12.5 12.7 15.4 17.1 16.9 15.5 11.8 12.7 13.3 15.7 17.7 16.6 12.6 12.7 13.3 16.4 18.2 18.1 16.5 12.6 13.3 13.6 16.4 18.2 18.1 16.5 12.8 13.6 14.2 16.5 18.2 12.8 13.6 14.5 14.5 17.5 18.4 17.5 13.4 14.5 14.4 15.1 17.5 19.4 19.2 18.0 13.6 14.4 15.1	10.3 9.9		Ξ		14.3	14.2	13.3	10.1	10.7	11.2	10.8
13.6 15.2 15.0 14.1 10.7 11.3 11.9 14.0 15.6 15.4 14.4 10.9 11.6 12.1 14.4 15.9 15.8			Ŧ		14.7	14.6	13.7	10.4	11.0	11.5	11.1
14.0 15.6 15.4 14.4 10.9 11.5 12.1 14.4 15.9 15.8 14.8 11.2 11.9 12.4 14.7 16.3 16.2 15.1 11.5 12.2 12.7 15.1 16.7 16.5 15.5 11.8 12.5 13.0 15.4 17.7 16.9 15.2 12.7 13.3 13.0 15.7 17.7 16.6 12.6 13.3 13.6 13.6 16.4 18.2 18.1 16.9 12.8 13.6 14.2 16.8 18.6 17.3 13.1 13.9 14.5 17.5 19.0 18.8 17.5 13.4 14.1 14.8 17.5 19.4 19.2 18.0 13.6 14.4 15.1	10.9 10.5		Ξ		15.2	15.0	14.1	10.7	11.3	1,9	11.4
14.4 16.9 15.8 14.8 11.2 11.9 12.4 14.7 16.3 16.2 15.1 11.5 12.2 12.7 15.4 17.7 16.9 15.9 11.8 12.5 13.3 15.7 17.7 16.9 15.9 12.7 13.3 16.1 17.3 16.2 12.3 13.6 14.2 16.4 18.2 18.1 16.9 12.8 13.6 14.2 16.8 18.6 17.3 13.1 13.9 14.5 17.5 19.4 19.2 18.0 13.6 14.4 15.1			12.		15.6	15.4	14.4	10.9	11.6	12.1	11.7
14.7 16.3 16.2 15.1 11.5 12.2 12.7 15.1 16.5 16.5 11.6 12.5 13.0 15.4 17.7 16.5 12.0 12.5 13.0 15.7 17.5 17.3 16.2 12.0 13.0 16.1 17.5 17.7 16.6 12.6 13.0 13.6 16.4 18.2 18.1 16.9 12.8 13.6 14.2 16.8 18.6 18.4 17.5 13.1 13.9 14.5 17.1 19.0 19.2 18.0 13.6 14.5 15.1			12.		15.9	15.8	14.8	11.2	11.9	12.4	12.0
15.1 16.7 16.5 15.5 11.8 12.5 13.0 15.4 17.1 16.9 15.9 12.0 12.7 13.3 15.1 17.3 17.3 16.2 12.3 13.0 13.6 16.4 18.2 18.1 16.9 12.8 13.6 14.2 16.8 18.4 17.3 13.1 13.9 14.5 17.1 19.0 18.8 17.6 13.4 14.1 14.1 14.1 14.1 14.1 14.1 14.1 14.1 15.1 13.0 14.5 17.5 19.4 19.2 18.0 13.6 14.4 15.1			12.		16.3	16.2	15.1	11.5	12.2	12.7	12.3
15.4 17.1 16.9 15.9 12.0 12.7 13.3 15.7 17.5 17.3 16.2 12.3 13.0 13.6 16.4 18.2 18.1 16.5 12.6 13.3 13.9 16.6 18.6 18.4 17.3 13.1 13.9 14.5 17.1 19.0 18.8 17.6 13.4 14.1 14.8 17.5 19.4 19.2 18.0 13.6 14.4 15.1			13.		16.7	16.5	15.5	11.8	12.5	13.0	12.6
15.7 17.5 17.3 16.2 12.3 13.0 13.6 16.1 17.9 17.7 16.6 12.6 13.3 13.9 16.4 18.2 18.1 16.5 12.6 13.3 13.9 16.4 18.1 18.0 18.4 17.3 13.1 13.9 14.5 17.1 19.0 18.8 17.6 13.4 14.1 14.8 17.5 19.4 19.2 18.0 13.6 14.4 15.1			13.		17.1	16.9	15.9	12.0	12.7	13.3	12.9
16.1 17.9 17.7 16.6 12.6 13.3 13.9 16.4 18.2 18.1 16.9 12.8 13.6 14.2 16.8 18.4 17.3 13.1 13.9 14.5 17.1 19.0 18.8 17.6 13.4 14.1 14.8 17.5 19.4 19.2 18.0 13.6 14.4 15.1			13.5		17.5	17.3	16.2	12.3	13.0	13.6	13.2
16.4 18.2 18.1 16.9 12.8 13.6 14.2 16.8 18.6 18.4 17.3 13.1 13.9 14.5 17.5 19.4 19.2 18.0 13.6 14.4 15.1			13.		17.9	17.7	16.6	12.6	13.3	13.9	13.5
16.8 18.6 18.4 17.3 13.1 13.9 14.5 17.1 19.0 18.8 17.6 13.4 14.1 14.8 17.5 19.4 19.2 18.0 13.6 14.4 15.1			14		18.2	18.1	16.9	12.8	13.6	14.2	13.8
17.1 19.0 18.8 17.6 13.4 14.1 14.8 17.5 19.4 19.2 18.0 13.6 14.4 15.1		_	14.		18.6	18.4	17.3	13.1	13.9	14.5	14.1
17.5 19.4 19.2 18.0 13.6 14.4 15.1	13.7 13.1		14.		19.0	18.8	17.6	13,4	14.1	14.8	14.4
	14.0 13.4		15.	17.5	19.4	19.2	18.0	13.6	14.4	15.1	14.6

Sumr Pk											
Wntr Pk										J	
Dec	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%
Nov	98.4%	98.4%	98.4%	98.4%	98.4%	98.4%	98.4%	98.4%	98.4%	98.4%	98.4%
Oct	. 97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%
Sep	%8'96	86.8%	96.8%	86.8%	96.8%	96.8%	96.8%	96.8%	89.96	96.8%	96.8%
Aug	99.1%	99.1%	99.1%	99.1%	99.1%	99.1%	99.1%	99.1%	99.1%	99.1%	89.1%
Jul	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%
Jun	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%
Мау										98.9%	
Apr	96.8%	96.8%	89.9%	96.8%	96.8%	96.8%	96.8%	96.8%	96.8%	96.8%	96 A ¹ / ₂
æ	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	%6 55
Feb	ı									95.8%	ŀ
Jan	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	704 20%
Year	•									2015	•





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Fairfax
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requirem	ents (CY)			Non-	Coincider	nt Peak Dem	and		Co	incident Pe	eak Demand	l
		Actual		Normalized		Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	12,906	•	12,496	•	-3.2%	2.8	•	52.8%	2.3	-	64.1%	#N/A	-	#N/A	
	1997	12,649	-2.0%	12,616	1.0%	-0.3%	2.7	-3.7%	53.8%	2.3	0.1%	62.7%	#N/A	#N/A	#N/A	
	1998	12,328	-2.5%	13,212	4.7%	7.2%	2.9	8.9%	48.1%	2.8	21.3%	50.4%	#N/A	#N/A	#N/A	
ā	1999	12,543	1.7%	13,241	0.2%	5.6%	3.0	3.8%	47.2%	2.9	2.3%	50.1%	#N/A	#N/A	#N/A	
Historical	2000	12,445	-0.8%	12,761	-3.6%	2.5%	2.7	-12.5%	53.5%	2.8	-3.3%	51.4%	#N/A	#N/A	#N/A	
stc	2001	12,126	-2.6%	12,532	-1.8%	3.3%	2.5	-6.4%	55.7%	2.8	2.6%	48.8%	#N/A	#N/A	#N/A	
Ξ	2002	12,674	4.5%	12,872	2.7%	1.6%	2.5	0.0%	58.2%	2.8	0.0%	51.1%	#N/A	#N/A	#N/A	#N/A
	2003	12,671	0.0%	12,848	-0.2%	1.4%	. 2.8	10.9%	52.5%	2.8	-0.2%	51.2%	#N/A	#N/A	#N/A	
	2004	12,452	-1.7%	12,909	0.5%	3.7%	2.4	-13.8%	59.8%	1.8	-37.2%	80.1%	#N/A	#N/A	#N/A	
	2005	13,063	4.9%	13,575	5.2%	3.9%	2.6	9.3%	57.4%	2.4	35.5%	62.0%	#N/A	#N/A	#N/A	#N/A
	2006	13,068	0.0%	13,068	-3.7%		2.8	7.5%	53.4%	2.8	14.7%	54.1%	2.7	#N/A	2.6	#N/A
	2007	13,104	0.3%	13,104	0.3%		2.8	0.3%	53.4%	2.8	0.3%	54.1%	2.7	0.3%	2.6	0.3%
	2008	13,164	0.5%	13,164	0.5%		2.8	0.5%	53.4%	2.8	0.5%	54.1%	2.7	0.5%	2.6	0.5%
	2009	13,221	0.4%	13,221	0.4%		2.8	0.4%	53.4%	2.8	0.4%	54.1%	2.7	0.4%	2.6	0.4%
	2010	13,266	0.3%	13,266	0.3%		2.8	0.3%	53.4%	2.8	0.3%	54.1%	2.7	0.3%	2.6	0.3%
	2011	13,311	0.3%	13,311	0.3%		2.8	0.3%	53.4%	2.8	0.3%	54.1%	2.7	0.3%	2.6	0.3%
	2012	13,353	0.3%	13,353	0.3%		2.9	0.3%	53.4%	2.8	0.3%	54.1%	2.7	0.3%	2.7	0.3%
	2013	13,389	0.3%	13,389	0.3%		2.9	0.3%	53.4%	2.8	0.3%	54.1%	2.7	0.3%	2.7	0.3%
þa	2014	13,421	0.2%	13,421	0.2%		2.9	0.2%	53.4%	2.8	0.2%	54.1%	2.7	0.2%	2.7	0.2%
Projected	2015	13,451	0.2%	13,451	0.2%		2.9	0.2%	53.4%	2.8	0.2%	54.1%	2.7	0.2%	2.7	0.2%
ē	2016	13,479	0.2%	13,479	0.2%		2.9	0.2%	53.4%	2.8	0.2%	54.1%	2.7	0.2%	2.7	0.2%
σ.	2017	13,509	0.2%	13,509	0.2%		2,9	0.2%	53.4%	2.9	0.2%	54.1%	2.8	0.2%	2.7	0.2%
	2018	13,532	0.2%	13,532	0.2%		2.9	0.2%	53.4%	2.9	0.2%	54.1%	2.8	0.2%	2.7	0.2%
	2019	13,548	0.1%	13,548	0.1%		2.9	0,1%	53.4%	2.9	0.1%	54.1%	2.8	0.1%	2.7	0.1%
	2020	13,564	0.1%	13,564	0.1%		2.9	0.1%	53.4%	2.9	0.1%	54.1%	2.8	0.1%	2.7	0.1%
	2021	13,577	0.1%	13,577	0.1%		2.9	0.1%	53.4%	2.9	0.1%	54.1%	2.8	0.1%	2.7	0.1%
	2022	13,593	0.1%	13,593	0.1%		2.9	0.1%	53.4%	2.9	0.1%	54.1%	2.8	0.1%	2.7	0.1%
	2023	13,610	0.1%	13,610	0.1%		2.9	0.1%	53.4%	2.9	0.1%	54.1%	2.8	0.1%	2.7	0.1%
	2024	13,624	0.1%	13,624	0.1%		2.9	0.1%	53.4%	2.9	0.1%	54.1%	2.8	0.1%	2.7	0.1%
_	2025	13,638	0.1%	13,638	0.1%		2.9	0.1%	53.4%	2.9	0.1%	54.1%	2.8	0.1%	2.7	0.1%
œ	Thru 2005		0.1%		0.9%			-0.8%	53.9%		0.5%	57.2%		#N/A		#N/A
AAGR	2006-2015		0.3%		0.3%			0.3%	53.4%		0.3%	54.1%		0.3%		0.3%
٩	2016-2025		0.1%		0.1%			0.1%	53.4%		0.1%	54.1%		0.1%		0.1%

Fairfax Monthly Net Energy Requirements (MWh)

						•		•		•					
	Year	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ī	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ę	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	1,183	1,151	1,066	886	788	898	1,088	1,011	890	983	1,047	1,135	12,126	#N/A
Ξ	2002	1,154	1,051	1,123	939	844	905	1,219	1,055	1,029	1,124	1,089	1,141	12,674	12,485
	2003	1,288	1,213	1,134	920	821	878	1,067	1,126	972	1,066	1,022	1,165	12,671	12,772
	2004	1,241	1,133	1,075	927	915	937	1,090	956	. 933	967	999	1,278	12,452	12,460
	2005	1,361	1,087	1,121	873	869	1,010	1,143	1,014	932	1,065	1,232	1,354	13,063	12,656
	2006	1,291	1,170	1,145	944	879	960	1,163	1,071	987	1,080	1,117	1,259	13,068	13,263
	2007	1,295	1,174	1,148	946	882	963	1,167	1,074	990	1,083	1,120	1,263	13,104	13,095
	2008	1,301	1,179	1,154	950	886	967	1,172	1,079	994	1,088	1,126	1,269	13,164	13,148
g	2009	1,307	1,184	1,159	955	890	971	1,177	1,084	998	1,092	1,130	1,274	13,221	13,206
Projected	2010	1,311	1,188	1,163	958	893	975	1,181	1,088	1,002	1,096	1,134	1,279	13,266	13,254
ě	2011	1,315	1,192	1,167	961	896	978	1,185	1,091	1,005	1,100	1,138	1,283	13,311	13,299
ō.	2012	1,320	1,196	1,170	964	898	981	1,189	1,095	1,008	. 1,103	1,142	1,287	13,353	13,342
	2013	1,323	1,199	1,173	967	901	984	1,192	1,098	1,011	1,106	1,145	1,290	13,389	13,379
	2014	1,326	1,202	1,176	969	903	986	1,195	1,100	1,014	1,109	1,148	1,294	13,421	13,413
	2015	1,329	1,205	1,179	971	905	988	1,197	1,103	1,016	1,111	1,150	1,296	13,451	13,444
	2016	1,332	1,207	1,181	973	907	990	1,200	1,105	1,018	1,113	1,152	1,299	13,479	13,472
	2017	1,335	1,210	1,184	975	909	992	1,203	1,108	1,020	1,116	1,155	1,302	13,509	13,501
	2018	1,337	1,212	1,186	977	911	994	1,205	1,109	1,022	1,118	1,157	1,304	13,532	13,526
ed	2019	1,339	1,213	1,187	978	912	995	1,206	1,111	1,023	1,119	1,158	1,306	13,548	13,544
Projected	2020	1,340	1,215	1,189	979	913	997	1,207	1,112	1,024	1,121	1,160	1,307	13,564	13,559
ē	2021	1,342	1,216	1,190	980	914	998	1,209	1,113	1,025	1,122	1,161	1,308	13,577	13,573
ď.	2022	1,343	1,217	1,191	981	915	999	1,210	1,114	1,026	1,123	1,162	1,310	13,593	13,589
	2023	1,345	1,219	1,193	983	916	1,000	1,212	1,116	1,028	1,124	1,164	1,312	13,610	13,606
	2024	1,346	1,220	1,194	984	917	1,001	1,213	1,117	1,029	1,125	1,165	1,313	13,624	13,620
	2025	1,348	1,221	1,195	985	918	1,002	1,214	1,118	1,030	1,127	1,166	1,314	13,638	13,634

Monthly Energy Allocation Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ī	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ĕ	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	9.8%	9.5%	8.8%	7.3%	6.5%	7.4%	9.0%	8.3%	7.3%	8.1%	8.6%	9.4%	100.0%
至	2002	9.1%	8.3%	8.9%	7.4%	6.7%	7.1%	9.6%	8.3%	8.1%	8.9%	8.6%	9.0%	100.0%
	2003	10.2%	9.6%	8.9%	7.3%	6.5%	6.9%	8.4%	8.9%	7.7%	8.4%	8.1%	9.2%	100.0%
	2004	10.0%	9.1%	8.6%	7.4%	7.3%	7.5%	8.8%	7.7%	7.5%	7.8%	8.0%	10.3%	100.0%
	2005	10.4%	8.3%	8.6%	6.7%	6.7%	7.7%	8.7%	7.8%	7.1%	8.2%	9.4%	10.4%	100.0%
	2006	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
	2007	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
	2008	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
꿒	2009	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
rojected	2010	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
Ö	2011	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
₫.	2012	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
	2013	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
	2014	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
	2015	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%
ģ	1996-2005	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ŕ	2006-2015	9.9%	9.0%	8.8%	7.2%	6.7%	7.3%	8.9%	8.2%	7.6%	8.3%	8.6%	9.6%	100.0%

Fairfax
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec_	Wntr Pk	Sumr Pk #N/A
	1996	#N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A								
	1997	#N/A	#N/A	#N/A	#N/A	#N/A #N/A	#N/A	#N/A	#N/A						
_	1998 1999	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A	#N/A	#N/A #N/A	#N/A	#N/A	#N/A	#N/A	#N/A
<u>.g</u>	2000	#N/A #N/A	#N/A #N/A	#N/A #N/A	#N/A										
Historical	2001	2.3	2,5	2.1	1.8	1,9	2.4	2.7	2.8	2.2	2.2	2.5	2.3	#N/A	2.8
¥	2007	2.4	2.4	2.2	2.2	2.0	2.5	2.8	2.5	2.6	2.2	2.3	2.5	2.5	2.8
-	2002	2.8	2.7	2.5	2.2	1.9	2.5	2.7	2.8	2.2	2.2	2,3	2.4	2.8	2.8
	2004	1.7	1.7	1.5	1.3	1.5	1.8	1.8	1.8	1.7	1.4	1.6	1.7	2.4	1.8
	2005	2.6	2.2	2.1	1.7	1.8	2.4	2.4	2.4	2.1	1.9	2.5	2.4	2.6	2.4
	2006	2.8	2.6	2.0	1,9	2.1	2.5	2.8	2.7	2.3	2.2	2.4	2.4	2.8	2.8
	2007	2.8	2.6	2.1	1.9	2.1	2.5	2.8	2.7	2.4	2.2	2.4	2,4	2.8	2.8
	2008	2.8	2.6	2.1	1.9	2.1	2.6	2.8	2.7	2.4	2.2	2.4	2.4	2.8	2.8
70	2009	2.8	2.6	2.1	1.9	2.1	2.6	2.8	2.7	2.4	2.2	2.4	2.4	2.8	2.8
Projected	2010	2.8	2.7	2.1	1.9	2.1	2.6	2.8	2.7	2.4	2.2	2.4	2.4	2.8	2.8
	2011	2.8	2.7	2.1	2.0	2.1	2.6	2.8	2.7	2.4	2.2	2.4	2.4	2.8	2.8
ď.	2012	2.9	2.7	2.1	2.0	2.1	2.6	2.8	2.7	2.4	2.3	2.4	2.4	2.9	2.8
	2013	2.9	2.7	2.1	2.0	2.1	2.6	2.8	2.7	2.4	2.3	2.4	2.4	2.9	2.8
	2014	2.9	2.7	2.1	2.0	2.1	2.6	2.8	2.7	2.4	2.3	2.4	2.4	2.9	2.8
	2015	2.9	2.7	2.1	2.0	2.1	2.6	2.8	2.7	2.4	2.3	2.4	2.4	2.9	2.8
	2016	2.9	2.7	2.1	2.0	2.1	2.6	2.8	2.7	2.4	2.3	2.5	2.5	2.9	2.8
	2017	2.9	2.7	2.1	2.0	2.1	2.6	2.9	2.8	2.4	2.3	2.5	2.5	2.9	2.9
	2018	2.9	2.7	2.1	2.0	2.1	2.6	2.9	2.8	2.4	2.3	2.5	2.5	2.9	2.9
B	2019	2.9	2.7	2.1	2.0	2.1	2.6	2.9	2.8	2.4	2.3	2.5	2.5	2.9	2.9
Projected	2020	2.9	2.7	2.1	2.0	2.1	2.6	2.9	2.8	2.4	2.3	2.5	2.5	2.9	2.9
Ē	2021	2.9	2.7	2.1	2.0	2.1	2.6	2.9	2.8	2.4	2.3	2.5	2.5	2.9	2.9
•	2022	2.9	2.7	2.1	2.0	2.1	2.6	2.9	2.8	2.4	2.3	2.5	2.5	2.9	2.9
	2023	2.9	2.7	2.1	2.0	2.1	2.6 2.6	2.9	2.8	2.4	. 2.3	2.5	2.5	2.9	2.9
	2024 2025	2.9 2.9	2.7 2.7	2.1 2.1	2.0 2.0	2.1	2.6	2.9 2.9	2.8 2.8	2.4 2.5	2.3 2.3	2.5 2.5	2.5 2.5	2.9 2.9	2.9 2.9
	2025	2.9	Z.1	2.1	2.0	2.1	2.0	2.9	2.0	2,3	2.3	2.5	2.5	2.5	2.9

Monthly Load Factors

	Vane	Inn	Feb	Mar	An-	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Watr Pk	Sumr Pk
	1996	Jan	Len	TRIGI	Арг	reto y	Juit	Jui	VAA	Зер	001	1404	Dec	TYTHE F K	Julii FK
	1997														
	1998														
=	1999														
ij	2000														
Historical	2001	68.7%	68.9%	68.0%	67.1%	56.5%	51.2%	53.6%	47.9%	56.8%	60.2%	58.5%	67.8%		48.8%
Ξ̈́	2002	64.3%	64.5%	68.3%	58.2%	56.1%	51.2%	57.8%	57.8%	54.5%	69.0%	65,2%	62.5%	58.2%	51.1%
	2003	62.8%	67.8%	61.4%	58.2%	59.5%	49.2%	53.9%	53.5%	60.8%	63.9%	62.8%	65.9%	52.5%	51.2%
	2004	99.0%	96.6%	95.2%	98.3%	81.5%	73.3%	82.6%	72.7%	77.6%	93,9%	87.7%	101.9%	59.8%	80.1%
	2005	70.4%	73.3%	70.5%	70.2%	66.0%	58.3%	64.2%	56.8%	60.9%	74.2%	69.3%	74.7%	57.4%	62.0%
	2006	62.2%	66.7%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.2%	71.1%	53.4%	54.1%
	2007	62.2%	66.7%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.0%	70.9%	53.4%	54.1%
	2008	62,2%	64.4%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.1%	71.0%	53.4%	54.1%
2	2009	62.2%	66.7%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65,1%	71.0%	53.4%	54.1%
Projected	2010	62.2%	66.7%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.1%	71.0%	53.4%	54.1%
ਰੁੱ	2011	62.2%	66.7%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.1%	71.0%	53.4%	54.1%
ď.	2012	62.2%	64.4%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.2%	71.1%	53.4%	54.1%
	2013	62.2%	66.7%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.2%	71.1%	53.4%	54.1%
	2014	62.2%	66.7%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.2%	71.1%	53.4%	54.1%
	2015	62.2%	66.7%	75,2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.2%	71.1%	53.4%	54.1%
ġ	1996-2005	73.0%	74.2%	72.7%	70.4%	63.9%	56.6%	62.4%	57.7%	62.1%	72.2%	68.7%	74.6%	57.0%	58.6%
Æ	2006-2015	62.2%	66.2%	75.2%	68.4%	57.5%	52.6%	56.7%	54.1%	58.4%	65.8%	65.1%	71.1%	53.4%	54.1%

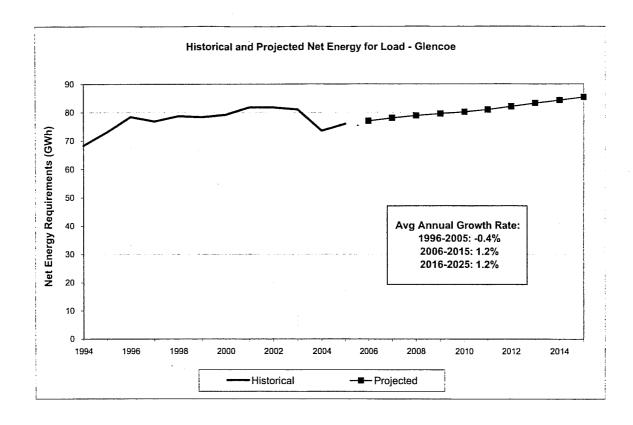
Fairfax Monthly Coincident-Peak Demand (MW)

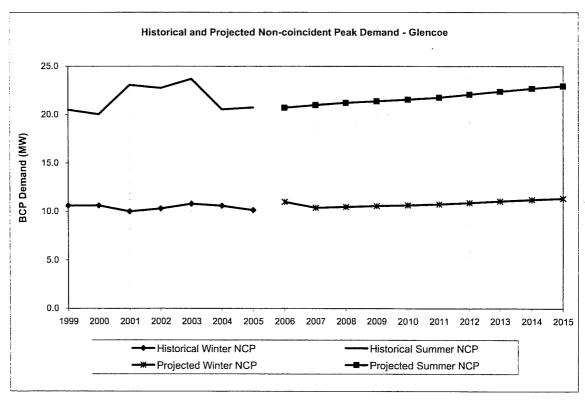
The Arms La

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	2.7	2.5	1.9	1.8	2.0	2.4	2.6	2,6	2.3	2.0	2.3	2.3	2.7	2.6
	2007	2.7	2.5	1.9	1.8	2.0	2.4	2.6	2.6	2.3	2.1	2.3	2.3	2.7	2.6
	2008	2.7	2.5	2.0	1.8	2,0	2.4	2.6	2.6	2.3	2.1	2.3	2.3	2.7	2.6
p	2009	2.7	2.5	2.0	1.8	.2.0	2.4	2.6	2.6	2.3	2.1	2.3	2.3	2,7	2.6
rojected	2010	2.7	2.5	2.0	1.9	2.0	2.4	2.6	2.6	2.3	2.1	2.3	2.3	2.7	2.6
ė,	2011	2.7	2.5	2.0	1.9	2.0	2.4	2.6	2.6	2.3	2.1	2.3	2.3	2.7	2.6
ď.	2012	2.7	2.5	2.0	1.9	2.0	2.4	2.7	2,6	2.3	2.1	2.3	2.4	2.7	2.7
	2013	2.7	2.5	2.0	1.9	2.0	2.4	2.7	2.6	2,3	2.1	2.3	2.4	2.7	2.7
	2014	2.7	2.5	2.0	1.9	2.0	2.4	2.7	2.6	2.3	2.1	2.3	2.4	2.7	2.7
	2015	2.7	2.5	2.0	1.9	2.0	2.4	2.7	2.6	2.3	2.1	2.4	2.4	2.7	2.7
	2016	2.7	2.5	2.0	1,9	2.0	2.4	2.7	2.6	2,3	2.1	2.4	2,4	2.7	2.7
	2017	2.8	2.5	2.0	1.9	2.0	2.4	2.7	2.6	2.3	2.1	2.4	2.4	2.8	2.7
	2018	2.8	2.6	2.0	1.9	2.0	2.5	2.7	2.7	2.3	2.1	2.4	2.4	2.8	2.7
cted	2019	2.8	2.6	2.0	1.9	2.1	2.5	2.7	2.7	2.3	2.1	2.4	2.4	2.8	2.7
ក្ត	2020	2.8	2.6	2.0	1.9	2.1	2.5	2.7	2.7	2.3	2.1	2.4	2.4	2.8	2.7
Proje	2021	2.8	2.6	2.0	1.9	2.1	2.5	2.7	2.7	2.4	2.1	2.4	2.4	2.8	2.7
ď	2022	2.8	2.6	2.0	1.9	2.1	2.5	2.7	2.7	2.4	2.1	2.4	2.4	2.8	2.7
	2023	2.8	2.6	2.0	1.9	2.1	2.5	2.7	2.7	2.4	2.1	2.4	2.4	2.8	2.7
	2024	2.B	2.6	2.0	1.9	2.1	2.5	2.7	2.7	2.4	2.1	2.4	2.4	2.8	2.7
	2025	2.8	2.6	2.0	1.9	2.1	2.5	2.7	2.7	2.4	2.1	2.4	2.4	2.8	2.7

Monthly Coincidence Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%
	2007	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%
	2008	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%
ojected	2009	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%
	2010	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	.93.0%	96.1%	96.8%	95.4%	94.2%
	2011	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93,0%	96.1%	%8.89	95.4%	94.2%
ď	2012	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%
	2013	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%
	2014	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%
	2015	95.4%	94.4%	94.8%	95.4%	96.3%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%
	2006-2015	95.4%	94.4%	94.8%	95.4%	94.4%	93.4%	94.2%	96.3%	96.4%	93.0%	96.1%	96.8%	95.4%	94.2%





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Glencoe
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requireme	ents (CY)			Non-	Coinciden	it Peak Dem	and		Co	incident Pe	eak Demand	!
		Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff,	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	78,461	•	77,720	•	-0.9%	10.1	•	88.3%	20.2	•	44.4%	#N/A		#N/A	
	1997	76,879	-2.0%	77,395	-0.4%	0.7%	10.6	4.5%	82.8%	19.3	-4.4%	45.5%	#N/A	#N/A	#N/A	#N/A
	1998	78,725	2.4%	81,454	5.2%	3.5%	10.6	0.0%	84.8%	20.9	8.3%	43.0%	#N/A	#N/A	#N/A	#N/A
ā	1999	78,364	-0.5%	80,324	-1.4%	2.5%	10.6	0.0%	84,4%	20.5	-1.9%	43.6%	#N/A	#N/A	#N/A	#N/A
Historical	2000	79,143	1.0%	80,246	-0.1%	1.4%	10.6	0.1%	85.1%	20.0	-2.3%	45.1%	#N/A	#N/A	#N/A	#N/A
istc	2001	81,751	3.3%	81,613	1.7%	-0.2%	10.0	-5.8%	93.3%	23.1	15.1%	40.5%	#N/A	#N/A	#N/A	#N/A
I	2002	81,781	0.0%	80,353	-1.5%	-1.7%	10.3	3.0%	90.7%	22.7	-1.4%	41.1%	#N/A	#N/A	#N/A	#N/A
	2003	81,066	-0.9%	80,371	0.0%	-0.9%	10.8	4.8%	85.7%	23.7	4.2%	39.1%	#N/A	#N/A	#N/A	#N/A
	2004	73,561	-9.3%	75,926	-5.5%	3.2%	10.6	-1.9%	79.3%	20.5	-13.3%	40.9%	#N/A	#N/A	#N/A	#N/A
,	2005	75,995	3.3%	75,555	-0.5%	-0.6%	10.1	-4.3%	85.6%	20,7	1.0%	41.8%	#N/A	#N/A	#N/A	#N/A
	2006	77,016	1.3%	77,016	1.9%		. 11.0	8.3%	80.1%	20.7	-0.2%	42.5%	9.8	#N/A	20.1	#N/A
	2007	78,047	1.3%	78,047	1.3%		10.4	-5.6%	85.9%	21.0	1.3%	42.5%	9.9	1.3%	20.4	1.3%
	2008	78,863	1.0%	78,863	1.0%		10.5	1.0%	85.9%	21.2	1.0%	42.5%	10.0	1.0%	20.6	1.0%
	2009	79,523	0.8%	79,523	0.8%		10.6	0.8%	85.9%	21.4	0.8%	42.5%	10.1	0.8%	20.7	0.8%
	2010	80,154	0.8%	80,154	0.8%		10.6	0.8%	85.9%	21.6	0.8%	42.5%	10.2	0.8%	20.9	0.8%
	2011	80,944	1.0%	80,944	1.0%		10.8	1.0%	85.9%	21.8	1.0%	42.5%	10.3	1.0%	21.1	1.0%
	2012	82,081	1.4%	82,081	1.4%		10.9	1.4%	85.9%	22.1	1.4%	42.5%	10.4	1,4%	21.4	1.4%
	2013	83,230	1.4%	83,230	1.4%		11,1	1.4%	85.9%	22.4	1.4%	42.5%	10.6	1.4%	21.7	1.4%
eq	2014	84,361	1.4%	84,361	1.4%		11.2	1.4%	85.9%	22.7	1.4%	42.5%	10.7	1.4%	22.0	1.4%
Projected	2015	85,404	1.2%	85,404	1.2%		11.3	1.2%	85.9%	23.0	1.2%	42.5%	10.8	1.2%	22.3	1.2%
ō	2016	86,439	1.2%	86,439	1.2%		11.5	1.2%	85.9%	23.2	1.2%	42.5%	11.0	1.2%	22.5	1.2%
Δ.	2017	87,426	1.1%	87,426	1.1%		11.6	1.1%	85.9%	23.5	1.1%	42.5%	11.1	1.1%	22.8	1.1%
	2018	88,405	1.1%	88,405	1.1%		11.7	1.1%	85.9%	23.8	1.1%	42.5%	11.2	1.1%	23.1	1.1%
	2019	89,425	1.2%	89,425	1.2%		11.9	1.2%	85.9%	24.0	1.2%	42.5%	11.4	1.2%	23.3	1.2%
	2020	90,456	1.2%	90,456	1.2%		12.0	1.2%	85.9%	24.3	1,2%	42.5%	11.5	1.2%	23.6	1.2%
	2021	91,519	1.2%	91,519	1.2%		12.2	1.2%	85.9%	24,6	1.2%	42.5%	11.6	1.2%	23.9	1.2%
	2022	92,614	1.2%	92,614	1.2%		12.3	1.2%	85.9%	24.9	1.2%	42.5%	11.8	1.2%	24.2	1.2%
	2023	93,701	1.2%	93,701	1.2%		12.4	1.2%	85.9%	25.2	1.2%	42.5%	11.9	1.2%	24.4	1.2%
	2024	94,779	1.2%	94,779	1.2%		12.6	1.2%	85.9%	25.5	1.2%	42.5%	12.0	1.2%	24.7	1.2%
	2025	95,848	1.1%	95,848	1.1%		12.7	1.1%	85.9%	25.8	. 1.1%	42.5%	12.2	1.1%	25.0	1.1%
ά	Thru 2005		-0.4%		-0.3%			0.0%	86.0%		0.3%	42.5%		#N/A		#N/A
AAGR	2006-2015		1.2%		1.2%			0.4%	85.3%		1.2%	42.5%		1.2%		1.2%
∢	2016-2025		1.2%		1.2%			1.2%	85.9%		1.2%	42.5%		1.2%		1.2%

Glencoe Monthly Net Energy Requirements (MWh)

	Year	Jan	Feb	Маг	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
-	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
-	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
근	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Historical	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Ť	2002	5,812	5,189	5,692	5,309	5,335	7,115	9,327	11,077	10,154	5,450	5,411	5,909	81,781	#N/A
	2003	6,038	5,385	5,564	5,140	5,276	6,882	9,664	11,662	8,873	5,778	5,124	5,681	81,066	81,253
	2004	5,857	5,276	5,442	5,066	5,104	5,809	7,787	7,846	9,071	5,849	4,940	5,513	73,561	73,841
	2005	5,603	4,819	5,150	4,692	4,839	6,596	8,227	10,519	9,765	5,062	5,016	5,705	75,995	76,514
	2006	5,755	5,103	5,391	4,986	5,071	6,501	8,614	10,097	9,346	5,469	5,055	5,629	77,016	76,647
	2007	5,832	5,171	5,463	5,052	5,139	6,588	8,729	10,232	9,472	5,542	5,122	5,704	78,047	77,831
	2008	5,893	5,225	5,520	5,105	5,193	6,657	8,820	10,339	9,571	5,600	5,176	5,764	78,863	78,692
Ţ.	2009	5,943	5,269	5,566	5,148	5,236	6,713	8,894	10,425	9,651	5,647	5,219	5,812	79,523	79,385
Projected	2010	5,990	5,311	5,611	5,189	5,278	6,766	8,965	10,508	9,727	5,692	5,261	5,858	80,154	80,022
ë	2011	6,049	5,363	5,666	5,240	5,330	6,833	9,053	10,611	9,823	5,748	5,313	5,916	80,944	80,778
č	2012	6,134	5,438	5,745	5,313	5,405	6,929	9,180	10,761	9,961	5,829	5,387	5,999	82,081	81,842
	2013	6,220	5,514	5,826	5,388	5,480	7,026	9,309	10,911	10,100	5,910	5,463	6,083	83,230	82,989
	2014	6,304	5,589	5,905	5,461	5,555	7,121	9,435	11,059	10,238	5,990	5,537	6,166	84,361	84,123
	2015	6,382	5,659	5,978	5,529	5,624	7,209	9,552	11,196	10,364	6,065	5,605	6,242	85,404	85,185
•	2016	6,460	5,727	6,050	5,596	5,692	7,296	9,668	11,332	10,490	6,138	5,673	6,318	86,439	86,222
	2017	6,533	5,792	6,120	5,659	5,757	7,380	9,778	11,461	10,610	6,208	5,738	6,390	87,426	87,219
	2018	6,606	5,857	6,188	5,723	5,821	7,462	9,888	11,590	10,729	6,278	5,802	6,461	88,405	88,200
7	2019	6,683	5,925	6,259	5,789	5,888	7,548	10,002	11,723	10,852	6,350	5,869	6,536	89,425	89,211
Projected	2020	6,760	5,993	6,332	5,856	5,956	7,636	10,117	11,859	10,977	6,423	5,937	6,611	90,456	90,240
ë	2021	6,839	6,064	6,406	5,924	6,026	7.725	10,236	11,998	11,106	6,499	6,007	6,689	91,519	91,296
ď.	2022	6,921	6,136	6,483	5,995	6,098	7,818	10,358	12,141	11,239	6,577	6,078	6,769	92,614	92,385
	2023	7,002	6,208	6,559	6,066	6,170	7,909	10,480	12,284	11,371	6,654	6,150	6,848	93,701	93,473
	2024	7,083	6,280	6,634	6,135	6,241	8,000	10,600	12,425	11,502	6,730	6,221	6,927	94,779	94,553
	2025	7,163	6,350	6,709	6,205	6,311	8,091	10,720	12,565	11,632	6,806	6,291	7,005	95,848	95,624

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
ē	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
5	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
storic	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Ť	2002	7.1%	6.3%	7.0%	6.5%	6.5%	8.7%	11.4%	13.5%	12.4%	6.7%	6.6%	7.2%	100.0%
	2003	7.4%	6.6%	6.9%	6.3%	6.5%	8.5%	11.9%	14.4%	10.9%	7.1%	6.3%	7.0%	100.0%
	2004	8.0%	7.2%	7.4%	6.9%	6.9%	7.9%	10.6%	10.7%	12.3%	8.0%	6.7%	7.5%	100.0%
	2005	7.4%	6.3%	6.8%	6.2%	6.4%	8.7%	10.8%	13.8%	12.8%	6.7%	6.6%	7.5%	100.0%
	2006	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
	2007	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
	2008	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
70	2009	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
ŧ	2010	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
Projected	2011	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
ę.	2012	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
	2013	7.5%	6.6%	7.0%	6,5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
	2014	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
	2015	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%
Ġ	1996-2005	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
₹	2006-2015	7.5%	6.6%	7.0%	6.5%	6.6%	8.4%	11.2%	13.1%	12.1%	7.1%	6.6%	7.3%	100.0%

Glencoe Monthly Non-Coincident Peak Demand (MW)

													12.47		
	Year	Jan	Feb	Mar	Apr _	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
19	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ę	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	#N/A	#N/A	#N/A	#N/A	#N/A	15.8	20.2	23.1	19.5	9.7	10.2	10.3	#N/A	#N/A
Ŧ	2002	10.1	9.8	9.8	10.5	11,4	18.7	22.7	20.8	22.3	9.9	10.3	10.8	10.3	22.7
	2003	10.4	10.3	10.0	9.8	10.1	17.3	19.6	23.7	20.2	13.8	9.8	10.6	10.8	23.7
	2004	10.5	10.1	9.5	9.4	9.6	14.3	20.5	17.9	19.8	14.7	9.6	10.1	10.6	20.5
	2005	10.1	9.9	9.0	8.8	8.8	16.2	18.2	20.7	19.3	10.7	9.8	11.0_	10.1	20.7
	2006	10.1	9.9	9.4	8.9	9.2	15.8	20.7	19.3	18.1	11.9	9.8	10.4	11,0	20.7
	2007	10.2	10.0	9.5	9.1	9.4	16.0	21.0	19.6	18.3	12.0	9.9	10.5	10.4	21.0
	2008	10.3	10.1	9.6	9.2	9.5	16.2	21.2	19.8	18.5	12.2	10.0	10.6	10.5	21.2
ę	2009	10.4	10.2	9.7	9.2	9.5	16.3	21.4	19.9	18.7	12.3	10.0	10.6	10.6	21.4
Projected	2010	10.5	10.3	9.8	9.3	9.6	16.4	21.6	20.1	18.8	12.4	10.1	10.8	10.6	21.6
ē	2011	10.6	10.4	9.9	9.4	9.7	16.6	21,8	20.3	19.0	12.5	10.3	10.9	10.8	21.8
ď	2012	10.7	10.5	10.0	9.5	9.8	16.8	22.1	20.6	19.3	12.6	10.4	11.1	10.9	22.1
	2013	10.9	10.7	10.1	9.7	10.0	17.1	22.4	20.9	19.5	12.8	10.6	11.2	11.1	22.4
	2014	11.0	10.8	10.3	9.8	10.1	17.3	22.7	21.2	19.8	13.0	10.7	11.3	11.2	22.7
	2015	11.2	11.0	10.4	9.9	10.2	17.5	23.0	21.4	20.0	13.2	10.8	11.5	11.3	23.0
	2016	11.3	11.1	10.5	10.0	10.4	17.7	23.2	21.7	20.3	13.3	11.0	11.6	11.5	23.2
	2017	11.4	11.2	10.6	10.1	10.5	17.9	23.5	21.9	20.5	13.5	11.1	11.7	11.6	23.5
	2018	11.6	11.3	10.8	10.3	10.6	18.1	23.8	22.2	20.7	13.6	11.2	11.9	11.7	23.8
Ğ	2019	11.7	11.5	10.9	10.4	10.7	18.3	24.0	22.4	21.0	13.8	11.3	12.0	11.9	24.0
Projected	2020	11.8	11.6	11.0	10.5	10.8	18.6	24.3	22.7	21.2	13.9	11.5	12.2	12.0	24.3
충	2021	12.0	11.7	11.1	10.6	11.0	18.8	24.6	22.9	21.5	14.1	11.6	12.3	12.2	24.6
ō.	2022	12.1	11.9	11.3	10.7	11.1	19.0	24.9	23.2	21,7	14.3	11.7	12.4	12.3	24.9
	2023	12.3	12.0	11.4	10.9	11.2	19.2	25.2	23.5	22.0	14.4	11.9	12.6	12.4	25.2
	2024	12,4	12.2	11.5	11.0	11.4	19.4	25.5	23.8	22.2	14.6	12.0	12.7	12.6	25.5
	2025	12.5	12.3	11.7	11.1	11.5	19.7	25.8	24.0	22.5	14.8	12.2	12.9	12.7	25.8

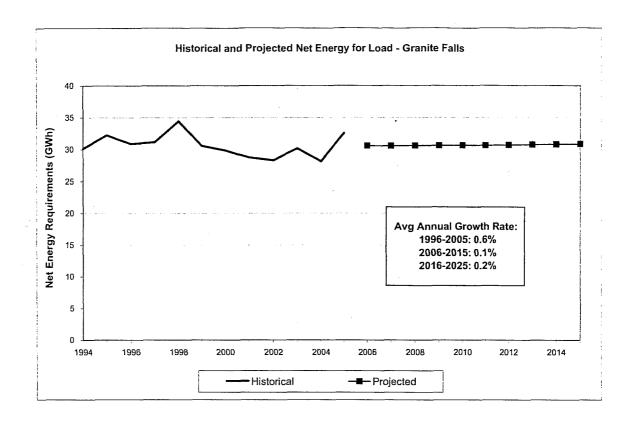
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
Ē	1999														
٠Ĕ	2000														
Historical	2001														
Ŧ	2002	77.0%	78.7%	78.3%	70.0%	63.0%	52.8%	55.1%	71.6%	63.2%	73.9%	73.1%	73.6%	90.7%	41.1%
	2003	77.7%	77.7%	74.5%	73.1%	70.4%	55.3%	66.4%	66.2%	61.0%	56.3%	72.9%	72.1%	85.7%	39.1%
	2004	75.2%	75.2%	76.9%	75.1%	71.1%	56.5%	51.0%	58.8%	63.6%	53.4%	71.5%	73.1%	79.3%	40.9%
	2005	74.9%	72.8%	76.7%	73.9%	74.2%	56. <u>4%</u>	60.9%	68.2%	70.1%	63.8%	71.3%	69.8%	85.6%	41.8%
	2006	76.8%	76.8%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	71.7%	73.0%	80.1%	42.5%
	2007	76.8%	76.8%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	72.0%	73.2%	85.9%	42.5%
	2008	76.8%	74.2%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	72.1%	73.3%	85.9%	42.5%
5	2009	76.8%	76.8%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	72.1%	73.4%	85.9%	42.5%
Projected	2010	76.8%	76.8%	77.3%	77.5%	73.8%	57,1%	55.9%	70.3%	71.9%	61.9%	72.0%	73.2%	85.9%	42.5%
ē	2011	76.8%	76.8%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	71.7%	72.9%	85.9%	42.5%
ō.	2012	76.8%	74.2%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	71.7%	72.9%	85.9%	42.5%
	2013	76.8%	76.8%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	71.7%	73.0%	85.9%	42.5%
	2014	76.8%	76.8%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	71.8%	73.0%	85.9%	42.5%
	2015	76.8%	76.8%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	71.8%	73.1%	85.9%	42.5%
ġ	1996-2005	76.2%	76.1%	76.6%	73.0%	69.7%	55.3%	58.3%	66.2%	64.5%	61.8%	72.2%	72.2%	85.3%	40.7%
Ř	2006-2015	76.8%	76.3%	77.3%	77.5%	73.8%	57.1%	55.9%	70.3%	71.9%	61.9%	71.9%	73.1%	85.3%	42.5%

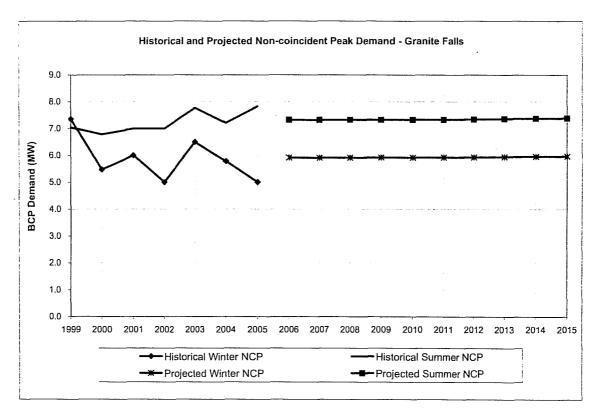
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Glencoe Monthly Coincident-Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	9.8	9.6	9.0	8.7	9.0	15.7	20,1	19.0	18.0	11.2	9.5	10.2	9.8	20.1
	2007	9.9	9.7	9.2	8.8	9.1	15.9	20.4	19.2	18.2	11.3	9.6	10.3	9.9	20.4
	2008	10.0	9.8	9.3	8.9	9.2	16.0	20.6	19.4	18.4	11.4	9.7	10.4	10.0	20.6
Ţ.	2009	10.1	9.9	9.3	9.0	9.3	16.2	20.7	19.6	18.6	11.5	9.8	10.5	10.1	20.7
Projected	2010	10.2	10.0	9.4	9.1	9.4	16.3	20.9	19.7	18.7	11.6	9.9	10.6	10.2	20.9
흠	2011	10.3	10.1	9.5	9.2	9.5	16.5	21.1	19.9	18.9	11.7	10.0	10.7	10.3	21.1
ď.	2012	10.4	10.2	9.6	9.3	9.6	16.7	21.4	20.2	19.2	11.9	10.1	10.9	10.4	21.4
	2013	10.6	10.4	9.8	9.4	9.7	16.9	21.7	20.5	19.4	12.1	10.3	11.0	10.6	21.7
	2014	10.7	10.5	9.9	9.5	9.9	17.2	22.0	20.8	19.7	12.2	10.4	11.2	10.7	22.0
	2015	10.8	10.6	10.0	9.7	10.0	17.4	22.3	21.0	20.0	12.4	10.5	11.3	10.8	22,3
	2016	11.0	10.8	10.1	9.8	10.1	17.6	22.5	21.3	20.2	12,5	10.6	11.4	11.0	22.5
	2017	11.1	10.9	10.3	9.9	10.2	17.8	22.8	21.5	20.4	12.7	10.8	11.6	11.1	22,8
	2018	11.2	11.0	10.4	10.0	10.4	18.0	23.1	21.8	20.7	12.8	10.9	11.7	11.2	23.1
Ţ.	2019	11.4	11.1	10.5	10.1	10.5	18.2	23,3	22.0	20.9	13,0	11.0	11.8	11.4	23.3
븅	2020	11.5	11.3	10.6	10.2	10.6	18.4	23.6	22.3	21.1	13.1	11.1	12.0	11.5	23.6
Projected	2021	11.6	11.4	10.7	10.4	10.7	18.6	23.9	22.5	21.4	13.3	11.3	12.1	11.6	23.9
Ĕ	2022	11.8	11.5	10.9	10.5	10.8	18.8	24.2	22.8	21.6	13.4	11.4	12.2	11.8	24.2
	2023	11.9	11.7	11.0	10.6	11.0	19.1	24.4	23.1	21.9	13.6	11.5	12.4	11.9	24.4
	2024	12.0	11.8	11.1	10.7	11.1	19.3	24.7	23.3	22.1	13.7	11.7	12.5	12.0	24.7
	2025	12.2	11.9	11.2	10.8	11.2	19.5	25.0	23.6	22.4	13.9	11.8	12.7	12.2	25.0
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	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	89.1%	97.0%
	2007	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
	2008	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
0	2009	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
访	2010	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
픙	2011	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
ď	2012	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
	2013	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
	2014	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
	2015	97.1%	97.0%	96.4%	97.5%	97.7%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	95.6%	97.0%
	2006-2015	97.1%	97.0%	96.4%	97.5%	97.0%	99.1%	97.0%	98.1%	99.6%	94.0%	97.1%	98.4%	94.9%	97.0%





Granite Falls
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requireme	ents (CY)			Non-	Coincider	ıt Peak Dem	and		Co	incident Pe	ak Demand	l
	•	Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
•	1996	30,883	-	30,814	-	-0.2%	5.7	•	61.9%	6.4	•	55.3%	#N/A	-	#N/A	
	1997	31,169	0.9%	31,370	1.8%	0.6%	5.6	-2.0%	63.7%	6.8	6.2%	52.6%	#N/A	#N/A	#N/A	
	1998	34,448	10.5%	35,038	11.7%	1.7%	7.4	31.8%	53.4%	7.8	14.7%	50.7%	#N/A	#N/A	#N/A	
ā	1999	30,582	-11.2%	30,937	-11.7%	1.2%	7.4	0.0%	47.4%	7.0	-9.3%	49.6%	#N/A	#N/A	#N/A	#N/A
:E	2000	29,868	-2.3%	30,092	-2.7%	0.8%	5.5	-25.7%	62.3%	6.8	-3.6%	50.3%	#N/A	#N/A	#N/A	#N/A
Historical	2001	28,741	-3.8%	28,518	-5.2%	-0,8%	6.0	9.6%	54.7%	7.0	3.2%	46.9%	#N/A	#N/A	#N/A	#N/A
Ï	2002	28,294	-1.6%	27,774	-2.6%	-1.8%	5.0	-16.7%	64.6%	7.0	0.0%	46.1%	#N/A	#N/A	#N/A	#N/A
	2003	30,162	6.6%	29,854	7.5%	-1.0%	6.5	30.0%	53.0%	7.8	11.0%	44.3%	#N/A	#N/A	#N/A	#N/A
	2004	.28,107	-6.8%	28,708	-3.8%	2.1%	5.8	-11.1%	55.5%	7.2	-7.2%	44.5%	#N/A	#N/A	#N/A	#N/A
	2005	32,560	15.8%	32,156	12.0%	-1.2%	5.0	-13.5%	74.3%	7.8	8.6%	47.5%	#N/A	#N/A	#N/A	
	2006	30,579	-6.1%	30,579	-4.9%		5.9	18,3%	59.0%	7.3	-6.5%	47.7%	5.8	#N/A	7.0	#N/A
	2007	30,560	-0.1%	30,560	-0.1%		5.9	-0.1%	59.0%	7.3	-0.1%	47.7%	5.7	-0.1%	7.0	-0.1%
	2008	30,597	0,1%	30,597	0.1%		. 5.9	0.1%	59.0%	7.3	0.1%	47.7%	5.8	0.1%	7.0	0.1%
	2009	30,601	0.0%	30,601	0.0%	·	5.9	0.0%	59.0%	7.3	0.0%	47.7%	5.8	0.0%	7.0	0.0%
	2010	30,624	0.1%	30,624	0.1%		5.9	0.1%	59.0%	7.3	0.1%	47.7%	5.8	0.1%	7.0	0.1%
	2011	30,628	0.0%	30,628	0.0%		5.9	0.0%	59.0%	7.3	0.0%	47.7%	5.8	0.0%	7,0	0.0%
	2012	30,674	0.1%	30,674	0.1%		5.9	0.1%	59.0%	7.3	0.1%	47.7%	5.8	0.1%	7.0	0.1%
	2013	30,741	0.2%	30,741	0.2%		5.9	0.2%	59.0%	7.4	0.2%	47.7%	5.8	0.2%	7.0	0.2%
2	2014	30,804	0.2%	30,804	0.2%		6.0	0.2%	59.0%	7.4	0.2%	47.7%	5.8	0.2%	7.0	0.2%
Projected	2015	30,849	0.1%	30,849	0.1%		. 6.0	0.1%	59.0%	7.4	0.1%	47.7%	5.8	0.1%	7,1	0.1%
Ġ	2016	30,893	0.1%	30,893	0.1%		6.0	0.1%	59.0%	7.4	0.1%	47.7%	5.8	0.1%	7.1	0.1%
ā	2017	30,938	0.1%	30,938	0.1%		6.0	0.1%	59.0%	7.4	0.1%	47.7%	5.8	0.1%	7.1	0.1%
	2018	30,987	0.2%	30,987	0.2%		6.0	0.2%	59.0%	7.4	0.2%	47.7%	5.8	0.2%	7.1	0.2%
	2019	31,044	0.2%	31,044	0.2%		6.0	0.2%	59.0%	7.4	0.2%	47.7%	5.8	0.2%	7.1	0.2%
	2020	31,110	0.2%	31,110	0.2%		6.0	0.2%	59.0%	7.4	0,2%	47.7%	5.9	0.2%	7.1	0.2%
	2021	31,181	0.2%	31,181	0.2%		6.0	0.2%	59.0%	7.5	0.2%	47.7%	5.9	0.2%	7.1	0.2%
	2022	31,255	0.2%	31,255	0.2%		6.0	0.2%	59.0%	7.5	0.2%	47.7%	5.9	0.2%	7.2	0.2%
	2023	31,333	0.3%	31,333	0.3%		6.1	0.3%	59.0%	7.5	0.3%	47.7%	5.9	0.3%	7.2	0.3%
	2024	31,411	0.2%	31,411	0.2%		6.1	0.2%	59.0%	7.5	0.2%	47.7%	5.9	0.2%	7.2	0.2%
	2025	31,493	0.3%	31,493	0.3%		6.1	0.3%	59.0%	7.5	0.3%	47.7%	5.9	0.3%	7.2	0.3%
œ.	Thru 2005		0.6%		0.5%	. ———		-1.4%	59.1%		2.3%	48.8%		#N/A		#N/A
AAGR	2006-2015		0.1%		0.1%			0.1%	59.0%		0.1%	47.7%		0.1%		0.1%
∢	2016-2025		0.2%		0.2%			0.2%	59.0%		0.2%	47.7%		0.2%		0.2%

Granite Falls ,Monthly Net Energy Requirements (MWh)

						-			,						
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
	1996	#N/A	#N/A												
	1997	#N/A	#N/A												
	1998	#N/A	#N/A												
77	1999	#N/A	#N/A												
Ĕ	2000	#N/A	#N/A												
Historical	2001	#N/A	#N/A												
Ĩ	2002	#N/A	#N/A												
	2003	#N/A	#N/A												
	2004	2,672	2,403	2,357	1,195	1,923	2,339	2,324	2,143	1,848	3,172	3,248	2,483	28,107	#N/A
	2005	2,335	1,757	3,085	2,531	2.761	2,982	3,468	3,029	2,645	2,415	2,457	3,095	32,560	33,497
	2006	2,550	2,132	2,731	1,838	2,343	2,673	2,893	2,588	2,247	2,859	2,921	2,804	30,579	29,961
	2007	2,548	2,131	2,729	1,837	2,341	2,671	2,891	2,587	2,246	2,858	2,919	2,803	30,560	30,565
	2008	2,551	2,133	2,732	1,839	2,344	2,674	2,894	2,590	2,249	2,861	2,922	2,806	30,597	30,586
70	2009	2,552	2,134	2,733	1.840	2,344	2,674	2,895	2,590	2,249	2,862	2,923	2,806	30,601	30,600
Projected	2010	2,554	2,135	2,735	1,841	2,346	2,676	2,897	2,592	2,251	2,864	2,925	2,808	30,624	30,618
÷	2011	2,554	2,136	2,735	1,841	2,346	2,677	2.897	2,592	2,251	2,864	2,925	2,809	30,628	30,627
ā	2012	2,558	2,139	2,739	1,844	2,350	2,681	2,902	2,596	2,254	2,868	2,930	2,813	30,674	30,661
	2013	2,564	2,144	2,745	1.848	2,355	2,687	2,908	2,602	2,259	2,875	2,936	2,819	30,741	30,722
	2014	2,569	2,148	2,751	1,852	2,360	2,692	2,914	2,607	2,264	2,881	2,942	2,825	30,804	30,786
	2015	2,573	2,151	2,755	1,855	2,363	2,696	2,918	2,611	2,267	2,885	2,946	2,829	30,849	30,836
	2016	2,576	2,154	2,759	1,857	2,367	2,700	2,922	2,615	2,270	2,889	2,951	2,833	30,893	30,881
	2017	2,580	2,157	2,763	1,860	2,370	2,704	2,927	2,619	2,274	2,893	2,955	2,837	30,938	30,925
	2018	2,584	2,161	2,767	1,863	2,374	2,708	2,931	2,623	2,277	2,898	2,960	2,842	30,987	30,973
9	2019	2,589	2,165	2,772	1,866	2,378	2,713	2,937	2,628	2,281	2,903	2,965	2,847	31,044	31,028
Projected	2020	2,594	2,169	2,778	1,870	2,383	2,719	2,943	2,633	2,286	2,909	2,971	2,853	31,110	31,092
Ö	2021	2,600	2,174	2,784	1,874	2,389	2,725	2,949	2,639	2,291	2,916	2,978	2,859	31,181	31,161
ď.	2022	2,606	2,179	2,791	1,879	2,394	2,732	2,956	2,645	2,297	2,923	2,985	2,866	31,255	31,234
	2023	2,613	2,185	2,798	1,884	2,400	2,738	2,964	2,652	2,303	2,930	2,993	2,873	31,333	31,311
	2024	2,619	2,190	2,805	1,888	2,406	2,745	2,971	2,659	2,308	2,937	3,000	2,881	31,411	31,389
	2025	2,626	2,196	2,812	1,893	2,413	2,752	2,979	2,665	2,314	2,945	3,008	2,888	31,493	31,470

			<u>.</u> .											
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
70	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ę	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ξ	2002	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	2003	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	2004	9.5%	8.5%	8.4%	4.2%	6.8%	8.3%	8.3%	7.6%	6.6%	11.3%	11.6%	8.8%	100.0%
	2005	7.2%	5.4%	9.5%	7.8%	8.5%	9.2%	10.7%	9.3%	8.1%	7.4%	7.5%	9.5%	100.0%
	2006	8.3%	7.0%	8,9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
	2007	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
	2008	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
g	2009	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
컱	2010	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
Projected	2011	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9,4%	9.6%	9.2%	100.0%
ā.	2012	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
	2013	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
	2014	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
	2015	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%	7.3%	9.4%	9.6%	9.2%	100.0%
ġ	1996-2005	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
₹	2006-2015	8.3%	7.0%	8.9%	6.0%	7.7%	8.7%	9.5%	8.5%_	7.3%	9.4%	9.6%	9.2%	100.0%

Granite Falls Monthly Non-Coincident Peak Demand (MW)

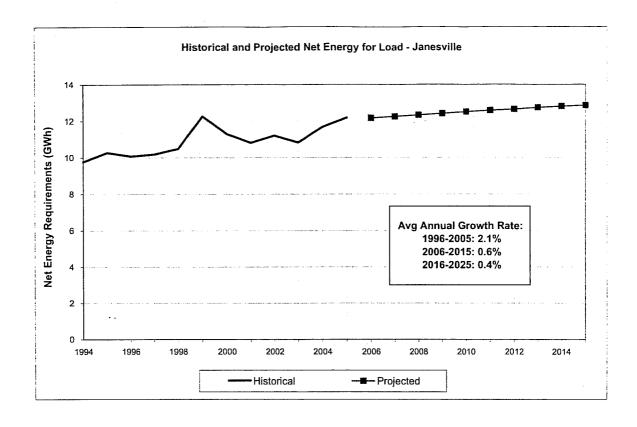
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
7	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ę	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
罜	2002	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	2003	5.1	6.5	4.9	5.2	, 4.9	4.9	6.1	7.8	6.3	6.7	5.8	5.0	6.5	7.8
	2004	4.5	5.4	4.8	7.7	5.2	6.7	6.7	6.3	7.2	6.7	5.0	5.0	5.8	7.2
	2005	4.5	5.0	4.8	4.5	4.6	7.8	7.8	7.6	6.0	4.6	5.3	5.6	5.0	7.8
	2006	5,9	5.7	5,3	4.6	5.2	6.8	7.3	6.4	5.9	4.9	5.0	5.5	5.9	7.3
	2007	5.9	5.7	5.3	4.6	5.2	6.8	7.3	6.4	5.9	4.9	5.0	5.5	5.9	7.3
	2008	5.9	5.7	5.3	4.6	5.2	6.8	7.3	6.4	5.9	4.9	5.0	5.5	5.9	7.3
5	2009	5.9	5.7	5.3	4.6	5.2	6.8	7.3	6.4	5.9	4.9	5.0	5.5	5.9	7.3
Projected	2010	5.9	5.7	5.3	4.6	5.2	6.8	7.3	6.4	5.9	5.0	5.0	5.5	5.9	7.3
ĕ	2011	5.9	5.7	5.3	4.6	5.2	6.8	7.3	6.4	5,9	5.0	5.0	5.5	5.9	7.3
ďΞ	2012	5.9	5.7	5.3	4.6	5.2	6.8	7.3	6.5	5.9	5.0	5.0	5.5	5.9	7.3
	2013	5.9	5.7	5.3	4.6	5.2	5.8	7.4	6,5	5.9	5.0	5.0	5.6	5.9	7.4
	2014	6.0	5.7	5.3	4.6	5.2	6.9	7.4	6.5	5.9	5.0	5.0	5.6	6.0	7.4
	2015	6.0	5.8	5.3	4.6	5.2	6.9	7.4	6.5	5.9	5.0	5.0	5.6	6.0	7.4
	2016	6.0	5.8	5.3	4.6	5.2	6.9	7.4	6.5	5.9	5.0	5.0	5.6	6.0	7.4
	2017	6.0	5.8	5,4	4.6	5.2	6.9	7.4	6.5	5.9	5.0	5.0	5.6	6.0	7.4
	2018	6.0	5.8	5.4	4.6	5.2	6.9	7.4	6.5	6.0	5.0	5.0	5.6	6.0	7.4
eq	2019	6.0	5.8	5.4	4.6	5.3	6.9	7.4	6.5	6,0	5.0	5.0	5.6	6.0	7.4
Projected	2020	6.0	5.8	5.4	4.5	5.3	6.9	7.4	6.5	6.0	5.0	5.1	5.6	6.0	7.4
÷	2021	6.0	5.8	5.4	4.7	5.3	6.9	7.5	6.6	6.0	5.0	5.1	5.6	6.0	7.5
ō.	2022	6.0	5.8	5.4	4.7	5.3	7.0	7.5	6.6	6.0	5.1	5.1	5.6	6.0	7.5
	2023	6.1	5.8	5.4	4.7	5.3	7.0	7.5	6.6	6.0	5.1	5.1	5.7	6.1	7.5
	2024	6.1	5.9	5.4	4.7	5.3	7.0	7.5	6.6	6.0	5.1	5.1	5.7	6.1	7.5
	2025	6.1	5.9	5.5	4.7	5.3	7.0	7.5	6.6	6.0	5.1	5.1	5.7	6.1	7.5

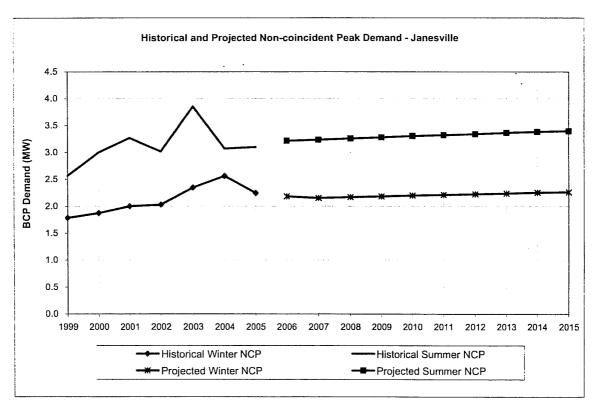
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997				•										
	1998														
10	1999														
Ĕ	2000														
Historical	2001														
Ξ	2002														
	2003														
	2004	79.8%	64.3%	65.6%	21.4%	49.6%	48.5%	46.6%	45.5%	35.6%	64.0%	90.2%	66.8%	55.5%	44.5%
	2005	69.7%	52.3%	86.8%	78.2%	80.5%	53.1%	59.5%	53.9%	61.7%	70.9%	64.9%	74.1%	74.3%	47.5%
	2006	58.0%	55.6%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53,1%	77.7%	81.8%	68.4%	59.0%	47.7%
	2007	58.0%	55.6%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.6%	68.3%	59.0%	47.7%
	2008	58.0%	53.7%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.7%	68.3%	59.0%	47.7%
ď	2009	58.0%	55.6%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.7%	68.3%	59.0%	47.7%
荿	2010	58.0%	55.6%	69.3%	55.9%	60.9%	54,6%	53.1%	54.0%	53.1%	77.7%	81.7%	68.3%	59.0%	47.7%
Projected	2011	58.0%	55.6%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.6%	68.3%	59.0%	47.7%
ů.	2012	58.0%	53.7%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.6%	68.2%	59.0%	47.7%
	2013	58.0%	55.6%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.6%	68.2%	59.0%	47.7%
	2014	58.0%	55.6%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.6%	68.3%	59.0%	47.7%
	2015	58.0%	55.6%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.6%	68.3%	59.0%	47.7%
Ė	1996-2005	74.8%	58.3%	76.2%	49.8%	65.0%	50.8%	53.1%	49.7%	48.7%	67.5%	77.6%	70.4%	64.9%	46.0%
Ŕ	2006-2015	58.0%	55.3%	69.3%	55.9%	60.9%	54.6%	53.1%	54.0%	53.1%	77.7%	81.7%	68.3%	59.0%	47.7%

Granite Falls	Monthly Coincident-Peak Demand (MW)
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Wntr Pk Sumr Pk	5.8 7	5.7	5.8 7	5.8 7	5.8 7	5.8	5.8 7	5.8 7.0	5.8 7.0	5.8	5.8 7.1	5.8 7.1	5.8 7.1	5.8 7.1	5.9 7.1	5.9 7.1	5.9	5.9 7.2	7
Dec	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7
Nov	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1
Oct	4.9	4.9	6.9	6.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.7
Sep	5.9	5,9	5.9	5.9	5.9	5,9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	0.9	6.0	6.0	6.0	6.0	6.0
Aug	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5
Jul	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.2
Jun	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0
Мау	ri,	5.1	5.1	5.1	5.1	ti.	5.5	5.2	5.5	5.2	5.2	5.2	5.2	5.2	5.2	5,2	5.2	5.3	5.3
Apr	4,5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6
Mar	T.G	5.1	5.1	5.7	5.1	5.	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5,3
Feb	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8
Jan	5.8	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5,8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9
Year	2006	2002	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024

i	ž	35.6%	35.6%	35.6%	35.6%	35.6%	35.6%	35.6%	35.6%	35.6%	35.6%	15.6%
i i	T'AK SU	37.3%	37.3%	37.3%	37.3%	37.3%	37.3%	97.3% 95.6%	37.3%	37.3%	37.3%	37.3%
	\$											•
å	nec							99.5%				l
1	NOV	%0.66	%0'66	80.06	%0'66	99.0%	99.0%	99.0%	%0.66	80.06	80.66	99.0%
ċ	סכו	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
\$ 6 0	dac	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
ν	5	98.6%	98.6%	98.6%	98.6%	98.6%	98.6%	98.6%	%9.86	98.6%	98.6%	98.6%
3	ınc	95.6%	95.6%	95.6%	95.6%	95.6%	95.6%	95.6%	95.6%	95.6%	95.6%	95.6%
Ī	In a	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
No.	may	99.2%	99.2%	99.5%	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	98.7%
Anr	1	97.6%	97.6%	97.6%	97.6%	89.76	97.6%	81.6%	84.6%	89.76	85.6%	%9'26
Te M		89.96	96.6%	96.6%	%9.96	86.6%	89.96	%9.96	96.6%	86.6%	89.96	%9.96
T,	- 1							98.7%			1	
LE!	5	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%
Year		2006	2002	2008	5003	2010	2011	2012	2013	2014	2015	2006-2015
					рə	106	Įο.	ы				





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Janesville
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energy	y Requireme	ents (CY)			Non-	Coincider	t Peak Dem	and		Co	incident Pe	eak Demand	ı
	•	Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	10,073	•	10,227	-	1.5%	1.8	•	63.5%	2.6	-	44.5%	#N/A	•	#N/A	•
	1997	10,177	1.0%	10,319	0.9%	1.4%	1.7	-4.6%	67.2%	2.6	-0.8%	45.4%	#N/A	#N/A	#N/A	#N/A
	1998	10,482	3.0%	10,386	0.6%	-0.9%	2.0	15.7%	59.8%	2.7	5.4%	44.3%	#N/A	#N/A	#N/A	#N/A
m	1999	12,260	17.0%	12,133	16.8%	-1.0%	1.8	-10.8%	78.4%	2.6	-4.9%	54.5%	#N/A	#N/A	#N/A	#N/A
Historical	2000	11,302	-7.8%	11,293	-6.9%	-0.1%	1.9	4.9%	68.9%	3.0	16.8%	43.0%	#N/A	#N/A	#N/A	#N/A
istc	2001	10,811	-4.3%	10,441	-7.5%	-3.4%	2.0	6.8%	61.7%	3.3	8.9%	37,8%	#N/A	#N/A	#N/A	#N/A
I	2002	11,208	3.7%	10,716	2.6%	-4.4%	2.0	1.4%	63.1%	3.0	-7.7%	42.4%	#N/A	#N/A	#N/A	#N/A
	2003	10,832	-3.4%	10,532	-1.7%	-2.8%	2.3	15.7%	52.7%	3.9	27.8%	32.1%	#N/A	#N/A	#N/A	#N/A
	2004	11,675	7.8%	11,897	13.0%	1.9%	2.6	9.1%	52.1%	3.1	-20.3%	43.4%	#N/A	#N/A	#N/A	#N/A
	2005	12,184	4.4%	11,624	-2.3%	-4.6%	2.2	-12.4%	62.0%	3.1	0.8%	44.9%	#N/A	#N/A	#N/A	#N/A
	2006	12,167	-0.1%	12,167	4.7%		2.2	-2.7%	63.7%	3.2	3.8%	43.2%	1.8	#N/A	2.9	#N/A
	2007	12,237	0.6%	12,237	0.6%		2.2	-1.4%	64.9%	3.2	0.6%	43.2%	1.8	0.6%	2.9	0.8%
	2008	12,326	0.7%	12,326	0.7%		2.2	0.7%	64.9%	3.3	0.7%	43.2%	1.8	0.7%	3.0	0.7%
	2009	12,409	0.7%	12,409	0.7%		2.2	0.7%	64.9%	3.3	0.7%	43.2%	1.9	0.7%	3.0	0.7%
	2010	12,506	0.8%	12,506	0.8%		2,2	0.8%	64.9%	3.3	0.8%	43.2%	1.9	0.8%	3.0	0.8%
	2011	12,575	0.6%	12,575	0.6%		2.2	0.6%	64.9%	3.3	0.6%	43.2%	1.9	0.6%	3.0	0.6%
	2012	12,644	0.5%	12,644	0.5%		2.2	0.5%	64.9%	3.3	0.5%	43.2%	1.9	0.5%	3.0	0.5%
	2013	12,731	0.7%	12,731	0.7%		2.2	0.7%	64.9%	3.4	0.7%	43.2%	1.9	0.7%	3.1	0.7%
eq	2014	12,809	0.6%	12,809	0.6%		2.3	0.6%	64.9%	3.4	0.6%	43.2%	1.9	0.6%	3.1	0.6%
Projected	2015	12,855	0.4%	12,855	0.4%		2.3	0.4%	64.9%	3.4	0.4%	43.2%	1.9	0.4%	3.1	0.4%
Ö	2016	12,889	0.3%	12,889	0.3%		2.3	0.3%	64.9%	3.4	0.3%	43.2%	1.9	0.3%	3.1	0.3%
n.	2017	12,928	0.3%	12,928	0.3%		2.3	0.3%	64.9%	3.4	0.3%	43.2%	1.9	0.3%	3.1	0.3%
	2018	12,965	0.3%	12,965	0.3%		2.3	0.3%	64.9%	3.4	0.3%	43.2%	1.9	0.3%	3.1	0.3%
	2019	13,017	0.4%	13,017	0.4%		2.3	0.4%	64.9%	3.4	0.4%	43.2%	2.0	0.4%	3.1	0.4%
	2020	13,074	0.4%	13,074	0.4%		2.3	0.4%	64.9%	3.5	0.4%	43.2%	2.0	0.4%	3.1	0.4%
	2021	13,131	0.4%	13,131	0.4%		2.3	0.4%	64.9%	3.5	0.4%	43.2%	2.0	0.4%	3.2	0.4%
	2022	13,187	0.4%	13,187	0.4%		2.3	0.4%	64.9%	3.5	0.4%	43.2%	2.0	0.4%	3.2	0.4%
	2023	13,245	0.4%	13,245	0.4%		2.3	0.4%	64.9%	3.5	0.4%	43.2%	2.0	0.4%	3.2	0.4%
	2024	13,300	0.4%	13,300	0.4%		2.3	0.4%	64.9%	3.5	0.4%	43.2%	2.0	0.4%	3.2	0.4%
	2025	13,351	0.4%	13,351	0.4%		2.3	0.4%	64.9%	3.5	0.4%	43.2%	2.0	0.4%	3.2	0.4%
æ	Thru 2005		2.1%		1.4%			2.4%	62.9%		2.0%	43.2%		#N/A		#N/A
AAGR	2006-2015		0.6%		0.6%			0.4%	64.8%		0.6%	43.2%		0.6%		0.6%
Q	2016-2025		0.4%		0.4%			0.4%	64.9%		0.4%	43.2%		0.4%		0.4%

Janesville Monthly Net Energy Requirements (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
7	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
욢	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
±	2002	900	787	864	775	789	1,035	1,334	1,051	949	891	864	970	11,208	#N/A
	2003	926	818	834	762	780	907	1,132	1,152	863	849	845	962	10,832	10,899
	2004	1,030	906	898	810	854	948	1,200	1,009	1,036	955	945	1,084	11,675	11,348
	2005	1,050	861	922	825	873	1,149	1,372	1,161	997	955	949	1,070	12,184	12,194
	2006	1,035	894	933	841	874	1,069	1,335	1,162	1,019	967	955	1,083	12,167	12,136
	2007	1,040	899	938	846	879	1,076	1,343	1,168	1,025	973	961	1,089	12,237	12,219
	2008	1,048	906	945	852	885	1,083	1,353	1,177	1,032	980	967	1,097	12,326	12,304
8	2009	1,055	912	951	858	891	1,091	1,362	1,185	1,039	986	974	1,104	12,409	12,388
Projected	2010	1,063	919	959	865	898	1,099	1,372	1,194	1,047	994	982	1,113	12,506	12,482
÷	2011	1,069	924	964	870	903	1,105	1,380	1,201	1,053	1,000	987	1,119	12,575	12,558
ō.	2012	1,075	929	969	874	908	1,111	1,388	1,207	1,059	1,005	992	1,125	12,644	12,627
	2013	1,083	936	976	881	914	1,119	1,397	1,215	1,066	1,012	999	1,133	12,731	12,710
	2014	1,089	941	982	886	920	1,126	1,406	1,223	1,073	1,018	1,005	1,140	12,809	12,790
	2015	1,093	945	986	889	923	1,130	1,411	1,227	1,076	1,022	1,009	1.144	12,855	12,844
	2016	1,096	947	988	891	926	1,133	1,414	1,230	1,079	. 1,025	1,012	1,147	12,889	12,880
	2017	1,099	950	991	894	928	1,136	1,419	1,234	1,082	1,028	1,015	1,151	12,928	12,918
	2018	1,102	953	994	897	931	1,140	1,423	1,238	1,086	1,031	1,018	1,154	12,965	12,956
P G	2019	1,107	957	998	900	935	1,144	1,429	1,243	1,090	1,035	1,022	1,159	13,017	13,004
ţ	2020	1,112	961	1,002	904	939	1,149	1,435	1,248	1,095	1,039	1,026	1,164	13,074	13,060
Projected	2021	1,117	965	1,007	908	943	1,154	1,441	1,254	1,099	1,044	1,031	1,169	13,131	13,117
ď.	2022	1,121	969	1,011	912	947	1,159	1,447	1,259	1,104	1,048	1,035	1,174	13,187	13,173
	2023	1,126	973	1,015	916	951	1,164	1,454	1,264	1,109	1,053	1,040	1,179	13,245	13,231
	2024	1,131	977	1,020	920	955	1,169	1,460	1,270	1,114	1,057	1,044	1,184	13,300	13,287
	2025	1,135	981	1,024	923	959	1,173	1,465	1,275	1,118	1,061	1,048	1,188	13,351	13,339

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
10	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
rical	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
얉	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
£	2002	8.0%	7.0%	7.7%	6.9%	7.0%	9.2%	11.9%	9.4%	8.5%	7.9%	7.7%	8.7%	100.0%
	2003	8.5%	7.6%	7.7%	7.0%	7.2%	8.4%	10.5%	10.6%	8.0%	7.8%	7.8%	8.9%	100.0%
	2004	8.8%	7.8%	7.7%	6.9%	7.3%	8.1%	10.3%	8.6%	8.9%	8.2%	8.1%	9.3%	100.0%
	2005	8.6%	7.1%	7.6%	6.8%	7.2%	9.4%	11.3%	9.5%	8.2%	7.8%	7.8%	8.8%	100.0%
	2006	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
	2007	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
	2008	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
Ţ.	2009	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
cted	2010	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
<u>6</u>	2011	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
Ę.	2012	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
	2013	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
	2014	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
	2015	8.5%	7.3%	7.7%	6.9%	7.2%	8.8%	11.0%	9.5%	8.4%	7.9%	7.8%	8.9%	100.0%
Ġ	1996-2005	#N/A	·#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
2	2006-2015	8.5%	7 3%	7 7%	6 9%	7 2%	8 8%	11.0%	9.5%	8 4%	7 0%	7.8%	8 9%	100 0%

Janesville Monthly Non-Coincident Peak Demand (MW)

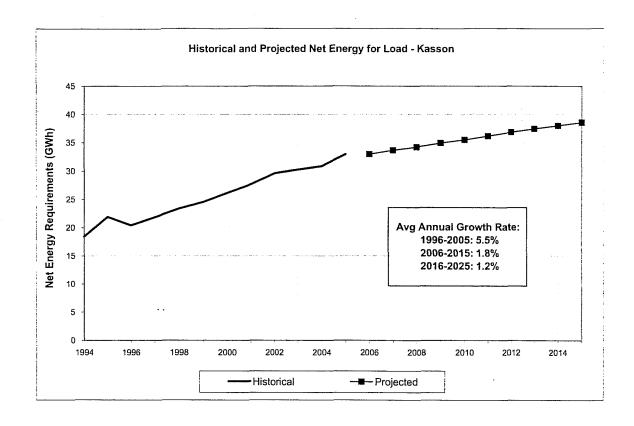
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
77	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
ž	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	#N/A	#N/A	#N/A	#NIA	#N/A	2.8	3.1	3.3	1.9	1.7	1.9	2.0	#N/A	#N/A
Ξ	2002	1.9	1.7	1.7	1.7	2.0	3.0	3.0	2.6	2.9	1.8	1.8	2.1	2.0	3.0
	2003	2.3	2.3	2.1	2.0	2.0	3.5	3.5	3.9	2.9	2.3	2.3	2.6	2.3	3.9
	2004	2.0	. 1.8	1.7	1.6	1.6	2.6	3.1	2.6	2.5	1.8	2.0	2.2	2.6	3.1
	2005	2.0	1.8	1.7	1.6	1.6	3.0	3.1	3.1	2.5	2.2	2.1	2.2	2.2	3.1
	2006	2.0	1.8	1.7	1.7	1.7	3.0	3.2	3.0	2.6	2.1	2.0	2.2	2.2	3.2
	2007	2.0	1.8	1.8	1.7	1.7	3.0	3.2	3.0	2.6	2.1	2.0	2.2	2.2	3.2
	2008	2.0	1.9	1.8	1.7	1.8	3.0	3.3	3.1	2.6	2.1	2.0	2.2	2.2	3.3
e G	2009	2.0	1.9	1.8	1.7	1.8	3.0	3.3	3.1	2.6	2.1	2.0	2.2	2.2	3.3
Projected	2010	2.1	1.9	1.8	1.7	1.8	3.0	3.3	3.1	2.7	2.1	2.0	2.2	2,2	3.3
5	2011	2.1	1.9	1.8	1.7	1.8	3.1	3.3	3.1	2.7	2.1	2.0	2.2	2.2	3.3
ď.	2012	2.1	1.9	1.8	1.7	1.8	3.1	3.3	3.1	2.7	2.1	2.0	2.2	2.2	3.3
	2013	2.1	1.9	1.8	1.7	1.8	3.1	3.4	3.2	2.7	2.2	2.1	2.3	2.2	3.4
	2014	2.1	1.9	1.8	1.8	1.8	3.1	3.4	3.2	2.7	2.2	2.1	2.3	2.3	3.4
	2015	2.1	1.9	1.8	1.8	1.8	3.1	3.4	3.2	2.7	2.2	2.1	2,3	2.3	3.4
	2016	2.1	1.9	1.9	1.8	1.8	3,1	3.4	3.2	2.7	2.2	2.1	2.3	2.3	3.4
	2017	2.1	1.9	1.9	1.8	1.8	3.1	3.4	3.2	2.7	2.2	2.1	2.3	2.3	3.4
	2018	2,1	2.0	1.9	1.8	1.9	3.1	3.4	3.2	2.8	2.2	2.1	2.3	2.3	3.4
ģ	2019	2.1	2.0	1.9	1.8	1.9	3.2	3.4	3.2	2.8	2.2	2.1	2.3	2.3	3.4
Projected	2020	2.2	2.0	1.9	1.8	1.9	3.2	3.5	3.2	2.8	2.2	2.1	2.3	2.3	3.5
ē	2021	2.2	2.0	1.9	1.8	1.9	3.2	3.5	3.3	2.8	2.2	2.1	2.3	2.3	3.5
ā	2022	2.2	2.0	1.9	1.8	1.9	3.2	3.5	3.3	2.8	2.2	2.1	2.3	2.3	3.5
	2023	2.2	2.0	1.9	1.8	1.9	3.2	3.5	3.3	2.8	2.3	2.1	2.3	2.3	3.5
	2024	2.2	2.0	1.9	1.8	1.9	3.2	3.5	3.3	2.8	2.3	2.1	2.3	2.3	3.5
	2025	2.2	2.0	1.9	1.8	1.9	3.2	3.5	3.3	2,8	2.3	2.1	2.4	2.3	3.5

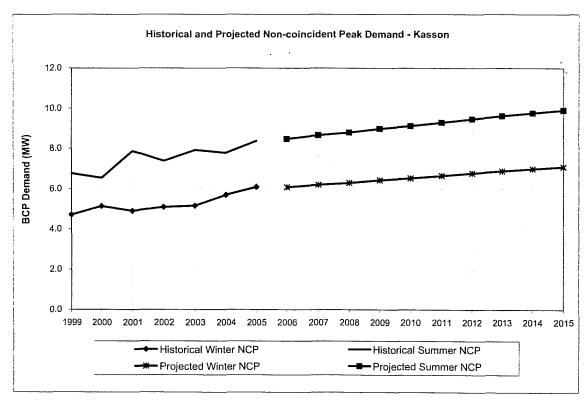
	Year	Jan	Feb	Маг	Арг	May	Jun	luL	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
æ	1999														
윤	2000														
Historical	2001														
Ŧ	2002	62.4%	68.1%	67.9%	63.9%	52.1%	48.2%	59.5%	54.3%	45.6%	67.6%	66.3%	63.3%	63.1%	42.4%
	2003	53.0%	53.1%	53.3%	52.6%	53.6%	36.0%	43.0%	40.2%	41.4%	49.1%	50.9%	50.5%	52.7%	32.1%
	2004	69.5%	71.6%	70.9%	72.5%	70.3%	50.5%	52.5%	52.1%	57.7%	71.5%	65.5%	64.9%	52.1%	43.4%
	2005	69.3%	69.9%	71.4%	73.8%	72.8%	53,6%	59.7%	50.4%	56.5%	58.4%	63.0%	65.9%	62.0%	44.9%
	2006	69.3%	72.5%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.6%	67.6%	63.7%	43.2%
	2007	69.3%	72.5%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.5%	67.5%	64.9%	43.2%
	2008	69.3%	70.0%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.5%	67.6%	64.9%	43.2%
8	2009	69.3%	72.5%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.5%	67.5%	64.9%	43.2%
ថ្ង	2010	69.3%	72.5%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.6%	67.6%	64.9%	43.2%
Projected	2011	69.3%	72.5%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.6%	67.6%	64.9%	43.2%
ď	2012	69.3%	70.0%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.5%	67.5%	64.9%	43.2%
	2013	69.3%	72.5%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.6%	67.6%	64.9%	43.2%
	2014	69.3%	72.5%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.7%	67.8%	64.9%	43.2%
	2015	69.3% _	72.5%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.8%	67.8%	64.9%	43.2%
Ė	1996-2005	63.5%	65.7%	65.9%	65.7%	62.2%	47.1%	53.7%	49.2%	50.3%	61.6%	61.4%	61.2%	57.5%	40.7%
Æ	2006-2015	69.3%	72.0%	71.8%	70.1%	67.6%	50.3%	55.8%	51.7%	54.7%	62.9%	67.6%	67.6%	64.8%	43.2%

Janesville Monthly Coincident-Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	1.8	1.5	1.5	1.4	1.6	2.8	2.9	2.8	2.4	1.7	1.9	2.1	1.8	2.9
	2007	1.8	1.5	1.5	1.4	1.6	2.8	2.9	2.8	2.4	1.7	1,9	2.1	1.8	2.9
	2008	1.8	1.5	1.5	1.5	1.6	2.8	3.0	2,9	2.4	1.7	1.9	2.1	1.8	3.0
Ð	2009	1.9	1.5	1.5	1.5	1.6	2.8	3.0	2.9	2.4	1.7	2.0	2,1	1.9	3.0
cte	2010	1.9	1.6	1.5	1.5	1.6	2.9	3.0	2.9	2.4	1.7	2.0	2.1	1.9	3.0
roje	2011	1.9	1.6	1.5	1,5	1.6	2.9	3.0	2.9	2.5	1.7	2.0	2.1	1.9	3.0
č	2012	1.9	1,6	1.5	1.5	1.7	2.9	3.0	2.9	2.5	1.8	2.0	2.2	1.9	3.0
	2013	1.9	1,6	1.5	1.5	1.7	2.9	3.1	3.0	2.5	1.8	2.0	2.2	1.9	3.1
	2014	1.9	1.6	1.5	1.5	1.7	2.9	3.1	3.0	2.5	1.8	2.0	2.2	1.9	3.1
	2015	1.9	1.6	1.5	1.5	1.7	2.9	3,1	3.0	2.5	1.8	2.0	2.2	1.9	3.1
	2016	1.9	1.6	1.5	1.5	1.7	3.0	3,1	3.0	2.5	1.8	2.0	2.2	1.9	3.1
	2017	1.9	1.6	1.6	1.5	1.7	3.0	3.1	3.0	2.5	1.8	2.0	2.2	1.9	3.1
	2018	1.9	1.6	1.6	1.5	1.7	3.0	3.1	3.0	2.5	1.8	2.0	2.2	1.9	3.1
g	2019	2.0	1.6	1.6	1.5	1.7	3.0	3.1	3.0	2.5	1.8	2.1	2.2	2.0	3.1
ត	2020	2.0	1.6	1.6	1.5	1.7	3.0	3,1	3.0	2.6	1.8	2.1	2.2	2.0	3.1
ō Ģ	2021	2.0	1.6	1.6	1.6	1.7	3.0	3.2	3.1	2.6	1.8	2.1	2.2	2.0	3.2
ŏ.	2022	2.0	1.6	1.6	1.6	1.7	3.0	3.2	3.1	2.6	1.8	2.1	2.2	2.0	3.2
	2023	2.0	1,7	1.6	1.6	1.7	3.0	3.2	3.1	2.6	1.8	2.1	2.3	2.0	3.2
	2024	2.0	1.7	1.6	1.6	1.7	3.0	3.2	3.1	2.6	1.9	2.1	2.3	2.0	3.2
	2025	2.0	1.7	1.6	1.6	1.7	3.1	3.2	3.1	2.6	1.9	2.1	2.3	2.0	3.2

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	83.6%	91.1%
	2007	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
	2008	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
70	2009	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
55	2010	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
<u>.e</u>	2011	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
č	2012	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
	2013	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
	2014	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
	2015	90.8%	82.8%	83.7%	86.3%	91.6%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.2%	91.1%
	2006-2015	90.8%	82.8%	83.7%	86.3%	82.8%	94.3%	91.1%	93.8%	91.8%	81.9%	97.9%	96.6%	85.0%	91,1%





Kasson
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requireme	ents (CY)			Non-	Coincider	it Peak Dem	and		Со	incident Pe	eak Demand	<u> </u>
	•	Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	20,427	•	19,943	-	-2.4%	3.9	•	59.9%	5.1	•	45.8%	#N/A	•	#N/A	•
	1997	21,847	7.0%	21,960	10.1%	0.5%	4.0	2.2%	62.6%	5.4	5.7%	46.3%	#N/A	#N/A	#N/A	#N/A
	1998	23,409	7.1%	24,970	13.7%	6.7%	4.5	11.9%	60.0%	5.8	8.2%	45.8%	#N/A	#N/A	#N/A	#N/A
ā	1999	24,565	4.9%	25,788	3.3%	5.0%	4.7	5.7%	59.5%	6.8	16.0%	41.5%	#N/A	#N/A	#N/A	#N/A
Historical	2000	26,146	6.4%	26,802	3.9%	2.5%	5.1	9.2%	58.1%	6.5	-3.2%	45.6%	#N/A	#N/A	#N/A	#N/A
istc	2001	27,672	5.8%	28,053	4.7%	1.4%	4.9	-4.6%	64.4%	7.9	20.3%	40.1%	#N/A	#N/A	#N/A	#N/A
I	2002	29,607	7.0%	29,325	4.5%	-1.0%	5.1	3.9%	66.3%	7.4	-6.2%	45.8%	#N/A	#N/A	#N/A	#N/A
	2003	30,286	2.3%	30,233	3.1%	-0.2%	5.2	1,2%	67.0%	7.9	7.3%	43.7%	#N/A	#N/A	#N/A	#N/A
	2004	30,877	2.0%	32,356	7.0%	4.8%	5.7	10.4%	61.9%	7.8	-1,8%	45.3%	#N/A	#N/A	#N/A	#N/A
	2005	32,992	6.8%	33,401	3.2%	1.2%	6.1	7.0%	61.8%	8.4	7.6%	45.0%	#N/A	#N/A	#N/A	#N/A
	2006	33,001	0.0%	33,001	-1.2%		6.1	-0.3%	62.0%	8.5	1.3%	44.5%	5.7	#N/A	7.3	#N/A
	2007	33,705	2.1%	33,705	2.1%		6.2	2.0%	62.1%	8.7	2.1%	44.5%	5.8	2.1%	7.4	2.1%
	2008	34,240	1.6%	34,240	1.6%		6.3	1.6%	62.1%	8.8	1.6%	44.5%	5.9	1.6%	7.5	1.6%
	2009	34,956	2,1%	34,956	2.1%		6.4	2.1%	62.1%	9.0	2.1%	44.5%	6.0	2,1%	7.7	2.1%
	2010	35,526	1.6%	35,526	1.6%		6.5	1.6%	62.1%	9.1	1.6%	44.5%	6.1	1.6%	7.8	1.6%
	2011	36,184	1.9%	36,184	1.9%		6.7	1.9%	62.1%	9.3	1.9%	44.5%	6.2	1.9%	8.0	1.9%
	2012	36,867	1.9%	36,867	1.9%		6.8	1.9%	62.1%	9.5	1.9%	44.5%	6.3	1.9%	8.1	1.9%
	2013	37,466	1.6%	37,466	1.6%		6.9	1.6%	62.1%	9.6	1.6%	44.5%	6.4	1.6%	8.3	1.6%
þa	2014	38,035	1.5%	38,035	1.5%		7.0	1.5%	62.1%	9.8	1.5%	44.5%	6.5	1.5%	8.4	1.5%
g	2015	38,581	1.4%	38,581	1.4%		7.1	1.4%	62.1%	9.9	1.4%	44.5%	6.6	1.4%	8.5	1.4%
Projected	2016	39,113	1.4%	39,113	1.4%		7.2	1.4%	62.1%	10.0	1.4%	44.5%	6.7	1.4%	8.6	1.4%
σ.	2017	39,638	1.3%	39,638	1.3%		7.3	1.3%	62.1%	10.2	1.3%	44.5%	6.8	1.3%	8.7	1.3%
	2018	40,148	1.3%	40,148	1.3%		7.4	1.3%	62.1%	10.3	1.3%	44.5%	6.9	1.3%	8.9	1.3%
	2019	40,636	1.2%	40,636	1.2%		7.5	1.2%	62.1%	10.4	1.2%	44.5%	7.0	1.2%	9.0	1.2%
	2020	41,124	1.2%	41,124	1.2%		7.6	1.2%	62.1%	10.6	1.2%	44.5%	7.1	1.2%	9.1	1.2%
	2021	41,614	1.2%	41,614	1.2%		7.6	1.2%	62.1%	10.7	1.2%	44.5%	7.1	1.2%	9.2	1.2%
	2022	42,096	1.2%	42,096	1.2%		7.7	1.2%	62.1%	10.8	1.2%	44.5%	7.2	1.2%	9.3	1.2%
	2023	42,563	1.1%	42,563	1.1%		7.8	1.1%	62.1%	10.9	1.1%	44.5%	7.3	1.1%	9.4	1.1%
	2024	43,015	1.1%	43,015	1,1%		7.9	1.1%	62.1%	11.0	1.1%	44.5%	7.4	1.1%	9.5	1.1%
	2025	43,492	1.1%	43,492	1.1%		8.0	1.1%	62.1%	11.2	1.1%	44.5%	7.5	1,1%	9.6	1.1%
œ	Thru 2005		5.5%		5.9%			5.1%	62.2%		5.7%	44.5%		#N/A		#N/A
AAGR	2006-2015		1.8%		1.8%			1.7%	62.1%		1.8%	44.5%		1.8%		1.8%
⋖	2016-2025		1.2%		1,2%			1.2%	62.1%		: 1.2%	44.5%		1.2%		1.2%

	(MWh)
Kasson	Requirements
Ж	Energy
	Net
	lonthíy

FY Total	A/N#	#N/A	#N/A	#N/V	#N/A	A/N#	29.010	30,173	30.438	32,024	33,531	33,527	34,105	34,775	35,382	36.017	36,694	37,314	37,891	38.443	38,978	39,505	40,019	40,513	41,001	41,490	41,974	42,445	42.901	43,372
CY Total	#W/A	W/N#	#N/A	#N/A	#N/A	27,672	29,607	30,286	30,877	32,992	33,001	33,705	34,240	34,956	35,526	36.184	36,867	37,466	38,035	38,581	39,113	39,638	40,148	40,636	41,124	41,614	42,096	42,563	43.015	43,492
Dec	W/N#	#N/A	#N/A	#N/A	#N/A	2,453	2,605	2,720	2,897	3,857	3,149	3,217	3,268	3,336	3,390	3,453	3,518	3,576	3,630	3,682	3,733	3,783	3,832	3,878	3,925	3,971	4,017	4,062	4,105	4,151
Nov	#N/A	#N/A	#N/A	#N/A	#N/A	2,166	2,387	2,407	2,548	2,468	2,612	2,667	2,710	2,766	2,811	2,863	2,918	2,965	3,010	3,053	3,095	3,137	3,177	3,216	3,254	3,293	3,331	3,368	3,404	3,442
oct	#N/A	#N/A	W/N#	#N/A	#N/A	2,145	2,369	2,347	2,468	2,555	2,590	2,645	2,687	2,743	2,788	2,839	2,893	2,940	2,985	3,028	3,069	3,111	3,151	3,189	3,227	3,266	3,303	3,340	3,376	3,413
Sep	W/N#	#N/A	#N/A	#N/A	#N/A	2,079	2,502	2,430	2,647	2,628	2,675	2,732	2,775	2,833	2,879	2,933	2,988	3,037	3,083	3,127	3,170	3,213	3,254	3,293	3,333	3,373	3,412	3,450	3,486	3,525
Aug	W/N#	#N/A	#N/A	#N/A	#N/A	2,839	2,779	3,175	2,635	3,054	3,163	3,230	3,282	3,350	3,405	3,468	3,533	3,591	3,645	3,698	3,749	3,799	3,848	3,895	3,941	3,988	4,035	4,079	4,123	4,168
Jul	#N/A	#N/A	#N/A	W/V#	#N/A	2,997	3,277	3,053	3,024	3,438	3,445	3,518	3,574	3,649	3,708	3,777	3,848	3,911	3,970	4,027	4,083	4,138	4,191	4,242	4,293	4,344	4,394	4,443	4,490	4,540
Jun	#N/A	#N/A	#N/A	W/N#	#N/A	2,447	2,684	2,477	2,538	2,944	2,853	2,914	2,960	3,022	3,072	3,128	3,188	3,239	3,289	3,336	3,382	3,427	3,471	3,513	3,556	3,598	3,640	3,680	3,719	3,760
May	#N/A	#N/A	#N/A	#N/A	#N/A	2,081	2,135	2,161	2,284	2,269	2,386	2,437	2,475	2,527	2,568	2,616	2,665	2,708	2,750	2,789	2,827	2,865	2,902	2,938	2,973	3.008	3,043	3,077	3,110	3,144
Apr	¥N/¥	#N/A	#N/A	∀/N#	#N/A	1,964	2,067	2,147	2,161	2,187	2,296	2,345	2,383	2,433	2,472	2,518	2.566	2,607	2,647	2,685	2,722	2,758	2,794	2,828	2,862	2,896	2,929	2,962	2,993	3,027
Mar	#N/A	#N/A	#N/A	#N/A	V/V#	2,120	2,303	2,382	2,433	2.471	2,553	2,607	2,649	2,704	2,748	2,799	2,852	2,898	2,942	2,984	3,025	3,066	3,106	3,143	3,181	3,219	3,256	3,292	3,327	3,364
Feb	#N/A	#N/A	#N/A	#N/A	#N/A	2,087	2,111	2,328	2,442	2,332	2,464	2,517	2,557	2,610	2,653	2,702	2,753	2,797	2,840	2,881	2,920	2,960	2,998	3,034	3,071	3,107	3,143	3,178	3.212	3,247
Jan	#N/A	#N/A	∀/V#	#N/A	#N/A	2,294	2,388	2,660	2,800	2,789	2,816	2,876	2,921	2,983	3,031	3,087	3,146	3,197	3,245	3,292	3,337	3,382	3,426	3,467	3,509	3,551	3,592	3,632	3,670	3.711
Year	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	Historical										pə	pə	ĺΟΊ	d						,	pəţ	эa	101	d			•			

-	#N/A	#N/A	V/14#		1	4/24	0.0%	%0.0	%0.0	200	%000	%00	%0.0	%0.0	100.0%	%0.0	2.0%	%0.0	%0.0	%0.0	%0.0	A/N	2
Total						•	2	₽	5	2 5		1	2 =	5 5	101	₽	10	5	ē	0	2		
Dec	#N/A	#W/A	#W/A	() () () () () () () () () ()	(· ·	Z/Aid	6.9%	8.8%	%0.6	9.4%	11 7%	9 5%	9.5%	82%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	9.5%	WW#	
Nov	#N/A	#N/A	₽/N#	44144	() () () () () () () () () ()	¥ 1	0, p. /	8.1%	7.9%	8.3%	7.5%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	7.9%	#N/A	
Oct	W/V#	W/N#	4/N#	V/IV#	V/14#	1 in 1	0,07	8.0%	7.7%	8.0%	7.7%	7.8%	7.8%	7.8%	7.8%	7.8%	7.8%	7.8%	7.8%	7.8%	7.8%	#N/A	
Sep	#N/A	#N/A	W/V#	V/V#	VIV#	7 59,7	0,0.7	8.5%	8.0%	8.6%	8.0%	8.1%	8.1%	8.1%	8.1%	8.1%	8.1%	8.1%	8.1%	8.1%	8.1%	W/V#	
Aug	#N/A	#N/A	W/N#	₩/N#	W/N#	70 5 07	2.0	9.4%	10.5%	8.5%	9.3%	9.6%	9.6%	8.6%	9.6%	9.6%	89.6	89.6	9.6%	89.6	%9.6	#N/A	
Jul	W/N#	#N/A	#N/A	V/N#	4/N#	10 8%	20.01	11.1%	10.1%	9.8%	10.4%	10.4%	10.4%	10.4%	10.4%	10.4%	10.4%	10.4%	10.4%	10.4%	10.4%	#N/A	
Jun	#N/A	W/V#	#N/A	Ø/N#	A/N#	A 8%		9.1%	8.2%	8.2%	8.9%	8.6%	8.6%	8.6%	8.6%	8.6%	8.6%	8.6%	8.6%	8.6%	8.6%	#N/A	
Мау	#N/A	#N/A	#N/A	#W/A	₩/N#	7.5%	2 6	0.7.7	7.1%	7.4%	6.9%	7.2%	7.2%	7.2%	7.2%	7.2%	7.2%	7.2%	7.2%	7.2%	7.2%	¥N/¥	
Apr	#N/A	#N/A	#N/A	#W/A	#W/A	7 1%	1	7.0%	7.1%	7.0%	6.6%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	7.0%	#N/A	
Mar	#N/A	#N/A	#N/A	#N/A	#N/A	7 7%	1	0/.0//	7.9%	7.9%	7.5%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	#N/A	
Feb	#V/A	#N/A	#N/A	#N/A	#N/A	7.5%		- % 	7.7%	7.9%	7.1%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	#N/A	
Jan	∀/N#	#N/A	#N/A	#N/A	W/V#	8.3%	2	0.1%	8.8%	9.1%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	#N/A	
Year	1996	1997	1998	1999	2000	2001	5000	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	96-2005	

Kasson Monthly Non-Coincident Peak Demand (MW)

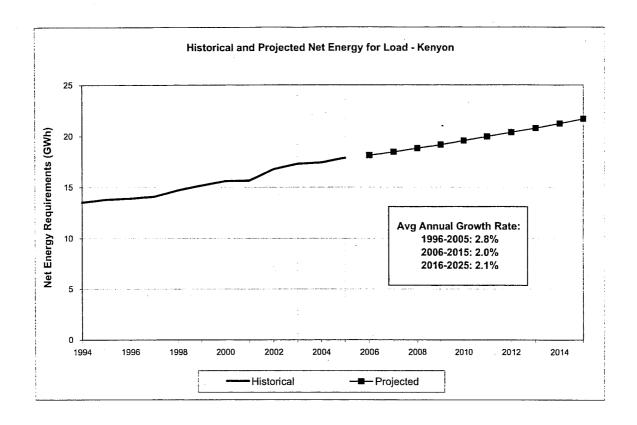
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Watr Pk	Sumr Pk
	1996	#N/A	#N/A												
	1997	#N/A	#N/A												
	1998	#N/A	#N/A												
丽	1999	#N/A	#N/A												
Historical	2000	#N/A	#N/A												
stc	2001	4.9	4.4	4.1	3.9	5.2	6.4	7.4	7.9	4.7	4.7	5.0	5.1	#N/A	7.9
至	2002	4.8	4.7	4.6	4.5	5.4	7.1	7.4	6.5	7.0	4.7	4.9	5.2	5.1	7.4
	2003	5.1	5.0	4.7	4.5	4.3	7.2	6.9	7.9	6.8	4.8	5.1	5.5	5.2	7.9
	2004	5.7	5.1	4.9	4.6	4.8	7.0	7.8	6.9	7.0	4.8	5.5	6.1	5.7	7.8
	2005	5.6	5.2	5.0	4.5	4.5	8.1	8.4	8.2	7.0	6.6	5.6	6.1	6.1	8.4
	2006	5.8	5.5	5.3	4.7	5.0	7.6	8.5	8.0	7.0	5.7	5.8	6.2	6.1	8.5
	2007	6.0	5.6	5.4	4.8	5.1	7.8	8.7	8.1	7.2	5.8	5.9	6.3	6.2	8.7
	2008	6.1	5.7	5.5	4.9	5.2	7.9	8.8	8.3	7.3	5.9	6,0	6.4	6.3	8.8
9	2009	6.2	5.8	5.6	5.0	5.3	8.1	9.0	8.4	7.4	6.0	6.1	6.5	6.4	9.0
Projected	2010	6.3	5.9	5.7	5.0	5.4	8.2	9.1	8.6	7.5	6.1	6,2	6.7	6.5	9.1
Ť	2011	6.4	6.0	5.8	5.1	5.5	8.4	9.3	8.7	7.7	6.2	6.3	6.8	6.7	9.3
ď.	2012	6.5	6.1	5.9	5.2	5.6	8.5	9.5	8.9	7.8	6.3	6.4	6.9	6.8	9.5
	2013	6.6	6.2	6.0	5.3	5.7	8.7	9.6	9.0	8.0	6.4	6.5	7.0	6.9	9.6
	2014	6.7	6.3	6.1	5.4	5.8	8.8	9.8	9.2	8.1	6.5	6.6	7.1	7.0	9.8
	2015	6.8	6.4	6.2	5.5	5.8	8.9	9.9	9.3	8.2	6.6	6.7	7.2	7.1	9.9
	2016	6.9	6.5	6.3	5.6	5.9	9.0	10.0	9.4	8.3	6.7	6.8	7.3	7.2	10.0
	2017	7.0	6.6	6.4	5.6	6.0	9.2	10.2	9.6	8.4	6.8	6.9	7.4	7.3	10.2
	2018	7.1	6.7	6.5	5.7	6.1	9.3	10.3	9.7	8.5	6.9	6.9	7.5	7.4	10.3
P	2019	7.2	6.7	6.5	5.8	6.1	9.4	10.4	9.8	8,6	7.0	7,0	7.6	7.5	10.4
Projected	2020	7.3	6.8	6.6	5.8	6.2	9.5	10.6	9.9	8.7	7.0	7.1	7.6	7.6	10.6
Ť	2021	7.4	6.9	6.7	5.9	6.3	9.6	10.7	10.0	8.8	7.1	7.2	7.7	7.6	10.7
<u>r</u>	2022	7.5	7.0	6.8	5.0	6.4	9.7	10.8	10.2	8.9	7.2	7.3	7.8	7.7	10.8
	2023	7.5	7.1	6.9	6.0	6.4	9.8	10.9	10.3	9.0	7.3	7.4	7.9	7.8	10.9
	2024	7.6	7.1	6.9	6.1	6.5	9.9	11.0	10.4	9.1	7.4	7.4	8.0	7.9	11.0
	2025	7.7	7.2	7.0	6.2	6.6	10.1	11.2	10.5	9.2	7.4	7.5	8.1	8.0	11.2

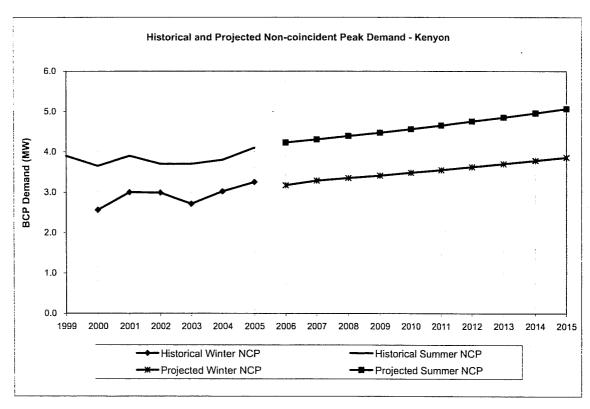
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997					•									
	1998														
70	1999														
ž	2000														
Historical	2001	62.9%	70.1%	68.7%	69.7%	53.5%	53.1%	54.3%	48.5%	62.0%	61.8%	60.5%	64.7%		40.1%
Ŧ	2002	67.1%	67.2%	66.6%	64.0%	53.5%	52.5%	59.7%	57.3%	49.5%	67.5%	68.0%	67.9%	66.3%	45.8%
	2003	69.7%	68.6%	67.7%	66.8%	68.2%	47,7%	59.3%	53.9%	49.5%	65.6%	65.2%	66.3%	67.0%	43.7%
	2004	66.1%	68.1%	67.1%	65.7%	64.6%	50.7%	52.2%	51.3%	52.4%	68.7%	64.8%	63.9%	61.9%	45.3%
	2005	67.1%	67.3%	66.6%	67.1%	68.0%	50.3%	55.2%	50.1%	52.3%	52.2%	61.6%	85.4%	61.8%	45.0%
	2006	64.7%	67.0%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.0%	68.3%	62.0%	44.5%
	2007	64.7%	67.0%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.3%	68.7%	62.1%	44.5%
	2008	64.7%	64.7%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.0%	68.4%	62.1%	44.5%
Ġ	2009	64.7%	67.0%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.3%	68.7%	62.1%	44.5%
Projected	2010	64.7%	67.0%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.1%	68.5%	62.1%	44.5%
충	2011	64.7%	67.0%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.1%	68.5%	62.1%	44.5%
ď.	2012	64.7%	64.7%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.3%	68.7%	62.1%	44.5%
	2013	64.7%	67.0%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.3%	68.7%	62.1%	44.5%
	2014	64.7%	67.0%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.4%	68.8%	62.1%	44.5%
	2015	64.7%	67.0%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.4%	68.8%	62.1%	44.5%
Ġ	1996-2005	66.6%	68.2%	67.3%	66.6%	61.6%	50.9%	56.1%	52.2%	53.1%	63.2%	64.0%	69.7%	64.3%	44.0%
Ŕ	2006-2015	64.7%	66.5%	64.6%	68.0%	64.2%	51.9%	54.6%	53.4%	53.0%	61.6%	63.2%	68.6%	62.1%	44.5%

Kasson Monthly Coincident-Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk	
	2006	5.7	4.4	4.8	4.3	4.7	4.0	7.3	7.6	6.0	4.2	5.5	6.1	5.7	7.3	
	2007	5.8	4.5	4.9	4.4	4.9	4.1	7.4	7.7	6.2	4.3	5.6	6.2	5.8	7.4	
	2008	5.9	4.6	5.0	4.5	4.9	4.2	7.5	7.9	6.3	4.3	5.7	6.3	5.9	7.5	
2	2009	6.0	4.7	5.1	4.6	5.0	4.3	7.7	0.8	6.4	4.4	5.8	6.5	6.0	7.7	
rojected	2010	6.1	4.7	5.1	4.7	5.1	4.3	7.8	8.2	6.5	4.5	5.9	6,6	6.1	7.B	
픙	2011	6.2	4.8	5.2	4.8	5,2	4.4	8.0	8.3	6.6	4.6	6.0	6.7	6.2	8.0	
Ď.	2012	6.3	4.9	5,3	4.9	5.3	4.5	8.1	8.5	6.7	4.7	6.1	6.8	6.3	8.1	
	2013	6.4	5.0	5.4	4.9	5.4	4.6	8.3	8.6	6.8	4.7	6.2	6,9	6.4	8.3	
	2014	6.5	5.1	5.5	5.0	5.5	4.6	8.4	8.7	6.9	4.8	6,3	7.0	6.5	8.4	
	2015	6.6	5.1	5.6	5.1	5.6	4.7	8.5	8.9	7.0	4.9	6.4	7.1	6.6	8.5	
	2016	6.7	5.2	5.7	5.2	5.6	4.8	8.6	9.0	7.1	4.9	6.4	7.2	6.7	8.6	
	2017	6.8	5.3	5.7	5.2	5.7	4.8	8.7	9.1	7.2	5.0	6.5	7.3	6.8	8.7	
	2018	6.9	5.3	5.8	5.3	5.8	4.9	8.9	9.2	7.3	5.1	6.6	7.4	6.9	8.9	
P	2019	7.0	5.4	5.9	5.4	15.8	4.9	9.0	9.3	7.4	5.1	6.7	7.5	7.0	9.0	
Projected	2020	7.1	5.5	6.0	5.4	5.9	5.0	9.1	9.4	7.5	5.2	6.8	7.6	7.1	9.1	
÷	2021	7.1	5.5	6.0	5.5	6.0	5.1	9.2	9.6	7.6	5.3	6.8	7.6	7.1	9.2	
ā	2022	7.2	5.6	6.1	5.5	6.1	5.1	9.3	9.7	7.7	5.3	6.9	7.7	7.2	9.3	
	2023	7.3	5.7	6.2	5.6	6.1	5.2	9.4	9.8	7.8	5.4	7.0	7.8	7.3	9.4	
	2024	7.4	5.7	6.2	5.7	6.2	5.2	9.5	9.9	7.9	5.4	7.1	7.9	7.4	9.5	
	2025	7.5	5.8	6.3	5.7	6.3	5.3	9.6	10.0	7.9	5.5	7.2	8.0	7.5	9.6	

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.2%	85.9%
	2007	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%
	2008	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%
Ę.	2009	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%
Ť	2010	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85,9%
Ö	2011	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%
n.	2012	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%
	2013	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%
	2014	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%
	2015	96.8%	80.3%	90.0%	92.7%	95.1%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%
	2006-2015	96.8%	80.3%	90.0%	92.7%	80.3%	52.6%	85.9%	95.3%	86.0%	73.7%	95.1%	98.8%	93.3%	85.9%





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Kenyon
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requireme	ents (CY)			Non-	Coincider	ıt Peak Dem	and		Ca	incident P	eak Demand	l
		Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	13,905	•	13,813	•	-0.7%	2.4	-	65.2%	3.2	-	49.1%	#N/A		#N/A	-
	1997	14,084	1.3%	14,164	2.5%	0.6%	2.6	7.1%	61.6%	3.3	1.9%	48.8%	#N/A	#N/A	#N/A	#N/A
	1998	14,697	4.4%	15,080	6.5%	2.6%	2.8	5.5%	60.9%	3.7	12.3%	45.3%	#N/A	#N/A	#N/A	#N/A
77	1999	15,175	3.3%	15,458	2.5%	1.9%	#N/A	#N/A	#N/A	3.9	5.4%	44.4%	#N/A	#N/A	#N/A	#N/A
Historical	2000	15,599	2.8%	15,765	2.0%	1.1%	2.6	#N/A	69.6%	3.7	-6.4%	48.8%	#N/A	#N/A	#N/A	#N/A
iste	2001	15,644	0.3%	15,602	-1.0%	-0.3%	3.0	17.2%	59.5%	3.9	6.8%	45.8%	#N/A	#N/A	#N/A	#N/A
工	2002	16,765	7.2%	16,510	5,8%	-1.5%	3.0	-0.4%	64.0%	3.7	-5.1%	51.7%	#N/A	#N/A	#N/A	#N/A
	2003	17,292	3.1%	17,159	3.9%	-0.8%	2.7	-9.3%	72.8%	3.7	0.0%	53.4%	#N/A	#N/A	#N/A	#N/A
	2004	17,424	0.8%	17,865	4.1%	2.5%	3.0	11.3%	65.9%	3.8	2.7%	52.3%	#N/A	#N/A	#N/A	#N/A
	2005	17,874	2.6%	17,761	-0.6%	-0.6%	3.2	7.6%	62.8%	4.1	7.9%	49.8%	#N/A	#N/A	#N/A	#N/A
	2006	18,115	1.3%	18,115	2.0%		3.2	-2.4%	65.2%	4.2	3.1%	48.9%	2.9	#N/A	3.8	#N/A
	2007	18,445	1.8%	18,445	1.8%		3.3	3.5%	64.1%	4.3	1.8%	48.9%	2.9	1,8%	3.9	1.8%
	2008	18,812	2.0%	18,812	2.0%		3.3	2.0%	64.1%	4.4	2.0%	48.9%	3.0	2.0%	4.0	2.0%
	2009	19,156	1.8%	19,156	1.8%		3.4	1.8%	64.1%	4.5	1.8%	48.9%	3.0	1.8%	4.0	1.8%
	2010	19,548	2.0%	19,548	2.0%		3.5	2.0%	64.1%	4.6	2.0%	48.9%	3.1	2.0%	4.1	2.0%
	2011	19,948	2.0%	19,948	2.0%		3.6	2.0%	64.1%	4.7	2.0%	48.9%	3.2	2.0%	4.2	2.0%
	2012	20,363	2.1%	20,363	2.1%		3.6	2.1%	64.1%	4.8	2.1%	48.9%	3.2	2.1%	4.3	2.1%
	2013	20,780	2.1%	20,780	2.1%		3.7	2.1%	64.1%	4.9	2.1%	48.9%	3.3	2.1%	4.4	2.1%
þ	2014	21,238	2.2%	21,238	2.2%		3.8	2.2%	64.1%	5.0	2.2%	48.9%	3.4	2.2%	4.5	2.2%
ţ	2015	21,698	2.2%	21,698	2.2%		3.9	2.2%	64.1%	5.1	2.2%	48.9%	3.4	2.2%	4.6	2.2%
Projected	2016	22,163	2.1%	22,163	2.1%		3.9	2.1%	64.1%	5.2	2.1%	48.9%	3.5	2.1%	4.7	2.1%
ā	2017	22,622	2.1%	22,622	2.1%		4.0	2.1%	64.1%	5.3	2.1%	48.9%	3.6	2.1%	4.8	2.1%
	2018	23,086	2.1%	23,086	2.1%		4.1	2.1%	64.1%	5.4	2.1%	48.9%	3.7	2.1%	4.8	2.1%
	2019	23,561	2.1%	23,561	2.1%		4.2	2.1%	64.1%	5.5	2.1%	48.9%	3.7	2.1%	4.9	2.1%
	2020	24,047	2.1%	24,047	2.1%		4.3	2.1%	64.1%	5.6	2.1%	48.9%	3.8	2.1%	5.1	2.1%
	2021	24,551	2.1%	24,551	2.1%		4.4	2.1%	64.1%	5.7	2.1%	48.9%	3.9	2.1%	5.2	2.1%
	2022	25,066	2.1%	25,066	2.1%		4.5	2.1%	64.1%	5.9	2.1%	48.9%	4.0	2.1%	5.3	2.1%
	2023	25,591	2.1%	25,591	2.1%		4.6	2.1%	64.1%	6.0	2.1%	48.9%	4.1	2.1%	5,4	2.1%
	2024	26,125	2.1%	26,125	2.1%		4.7	2.1%	64.1%	6.1	2.1%	48.9%	4.1	2.1%	5.5	2.1%
	2025	26,670	2.1%	26,670	2.1%		4.7	2.1%	64.1%	6.2	2.1%	48.9%	4.2	2.1%	5.6	2.1%
œ	Thru 2005		2.8%		2.8%			3.2%	#N/A		2.7%	48.9%		#N/A		#N/A
AAGR	2006-2015		2.0%		2.0%			2.2%	64.2%		2.0%	48.9%		2.0%		2.0%
∢	2016-2025		2.1%		2.1%			2.1%	64.1%		2.1%	48.9%		2.1%		2.1%

Kenyon Monthly Net Energy Requirements (MWh)

	Year	Jan	Feb	Маг	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
-	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
rg.	1999	#N/A	#N/A	#N/A	#N/A	* #N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
-52	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	1,374	1,234	1,249	1,173	1,200	1,347	1,411	1,477	1,174	1,286	1,325	1,392	15,644	#N/A
Ï	2002	1,383	1,199	1,330	1,245	1,230	1,425	1,716	1,510	1,386	1,392	1,491	1,458	16,765	16,427
	2003	1,499	1,346	1,380	1,303	1,334	1,427	1,622	1,561	1,401	1,454	1,403	1,561	17,292	17,215
	2004	1,509	1,354	1,405	1,284	1,318	1,411	1,576	1,479	1,467	1,449	1,563	1,609	17,424	17,220
	2005	1,540	1,336	1,467	1,319	1,354	1,582	1,668	1,601	1,463	1,503	1,509	1,532	17,874	17,952
-	2006	1,557	1,379	1,455	1,348	1,372	1,533	1,703	1,627	1,467	1,509	1,554	1,610	18,115	17,986
	2007	1,585	1,405	1,482	1,373	1,397	1,561	1,734	1,657	1,493	1,537	1,582	1,639	18,445	18,360
	2008	1,617	1,432	1,511	1,400	1,424	1,592	1,769	1,690	1,523	1,567	1,614	1,672	18,812	18,717
p	2009	1,647	1.459	1,539	1,425	1,450	1,621	1,801	1,721	1,551	1,596	1,643	1,702	19,156	19,067
Projected	2010	1,680	1,489	1,571	1,455	1,480	1,654	1,838	1,756	1,583	1,629	1,677	1,737	19,548	19,447
흥	2011	1,715	1,519	1,603	1,484	1,510	1,688	1,876	1,792	1,615	1,662	1,711	1,772	19,948	19,845
ř	2012	1,750	1,551	1,636	1,515	1,542	1,723	1,915	1,829	1,649	1,697	1,747	1,809	20,363	20,256
	2013	1,786	1,582	1,670	1,546	1,573	1,759	1,954	1,867	1,682	1,731	1,783	1,846	20,780	20,673
	2014	1,826	1,617	1,706	1,580	1,608	1,797	1,997	1,908	1,719	1,770	1,822	1,887	21,238	21,120
	2015	1,865	1,652	1,743	1,615	1,643	1,836	2,040	1,949	1,757	1,808	1,861	1,928	21,698	21,580
	2016	1,905	1,688	1,781	1,649	1,678	1,876	2,084	1,991	1,794	1,847	1,901	1,969	22,163	22,043
	2017	1,944	1,723	1,818	1,683	1,713	1,914	2,127	2,032	1,831	1,885	1,941	2,010	22,622	22,504
	2018	1,984	1,758	1,855	1,718	1,748	1,954	2,171	2,074	1,869	1,923	1,981	2,051	23,086	22,966
Ö	2019	2,025	1,794	1,893	1,753	1,784	1,994	2,215	2,117	1,907	1,963	2,021	2,094	23,561	23,438
Projected	2020	2,067	1,831	1,932	1,789	1,821	2,035	2,261	2,160	1,947	2,004	2,063	2,137	24,047	23,921
oje	2021	2,110	1,869	1,973	1,827	1,859	2,078	2,309	2,206	1,988	2,046	2,106	2,182	24,551	24,421
ď	2022	2,155	1,909	2,014	1,865	1,898	2,121	2,357	2,252	2,029	2,088	2,150	2,227	25,066	24,933
	2023	2,200	1,949	2,056	1,904	1,938	2,166	2,406	2,299	2,072	2,132	2,195	2,274	25,591	25,456
	2024	2,246	1,989	2,099	1,944	1,978	2,211	2,457	2,347	2,115	2,177	2,241	2,321	26,125	25,988
	2025	2,292	2,031	2,143	1,985	2,019	2,257	2,508	2,396	2,159	2,222	2,288	2,370	26,670	26,529

	Year	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	. 1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
10	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Ę	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Historical	2001	8.8%	7.9%	8.0%	7.5%	7.7%	8.6%	9.0%	9.4%	7.5%	8.2%	8.5%	8.9%	100.0%
Î	2002	8.3%	7.2%	7.9%	7.4%	7.3%	8.5%	10.2%	9.0%	8.3%	8.3%	8.9%	8.7%	100.0%
	2003	8.7%	7.8%	8.0%	7.5%	7.7%	8.3%	9.4%	9.0%	8.1%	8.4%	8.1%	9.0%	100.0%
	2004	8.7%	7.8%	8.1%	7.4%	7.6%	8.1%	9.0%	8.5%	8.4%	8.3%	9.0%	9.2%	100.0%
	2005	8.6%	7.5%	8.2%	7.4%	7.6%	8.9%	9.3%	9.0%	8.2%	8.4%	8.4%	8.6%	100.0%
	2006	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
	2007	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
	2008	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
70	2009	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
ij	2010	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
Projected	2011	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
ď	2012	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
	2013	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
	2014	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
	2015	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%
Ė	1996-2005	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
¥	2006-2015	8.6%	7.6%	8.0%	7.4%	7.6%	8.5%	9.4%	9.0%	8.1%	8.3%	8.6%	8.9%	100.0%

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Kenyon Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	#N/A	#NJA												
	1997	#N/A	#N/A												
	1998	#N/A	#N/A												
70	1999	#N/A	#N/A												
Έ	2000	#N/A	#N/A												
Historical	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	3.9	3.7	3.1	3.1	3.0	3.0	#N/A	#N/A
Ŧ	2002	2.6	2.4	2.5	2.5	2.8	3.4	3.7	3.1	3.4	2.7	2.7	2.6	3.0	3.7
	2003	2.6	2.6	2.5	2.5	2.5	3.2	3.5	3.7	3.1	2.8	2.7	2.7	2.7	3.7
	2004	3.0	2.8	2.8	2.7	2.9	3.7	3.8	3.7	3.4	3.1	3.2	3.2	3.0	3.8
	2005	3.0	2.8	2.8	2.8	2.9	3.6	3.7	4.1	3.7	3.1	3.0	3.0	3.2	4.1
	2006	3.2	3.0	3.0	2.9	3.0	3.8	4.2	3.9	3.8	3.3	3.3	3.2	3.2	4.2
	2007	3.2	3.1	3.0	2.9	3.1	3.9	4.3	4.0	3.9	3.3	3.3	3.3	3.3	4.3
	2008	3.3	3.2	3.1	3.0	3.2	4.0	4.4	4.1	4.0	3.4	3.4	3.3	3.3	4.4
Ę.	2009	3.4	3.2	3.2	3.0	3.2	4.0	4.5	4.2	4.0	3.4	3.5	3.4	3.4	4.5
Projected	2010	3.4	3.3	3.2	3.1	3.3	4.1	4.6	4.3	4.1	3.5	3.6	3.5	3.5	4.6
÷	2011	3.5	3.3	3.3	3.2	3.4	4.2	4.7	4.3	4.2	3.6	3.6	3.5	3.6	. 4.7
ď	2012	3.6	3.4	3.4	3.2	3.4	4.3	4.8	4.4	4.3	3.7	3.7	3.6	3.6	4.8
	2013	3.6	3.5	3.4	3.3	3.5	4.4	4.9	4.5	4.4	3.7	3.8	3.7	3.7	4.9
	2014	3.7	3.6	3.5	3.4	3.6	4.5	5.0	4.6	4.5	3.8	3.9	3.8	3.8	5.0
	2015	3.8	3.6	3.6	3.5	3.6	4.6	5.1	4.7	4.6	3.9	3.9	3.8	3.9	5.1
	2016	3.9	3.7	3.7	3.5	3.7	4.7	5.2	4.8	4.7	4.0	4.0	3.9	3.9	5.2
	2017	4.0	8.8	3.7	3.6	3.B	4.B	5.3	4.9	4.8	4.1	4.1	4.0	4.0	5.3
	2018	4.0	3.9	3.8	3.7	3.9	4.9	5,4	5.0	4.9	4.2	4.2	4.1	4.1	5.4
g	2019	4.1	3.9	3.9	3.8	4.0	5.0	5.5	5.1	5.0	4.2	4.3	4.2	4.2	5.5
Projected	2020	4.2	4.0	4.0	3.8	4.0	5.1	5.6	5.2	5.1	4.3	4.4	4.2	4.3	5.6
÷	2021	4.3	4.1	4.0	3.9	4.1	5.2	5.7	5.3	5.2	4.4	4.5	4.3	4.4	5.7
ď	2022	4.4	4.2	4.1	4.0	4.2	5.3	5.9	5.5	5.3	4.5	4.6	4.4	4.5	5.9
	2023	4.5	4.3	4.2	4.1	4.3	5.4	6.0	5.6	5.4	4.6	4.7	4.5	4.6	6.0
	2024	4.6	4.4	4.3	4.2	4.4	5.5	6.1	5.7	5.5	4.7	4.7	4.6	4.7	6.1
	2025	4.7	4.5	4.4	4.2	4.5	5.6	6.2	5.8	5.6	4.8	4.8	4.7	4.7	6.2

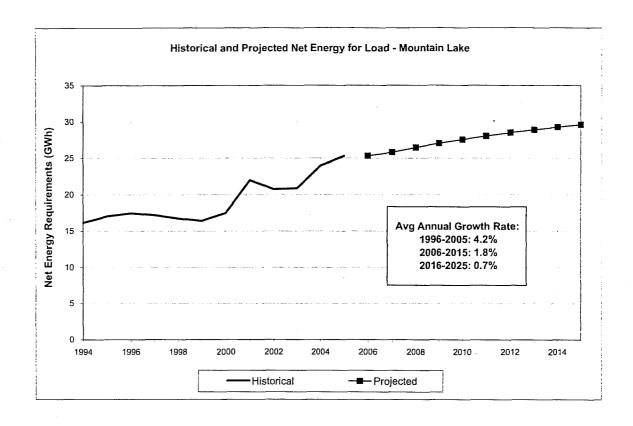
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
-	1999														
유	2000														
Historical	2001							48.6%	54.3%	53.2%	56.4%	61.6%	63.1%		
Ξ	2002	72.0%	72.9%	70.5%	69.3%	59.0%	58.8%	62.3%	66.2%	56.0%	69.8%	76.4%	74.8%	64.0%	51.7%
	2003	78.1%	78.5%	72.9%	73.6%	71.0%	62.7%	62.6%	56.7%	61.9%	70.3%	71.8%	78.1%	72.8%	53.4%
	2004	67.2%	68.8%	67.8%	66.4%	60.6%	53.5%	55.7%	54.1%	59,1%	63.2%	68.6%	66.6%	65.9%	52.3%
	2005	68.8%	71.0%	69.6%	65.5%	63.1%	61.7%	60.9%	52.5%	55.4%	64.6%	71.0%	68.6%	62.8%	49.8%
	2006	66.0%	67.5%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.7%	67.8%	65.2%	48.9%
	2007	66.0%	67.6%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.6%	67.7%	64.1%	48.9%
	2008	66.0%	65.3%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.7%	67.8%	64.1%	48.9%
Ę.	2009	66.0%	67.6%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.6%	67.6%	64.1%	48.9%
Projected	2010	66.0%	67.6%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.6%	67.6%	64,1%	48.9%
ġ.	2011	66.0%	67.6%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.6%	67.6%	64.1%	48.9%
ă.	2012	66.0%	65.3%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.6%	67.6%	64.1%	48.9%
	2013	66.0%	67.6%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.5%	67.5%	64.1%	48.9%
	2014	66.0%	67.6%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.5%	67.6%	64.1%	48.9%
	2015	66.0%	67.6%	65.5%	64.9%	60.6%	55.6%	_54.1%	55.4%	53.2%	62.3%	65.5%	67.6%	64.1%	48.9%
ġ	1996-2005	71.5%	72.8%	70.2%	68.7%	63.4%	59.2%	58.1%	56.8%	57.1%	64.9%	69.9%	70.2%	66.4%	51.8%
á	2006-2015	66.0%	67.1%	65.5%	64.9%	60.6%	55.6%	54.1%	55.4%	53.2%	62.3%	65.6%	67.6%	64.2%	48.9%

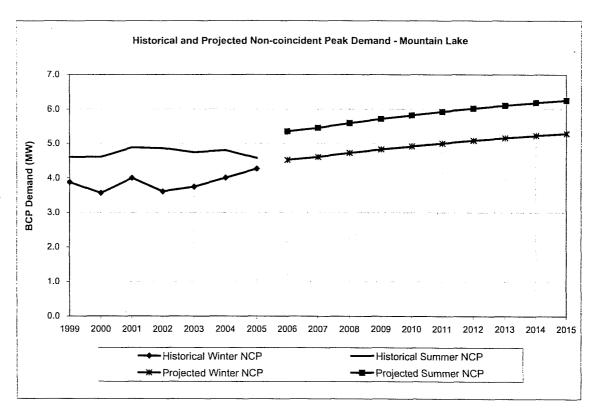
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Kenyon Monthly Coincident-Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Watr Pk	Sumr Pk
	2006	2.9	2.8	2.9	2.8	2.8	3.6	3.8	3.8	3.6	2.9	2.9	2.9	2.9	3.B
	2007	2.9	2.9	2.9	2.8	2.9	3.7	3.9	3.9	3.7	3.0	2.9	2.9	2.9	3.9
	2008	3.0	2.9	3.0	2.9	3.0	3.8	4.0	4.0	3.8	3.0	3.0	3.0	3.0	4.0
cted	2009	3.0	3.0	3.0	3.0	3.0	3.8	4.0	4.0	3.8	3.1	3.0	3.0	3.0	4.0
Ť	2010	3.1	3.0	3.1	3.0	3.1	3.9	4.1	4.1	3.9	3.2	3.1	3.1	3,1	4.1
Proje	2011	3.2	3.1	3.2	3.1	3.1	4.0	4.2	4.2	4.0	3.2	3.1	3.2	3.2	4.2
ď.	2012	3.2	3.2	3,2	3.1	3.2	4.1	4.3	4.3	4.1	3.3	3.2	3.2	3.2	4.3
	2013	3.3	3.2	3.3	3.2	3.3	4.1	4.4	4.4	4.2	3.3	3.3	3.3	3.3	4.4
	2014	3.4	3.3	3.4	3.3	3.3	4.2	4.5	4.5	4.3	3.4	3.4	3.4	3.4	4.5
	2015	3.4	3.4	3.4	3.3	3.4	4.3	4.6	4.6	4.4	3.5	3.4	3.4	3.4	4.6
	2016	3.5	3.5	3.5	3.4	3.5	4.4	4.7	4.7	4.4	3.6	3.5	3.5	3.5	4.7
	2017	3.6	3.5	3.6	3.5	3.6	4.5	4.8	4.8	4.5	3.6	3.6	3.6	3.6	4.8
	2018	3.7	3.6	3.7	3.6	3.6	4.6	4.8	4.9	4.6	3.7	3.6	3.7	3.7	4.8
g	2019	3.7	3.7	3.7	3.6	3.7	4.7	4.9	5.0	4.7	3.8	3.7	3.7	3.7	4.9
11	2020	3.8	3.7	3.8	3.7	3.8	4.8	5.1	. 5.1	4.8	3.9	3.8	3.8	3.8	5.1
Proje	2021	3.9	3.8	3.9	3.8	3.9	4.9	5.2	5.2	4.9	4.0	3.9	3.9	3.9	5.2
ď	2022	4.0	3.9	4.0	3.9	3.9	5.0	5.3	5.3	5.0	4.0	4.0	4.0	4.0	5.3
	2023	4.1	4.0	4.1	3.9	4.0	5.1	5.4	5.4	5.1	4.1	4.0	4.1	4.1	5.4
	2024	4.1	4.1	4.1	4.0 '	4.1	5.2	5.5	5.5	5.2	4.2	4.1	4.1	4.1	5.5
	2025	4.2	4.2	4.2	4.1	4.2	5.3	5.6	5.6	5.3	4.3	4.2	4.2	4.2	5.6

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	90.5%	90.0%
	2007	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86,9%	89.8%	89.0%	90.0%
	2008	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	89.0%	90.0%
7	2009	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	89.0%	90.0%
ţ	2010	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89,6%	86.9%	89.8%	89.0%	90.0%
-	2011	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	89.0%	90.0%
ď.	2012	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	89.0%	90.0%
	2013	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	89.0%	90.0%
	2014	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	89.0%	90.0%
	2015	90.5%	93.0%	96.0%	96.9%	93.5%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	89.0%	90.0%
	2006-2015	90.5%	93.0%	96.0%	96.9%	93.0%	94.5%	90.0%	96.8%	94.9%	89.6%	86.9%	89.8%	89.2%	90.0%





Mountain Lake
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requirem	ents (CY)			Non-	Coincider	nt Peak Dem	and		Со	incident Po	eak Demand	<u> </u>
	,	Actual	Percent	Normalized	Percent	Percent	·Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	17,458	•	17,516	•	0.3%	3.2	•	61.6%	3.8	-	51.8%	#N/A	-	#N/A	-
	1997	17,191	-1.5%	17,243	-1.6%	0.3%	3.4	5.1%	57.7%	3.2	-16.8%	61.3%	#N/A	#N/A	#N/A	#N/A
	1998	16,734	-2.7%	16,700	-3.1%	-0.2%	3.6	5.6%	53.2%	4.3	33.3%	44.8%	#N/A	#N/A	#N/A	#N/A
-	1999	16,393	-2.0%	16,356	-2.1%	-0.2%	3.9	8.0%	48.3%	4.6	8.0%	40.6%	#N/A	#N/A	#N/A	#N/A
Historical	2000	17,517	6.9%	17,514	7.1%	0.0%	3.6	-8.0%	56.1%	4.6	0.0%	43.4%	#N/A	#N/A	#N/A	#N/A
stc	2001	21,991	25.5%	21,825	24.6%	-0.8%	4.0	12.2%	62.8%	4.9	6.0%	51.4%	#N/A	#N/A	#N/A	#N/A
Ï	2002	20,752	-5.6%	20,550	-5.8%	-1.0%	3.6	-9.8%	65.6%	4.9	-0.4%	48.7%	#N/A	#N/A	#N/A	#N/A
	2003	20,866	0.5%	20,739	0.9%	-0.6%	3.7	3.8%	63.6%	4.7	-2.5%	50.3%	#N/A	#N/A	#N/A	#N/A
	2004	23,939	14.7%	24,038	15.9%	0.4%	4.0	7.0%	68.2%	4.8	1.3%	56.9%	#N/A	#N/A	#N/A	#N/A
	2005	25,312	5.7%	25,053	4.2%	-1.0%	4.3	6.5%	67.7%	4.6	-4.7%	63.1%	#N/A	#N/A	#N/A	#N/A
	2006	25,312	0,0%	25,312	1.0%		4.5	5.9%	63.9%	5.3	16.8%	54.1%	4.3	#N/A	5.1	#N/A
	2007	25,806	2.0%	25,806	2.0%		4.6	2.0%	63.9%	5.5	2.0%	54,1%	4.4	2.0%	5.2	2.0%
	2008	26,455	2.5%	26,455	2.5%		4.7	2.5%	63.9%	5.6	2.5%	54.1%	4.5	2.5%	5.4	2.5%
	2009	27,055	2.3%	27,055	2.3%		4.8	2.3%	63. 9 %	5.7	2.3%	54.1%	4.6	2.3%	5.5	2.3%
	2010	27,550	1.8%	27,550	1.8%		4.9	1.8%	63.9%	5.8	1.8%	54.1%	4.7	1.8%	5.6	1.8%
	2011	28,042	1.8%	28,042	1.8%		5.0	1.8%	63.9%	5.9	1.8%	54.1%	4.7	1.8%	5.7	1.8%
	2012	28,499	1.6%	28,499	1.6%		5.1	1.6%	63.9%	6.0	1.6%	54.1%	4.8	1.6%	5.8	1.6%
	2013	28,903	1.4%	28,903	1.4%		5.2	1.4%	63.9%	6.1	1.4%	54.1%	4.9	1.4%	5.9	1.4%
þ	2014	29,272	1.3%	29,272	1.3%		5.2	1.3%	63.9%	6.2	1.3%	54.1%	4.9	1.3%	6.0	1.3%
ğ	2015	29,611	1.2%	29,611	1.2%		5.3	1.2%	63.9%	6.3	1.2%	54.1%	5.0	1.2%	6.0	1.2%
Projected	2016	29,922	1.0%	29,922	1.0%		5.3	1,0%	63.9%	6.3	1.0%	54.1%	5.1	1.0%	. 6.1	1.0%
a.	2017	30,266	1.1%	30,266	1.1%		5.4	1.1%	63.9%	6.4	1.1%	54.1%	5.1	1.1%	6.2	1.1%
	2018	30,553	0.9%	30,553	0.9%		5.5	0.9%	63.9%	6.5	0.9%	54.1%	5.2	0.9%	6.2	0.9%
	2019	30,756	0.7%	30,756	0.7%		5.5	0.7%	63.9%	6.5	0.7%	54.1%	5.2	0.7%	6.3	0.7%
	2020	30,935	0.6%	30,935	0.6%		5.5	0.6%	63.9%	6.5	0.6%	54.1%	5.2	0.6%	6.3	0.6%
	2021	31,081	0.5%	31,081	0.5%		5.5	0.5%	63.9%	6.6	0.5%	54.1%	5.2	0.5%	6.3	0.5%
	2022	31,255	0.6%	31,255	0.6%		5.6	0.6%	63.9%	6.6	0.6%	54.1%	5.3	0.6%	6.4	0.6%
	2023	31,450	0.6%	31,450	0.6%		5.6	0.6%	63.9%	6.6	0.6%	54.1%	5.3	0.6%	6.4	0.6%
	2024	31,607	0.5%	31,607	0.5%		5.6	0,5%	63.9%	6.7	0.5%	54.1%	5.3	0.5%	6.4	0.5%
	2025	31,763	0.5%	31,763	0.5%		5.7	0.5%	63.9%	6.7	0.5%	54.1%	5.4	0.5%	6.5	0.5%
Œ	Thru 2005		4.2%		4.1%			3.1%	60.5%		2.0%	51.2%		#N/A		#N/A
AAGR	2006-2015		1.8%		1.8%			1.8%	63.9%		1.8%	54.1%		1.8%		1.8%
٩	2016-2025		0.7%		0.7%			0.7%	63.9%		0.7%	54.1%		0.7%		0.7%

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Mount: Jonthly Net Energy

FY Total	W/N#	#N/A	#N/A	#N/A	#N/A	#N/A	W/N#	20.774	23.007	25,227	25,216	25,683	26,293	26,905	27,426	27,919	28,384	28.802	29,179	29.527	29,845	30,180	30,482	30,705	30,890	31,044	31,211	31,401	31,568	A1 79A
CY Total F	#N/A	¥/N#	V/N#	#N/A	#N/A	#N/A	20,752	20,866	23,939	25,312	25,312	25,806	26,455	27,055	27,550	28,042	28,499	28,903	29,272	29,611	29,922	30,266	30,553	30,756	30,935	31,081	31,255	31,450	31,607	11 763
Dec	∀/N#	#N/A	#N/A	#N/A	#N/A	#N/A	1,738	1,828	2,262	2,231	2,240	2,284	2,341	2,394	2,438	2,482	2,522	2,558	2,591	2,621	2,648	2,679	2,704	2,722	2,738	2,751	2,766	2,783	2,797	9 811
Nov	#N/A	#N/A	#N/A	#N/W	#N/A	A/N#	1,694	1,680	1,923	2,003	2,035	2,075	2,127	2,175	2,215	2,255	2,292	2,324	2,354	2,381	2,406	2,434	2,457	2,473	2,487	2,499	2,513	2,529	2,541	2 55.4
5	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	1,693	1,709	1,965	2,000	2,054	2,094	2,147	2,195	2,235	2,275	2,312	2,345	2,375	2,403	2,428	2,456	2,479	2,496	2,510	2,522	2,536	2,552	2,565	5 577
Sep	W/V#	#N/A	#N/A	#N/A	#N/A	W/N#	1,648	1,646	1,928	1,979	2,006	2,046	2,097	2,145	2,184	2,223	2,259	2,291	2,320	2,347	2,372	2,399	2,422	2,438	2,452	2,464	2,477	2,493	2,505	2512
Aug	W/W#	#N/A	#N/A	#N/¥	#N/A	#N/A	1,864	2,023	2,021	2,234	2,275	2,319	2,377	2,431	2,476	2,520	2,561	2,597	2,631	2,661	2,689	2,720	2,746	2,764	2,780	2,793	2,809	2,826	2,840	2 854
100	#N/A	#N/A	4/V#	#N/A	#N/A	#N/A	2,190	2,006	2,210	2,421	2,465	2,513	2,577	2,635	2,683	2,731	2,776	2,815	2,851	2,884	2,914	2,948	2.976	2,996	3,013	3,027	3,044	3,063	3,078	700 E
uns	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	1,832	1,686	1,902	2,174	2,116	2,157	2,212	2,262	2,303	2,344	2,383	2.416	2,447	2,476	2,502	2,530	2,554	2,571	2,586	2,598	2,613	2,629	2,642	2.656
May	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	1,606	1,562	1,855	1,925	1,935	1,973	2,022	2,068	2,106	2,144	2,178	2,209	2.238	2,264	2,287	2,314	2,336	2,351	2,365	2,376	2,389	2,404	2,416	2.428
200	¥/N#	#N/A	#N/A	#N/A	#N/A	∀/N#	1,577	1,563	1,804	1,872	1,900	1,937	1,986	2,031	2,068	2,105	2,139	2,169	2,197	2,223	2,246	2.272	2,293	2,308	2,322	2,333	2,346	2,361	2,372	2.384
Mat	#N/A	∀/N#	#N/A	#N/A	#N/A	#N/A	1,699	1,668	1,946	2,113	2,067	2,107	2,160	2,209	2,249	2,290	2,327	2,360	2,390	2.418	2,443	2,471	2,495	2,511	2,526	2,538	2,552	2,568	2,581	2.593
1	4/V#	#N/A	W/N#	#N/#	#N/A	#N/¥	1,493	1,645	1,942	1,967	1,959	1,997	2.047	2,094	2,132	2,170	2,206	2,237	2,265	2.292	2,316	2,342	2,365	2,380	2,394	2,405	2,419	2,434	2,446	2,458
100	#N/A	V/N#	#N/A	#N/W	#N/A	#N/A	1,718	1,849	2,182	2,393	2,260	2,304	2,362	2,415	2,459	2,503	2,544	2.580	2,613	2,643	2,671	2,702	2,727	2,746	2,762	2.775	2.790	2,808	2,822	2,835
100	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	5013	2014	SU15	2016	2017	2018	5018	2020	2021	2022	2023	2024	5052
'	Historical												ı	pəį	эə	ro]	d			i			ı	pə	Də,	roj	ď			

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Mountain Lake Monthly Non-Coincident Peak Demand (MW)

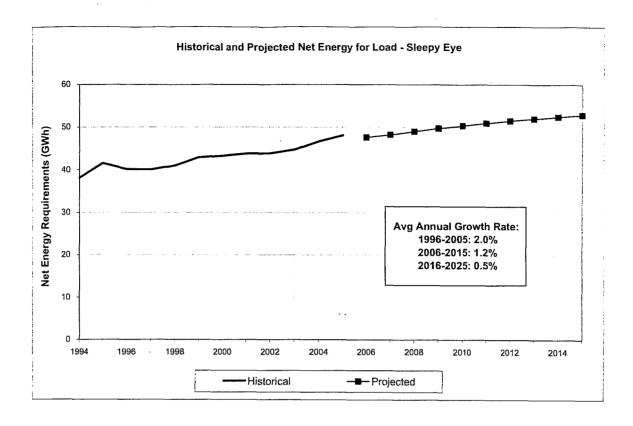
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
70	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Ë	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Historical	2001	#N/A	#N/A	#N/A	#N/A	#N/A	4.6	4.7	4.9	3.9	3,2	3.5	3.6	#N/A	#N/A
Ĩ	2002	3.5	3.4	3.4	3.3	3.7	4.8	4.9	4.4	4.2	3.4	3.4	3.6	3.6	4.9
	2003	3.7	3.7	3.5	3.4	3.2	4.2	4.5	4.7	3.9	3.4	3.5	3.6	3.7	4.7
	2004	4.0	3.7	3.5	3.3	3.3	4.2	4.8	4.4	4.3	. 3.5	3.6	4.3	4.0	4.8
	2005	4.0	3.8	3,7	3.3	3.4	4.6	4.6	4.6	3.9	<u> </u>	3.7	3.9	4.3	4.6
	2006	4.5	4.2	4.0	3.7	3.8	4.9	5.3	5.1	4.5	4,0	4.2	4.4	4.5	5.3
	2007	4.6	4.3	4.1	3.8	3.9	5.0	5.5	5.2	4.6	4.1	4.3	4.5	4.6	5.5
	2008	4.7	4.4	4.2	3.9	4.0	5.1	5.6	5.4	4.7	4.2	4.4	4.6	4.7	5.6
e G	2009	4.8	4.5	4.3	3.9	4.1	5.2	5.7	5.5	4.9	4.3	4.4	4.7	4.8	5.7
Projected	2010	4.9	4.6	4.4	4.0	4.2	5.3	5.8	5.6	4.9	4.4	4.5	4.8	4.9	5.8
ě	2011	5.0	4.6	4.5	4.1	4.2	5.4	5.9	5.7	5.0	4.4	4.6	4.9	5,0	5.9
ď	2012	5.1	4.7	4.5	4.2	4.3	5.5	6.0	5.8	5.1	4.5	4.7	4.9	5.1	6.0
	2013	5.2	4.8	4.6	4.2	4.4	5.6	6.1	5.9	5.2	4.6	4.7	5.0	5.2	6.1
	2014	5.2	4.8	4.7	4.3	4.4	5.7	6.2	5.9	5.3	4.6	4.8	5.1	5.2	6.2
	2015	5.3	4.9	4.7	4.3	4.5	5.7	6.3	6.0	5.3	4.7	4.8	5.1	5.3	6.3
	2016	5.3	5.0	4.8	4.4	4.5	5.8	6.3	6.1	5.4	4.7	4.9	5.2	5.3	6.3
	2017	5.4	5.0	4.8	4.4	4.6	5.9	6.4	6.1	5.4	4.8	4.9	5.2	5.4	6.4
	2018	5.5	5.1	4.9	4.5	4.6	5.9	6.5	6.2	5.5	4.8	5.0	5.3	5.5	6.5
D.	2019	5.5	5.1	4.9	4.5	4.6	6.0	6.5	6.2	5.5	4.9	5.0	5.3	5.5	6.5
Projected	2020	5,5	5.1	4.9	4.5	4.7	6.0	6.5	6.3	5.6	4.9	5.0	5.3	5.5	6.5
Ġ	2021	5.5	5.1	4.9	4.5	• 4.7	6.0	6.6	6.3	5.6	4,9	5.0	5.3	5.5	6.6
₫.	2022	5.6	5.2	5.0	4.6	4.7	6.1	6.6	6.3	5.6	4.9	5.1	5.4	5.6	6.6
	2023	5.6	5.2	5.0	4.6	4.7	6.1	6.6	6.4	5.6	5.0	5.1	5.4	5.6	6.6
	2024	5,6	5.2	5.0	4.6	4.8	6.1	6.7	6.4	5.7	5.0	5.1	5.4	5.6	6.7
	2025	5.7	5.3	5.0	4.6	4.8	6.2	6.7	6.4	5.7	5,0	5.1	5.5	5.7	6.7

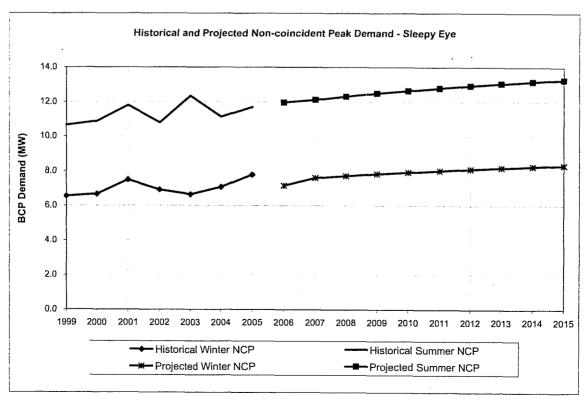
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
ā	1999														
Ę	2000														
Historical	2001														
Ξ	2002	65.4%	65.0%	66.3%	65.5%	58.0%	53.5%	60.5%	56.5%	54.5%	66.0%	69.0%	65.1%	65.6%	48.7%
	2003	66.4%	65.8%	64.1%	64.4%	66.2%	56.4%	59.6%	57.4%	59.3%	67.7%	66.5%	67.4%	63.6%	50.3%
	2004	73.2%	74.5%	75.2%	77.0%	75.9%	62.9%	61.8%	62.1%	62.8%	75.4%	73.8%	71.2%	68.2%	56.9%
	2005	79.5%	76.7%	77.4%	78.0%	75.4%	66.3%	71,1%	65.6%	70.8%	74.8%	74.3%	76.9%	67.7%	63.1%
	2006	67.2%	69.6%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	67.9%	68.3%	63.9%	54.1%
	2007	67.2%	69.6%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	67.6%	67.9%	63.9%	54.1%
	2008	67.2%	67.2%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	67.7%	68.1%	63.9%	54.1%
'g	2009	67.2%	69.6%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	68.0%	68.4%	63.9%	54.1%
Projected	2010	67.2%	69.6%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	68.1%	68.4%	63.9%	54.1%
픙	2011	67.2%	69.6%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	68.2%	68.5%	63.9%	54.1%
4	2012	67.2%	67.2%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	68.3%	68.7%	63.9%	54.1%
	2013	67.2%	69.6%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	68.4%	68.8%	63.9%	54.1%
	2014	67.2%	69.6%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	68.5%	68.8%	63.9%	54.1%
	2015	67.2%	69.6%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	68.6%	68.9%	63.9%	54.1%
Š	1996-2005	71.1%	70.5%	70.7%	71.2%	68.9%	59.8%	63.3%	60.4%	61.8%	71.0%	70.9%	70.2%	66.3%	54.8%
á	2006-2015	67.2%	69.1%	69.0%	71.5%	68.2%	59.9%	62.0%	59.5%	61.3%	69.0%	68.1%	68.5%	63.9%	54.1%

Mountain Lake Monthly Coincident-Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jui	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	4.3	4.0	3.8	3.5	3.7	4.7	5.1	5.0	4.4	3,8	4.0	4.3	4.3	5.1
	2007	4.4	4.1	3.8	3.6	3.7	4.8	5.2	5.1	4.5	3.9	4.1	4.4	4.4	5.2
	2008	4.5	4.2	3.9	3.7	3.8	4.9	5.4	5.2	4.6	4.0	4.2	4.5	4.5	5.4
7	2009	4.6	4.3	4.0	3.8	3.9	5.0	5.5	5.3	4.7	4.1	4.2	4.6	4.6	5.5
çte	2010	4.7	4.4	4.1	3.9	4.0	5.1	5.6	5.4	4.8	4.2	4.3	4.7	4.7	5.6
roje	2011	4.7	4.5	4.2	3.9	4.1	5.2	5.7	5.5	4.9	4.2	4.4	4.7	4.7	5.7
ď.	2012	4.8	4.5	4.2	4.0	4.1	5.3	5.8	5.6	5.0	4.3	4.4	4.8	4.8	5.8
	2013	4.9	4.6	4.3	4.1	4.2	5.4	5.9	5.7	5.0	4.4	4.5	4.9	4.9	5.9
	2014	4.9	4.7	4.3	4.1	4.2	5.5	6.0	5.7	5.1	4.4	4.5	4.9	4.9	6.0
	2015	5.0	4.7	4.4	4.2	4.3	5.5	6.0	5.8	5.2	4.5	4.6	5.0	5.0	6.0
	2016	5.1	4.8	4.4	4.2	4.3	5.6	6.1	5.9	5.2	4.5	4.7	5.0	5.1	6.1
	2017	5.1	4.8	4.5	4.2	4.4	5.6	6.2	5.9	5.3	4.6	4.7	5.1	5.1	6.2
	2018	5.2	4.9	4.5	4.3	4.4	5.7	6.2	. 6.0	5.3	4.6	4.7	5.1	5.2	6.2
ed	2019	5.2	4.9	4.6	4.3	4.5	5.7	6.3	6.0	5.4	4.7	4.8	5.2	5.2	6.3
ŭ	2020	5.2	4.9	4.6	4.3	4.5	5.8	6.3	6.1	5.4	4.7	4.8	5.2	5.2	6.3
픙	2021	5.2	4.9	4.6	4.4	4.5	5.8	6.3	6.1	5.4	4.7	4.8	5.2	5.2	6.3
ď.	2022	5.3	5.0	4.6	4,4	4.5	5.8	6.4	6.1	5.4	4.7	4.8	5.2	5.3	6.4
	2023	5.3	5.0	4.7	4.4	4.6	5.9	6.4	6.2	5.5	4.8	4.9	5,3	5.3	6.4
	2024	5.3	5.0	4.7	4.4	4.6	5.9	6.4	6.2	5.5	4.8	4.9	5.3	5.3	6.4
_	2025	5.4	5.1	4.7	4.5	4.6	5.9	6.5	6.2	5.5	4.8	4.9	5.3	5.4	6.5

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96,3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
	2007	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
	2008	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
2	2009	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
ថ្ល	2010	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
Ö	2011	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
ď	2012	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
	2013	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
	2014	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
	2015	94.6%	96.1%	93.4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%
	2006-2015	94.6%	96.1%	93,4%	96.2%	96.1%	96.3%	96.3%	96.6%	97.0%	95.8%	95.3%	97.5%	94.6%	96.3%





Sleepy Eye Historical and Projected Net Energy Requirements and Peak Demand

			Net Energy	y Requireme	ents (CY)			Non-	Coincider	nt Peak Dem	and		Co	incident Pe	eak Demand	1
		Actual	Percent	Normalized			Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	40,162	-	40,132	-	-0.1%	7.3	-	62.8%	9.7	-	47.3%	#N/A	-	#N/A	
	1997	40,051	-0.3%	40,315	0.5%	0.7%	6.3	-13.2%	72.2%	10.0	2.9%	45.8%	#N/A	#N/A	#N/A	
	1998	40,988	2.3%	41,558	3.1%	1.4%	6.8	7.2%	68.9%	10.3	3.0%	45.5%	#N/A	#N/A	#N/A	
ā	1999	42,949	4.8%	43,341	4.3%	0.9%	6.5	-3.6%	74.9%	10.6	3.5%	46.1%	#N/A	#N/A	#N/A	
ř	2000	43,274	0.8%	43,549	0.5%	0.6%	6,7	1.8%	74.2%	10.9	2.1%	45.5%	#N/A	#N/A	#N/A	#N/A
Historical	2001	43,807	1.2%	43,398	-0.3%	-0.9%	7.5	12.5%	66.7%	11.8	8.6%	42.4%	#N/A	#N/A	#N/A	#N/A
r	2002	43,876	0.2%	43,034	-0.8%	-1.9%	6.9	-7.8%	72.5%	10.8	-8.6%	46.4%	#N/A	#N/A	#N/A	#N/A
	2003	44,750	2.0%	44,261	2.9%	-1.1%	. 6.6	-4.0%	77.0%	12.3	14.4%	41.4%	#N/A	#N/A	#N/A	#N/A
	2004	46,712	4.4%	47,636	7.6%	2.0%	7.1	6.7%	75.4%	11.1	-9.8%	47.9%	#N/A	#N/A	#N/A	#N/A
	2005	48,119	3.0%	47,433	-0.4%	-1.4%	7.8	10.0%	70.6%	11.7	5.0%	47.0%	#N/A	#N/A	#N/A	#N/A
	2006	47,653	-1.0%	47,653	0.5%		7.2	-8.1%	76.0%	12.0	2.3%	45.5%	6.6	#N/A	10.4	#N/A
	2007	48,266	1.3%	48,266	1.3%		7.6	6.2%	72.5%	12.1	1.3%	45.5%	6.7	1.3%	10.5	1.3%
	2008	49,040	1.6%	49,040	1.6%		7.7	1,6%	72.5%	12.3	1.6%	45.5%	6.8	1.6%	10.7	1.6%
	2009	49,763	1.5%	49,763	1.5%		7.8	1.5%	72.5%	12.5	1.5%	45.5%	6.9	1.5%	10.8	1.5%
	2010	50,365	1.2%	50,365	1.2%		7.9	1.2%	72.5%	12.6	1.2%	45.5%	7.0	1.2%	11.0	1.2%
	2011	50,959	1.2%	50,959	1.2%		8.0	1.2%	72.5%	12.8	1.2%	45.5%	7.0	1.2%	11.1	1.2%
	2012	51,509	1.1%	51,509	1.1%		8.1	1.1%	72.5%	12.9	1.1%	45.5%	7.1	1.1%	11.2	1.1%
	2013	51,996	0.9%	51,996	0.9%		8.2	0.9%	72.5%	13.0	0.9%	45.5%	7.2	0.9%	11.3	0.9%
Ď	2014	52,458	0.9%	52,458	0.9%		8.3	0.9%	72.5%	13.2	0.9%	45.5%	7.3	0.9%	11.4	0.9%
ç	2015	52,891	0.8%	52,891	0.8%		8.3	0.8%	72.5%	13.3	0.8%	45.5%	7.3	0.8%	11.5	0.8%
Projected	2016	53,299	0.8%	53,299	0.8%		8.4	0.8%	72.5%	13.4	0.8%	45.5%	7.4	0.8%	11.6	0.8%
ā.	2017	53,733	0.8%	53,733	0.8%		8.5	0.8%	72.5%	13.5	0.8%	45.5%	7.4	0.8%	11.7	0.8%
	2018	54,095	0.7%	54,095	0.7%		8.5	0.7%	72.5%	13.6	0.7%	45.5%	7.5	0.7%	11.8	0.7%
	2019	54,370	0.5%	54,370	0.5%		8.6	0,5%	72.5%	13.6	0.5%	45.5%	7.5	0.5%	11.9	0.5%
	2020	54,625	0.5%	54,625	0.5%		8.6	0.5%	72.5%	13.7	0.5%	45.5%	7.6	0.5%	11.9	0.5%
	2021	54,850	0.4%	54,850	0.4%		8.6	0.4%	72.5%	13.8	0.4%	45.5%	7.6	0.4%	12.0	0.4%
	2022	55,108	0.5%	55,108	0.5%		8.7	0.5%	72.5%	13.8	0.5%	45.5%	7.6	0.5%	12.0	0.5%
	2023	55,384	0.5%	55,384	0.5%		8.7	0.5%	72.5%	13.9	0.5%	45.5%	7.7	0.5%	12.1	0.5%
	2024	55,613	0.4%	55,613	0.4%		8.8	0.4%	72.5%	14.0	0.4%	45.5%	7.7	0.4%	12.1	0.4%
_	2025	55,842	0.4%	55,842	0.4%		8.8	0.4%	72.5%	14.0	0.4%	45.5%	7.7	0.4%	12.2	0.4%
œ.	Thru 2005		2.0%		1.9%			0.7%	71.5%		2.1%	45.5%		#N/A		#N/A
AAGR	2006-2015		1.2%		1.2%			1.7%	72.9%		1.2%	45.5%		1.2%		1.2%
⋖	2016-2025		0.5%		0.5%			0.5%	72.5%		0.5%	45.5%		0.5%		0.5%

Sleepy Eye Monthly Net Energy Requirements (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
	1996	#N/A	#N/A												
	1997	#N/A	#N/A												
	1998	#N/A	#N/A												
펹	1999	#N/A	#N/A												
Historical	2000	#N/A	#N/A												
stc	2001	#N/A	#N/A												
Ξ	2002	3,094	2,741	3,022	2,843	3,081	3,984	5,088	4,983	4,518	3,685	3,442	3,394	43,876	#N/A
	2003	3,423	3,063	3,242	2,825	2,738	3,660	4,892	5,406	4,514	3,822	3,538	3,627	44,750	44,285
	2004	3,525	3,019	2,560	2,944	3,383	3,865	4,999	4,714	5,220	4,547	3,804	4,132	46,712	45,216
	2005	3,514	2,986	3,226	3,100	3,261	4,441	5,332	5,555	5,091	4,177	3,788	3,648	48,119	48,989
	2006	3,520	3,069	3,136	3,042	3,236	4,141	5,279	5,370	5,020	4,212	3,784	3,844	47,653	47,425
	2007	3,565	3,108	3,176	3,082	3,277	4,195	5,347	5,439	5,085	4,266	3,833	3,893	48,266	48,113
	2008	3,623	3,158	3,227	3,131	3,330	4,262	5,433	5,526	5,166	4,334	3,895	3,956	49,040	48,848
Projected	2009	3,676	3,205	3,274	3,177	3,379	4,325	5,513	5,607	5,243	4,398	3,952	4,014	49,763	49,583
g	2010	3,721	3,243	3,314	3,216	3,420	4,377	5,579	5,675	5,306	4,451	4,000	4,063	50,365	50,215
5	2011	3,764	3,282	3,353	3,254	3,460	4,429	5,645	5,742	5,369	4,504	4,047	4,111	50,959	50,812
Д.	2012	3,805	3,317	3,389	3,289	3,497	4,477	5,706	5,804	5,427	4,552	4,091	4,155	51,509	51,373
	2013	3,841	3,348	3,421	3,320	3,530	4,519	5,760	5,859	5,478	4,595	4,129	4,194	51,996	51,875
	2014	3,875	3,378	3,452	3.349	3,562	4,559	5,811	5,911	5,527	4,636	4,166	4,232	52,458	52,343
-	2015	3,907	3,406	3,480	3,377	3,591	4,597	5,859	5,960	5,572	4,675	4,200	4,267	52,891	52,783
	2016	3,937	3,432	3,507	3,403	3,619	4,632	5,904	6,006	5,615	4,711	4,233	4,300	53,299	53,198
	2017	3,969	3,460	3,536	3,431	3,648	4,670	5,952	6,055	5,661	4,749	4,267	4,334	53,733	53,625
_	2018	3,996	3,484	3,559	3,454	3,673	4,701	5,993	6,096	5,699	4,781	4,296	4,364	54,095	54,005
2	2019	4,016	3,501	3,577	3,471	3,692	4,725	6,023	6,126	5,728	4,805	4,318	4,386	54,370	54,301
Projected	2020	4,035	3,518	3,594	3,488	3,709	4,747	6,051	6,155	5,755	4,828	4,338	4,406	54,625	54,561
<u>5</u>	2021	4,052	3,532	3,609	3,502	3,724	4,767	6,076	6,181	5,779	4,848	4,356	4,425	54,850	54,794
a.	2022	4,071	3,549	3,626	3,518	3,742	4,789	6,105	6,210	5,806	4,871	4,376	4,445	55,108	55,044
	2023 2024	4,091	3,567	3,644	3,536	3,761	4,813	6,135	6,241	5,835	4,895	4,398	4,468	55,384	55,315
	2024	4,108	3,581	3,659	3,551	3,776	4,833	6,161	6,267	5,859	4,915	4,417	4,486	55,613	55,556
-	2023	4,125	3,596	3,674	3,565	3,792	4,853	6,186	6,292	5,883	4,935	4,435	4,505	55,842	55,785

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
79	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Historical	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
şç	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Ξ	2002	7.1%	6.2%	6.9%	6.5%	7.0%	9.1%	11.6%	11.4%	10.3%	8.4%	7.8%	7.7%	100.0%
	2003	7.6%	6.8%	7.2%	6.3%	6.1%	8.2%	10.9%	12.1%	10.1%	8.5%	7.9%	8.1%	100.0%
	2004	7.5%	6.5%	5.5%	6.3%	7.2%	8.3%	10.7%	10.1%	11.2%	9.7%	8.1%	8.8%	100.0%
	2005	7.3%	6.2%	6.7%	6.4%	6.8%	9.2%	11.1%	11.5%	10.6%	8.7%	7.9%	7.6%	100.0%
	2006	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
	2007	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
	2008	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
2	2009	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
ñ	2010	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
Ö	2011	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
ř	2012	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	. 8.8%	7.9%	8.1%	100.0%
	2013	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
	2014	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
	2015	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%
įά	1996-2005	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
á	2006-2015	7.4%	6.4%	6.6%	6.4%	6.8%	8.7%	11.1%	11.3%	10.5%	8.8%	7.9%	8.1%	100.0%

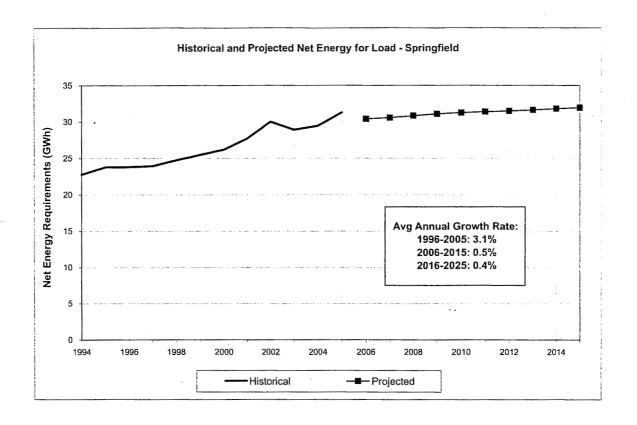
Sleepy Eye Monthly Non-Coincident Peak Demand (MW)

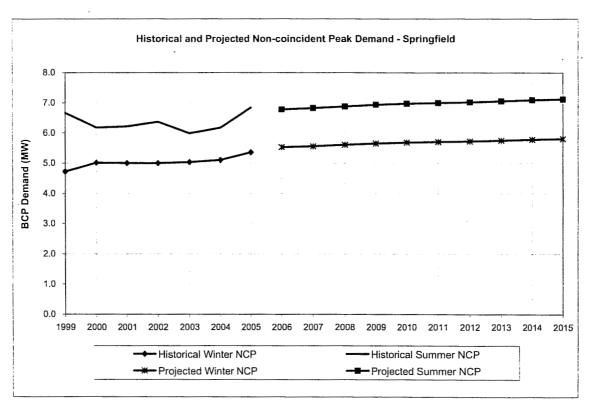
	Year 1996	Jan #N/A	Feb #N/A	Mar #N/A	Apr #N/A	May #N/A	Jun #N/A	Jul #N/A	Aug #N/A	Sep #N/A	Oct_	Nov #N/A	Dec #N/A	Wntr Pk #N/A	Sumr Pk #N/A
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A								
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A								
=	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A								
Ë	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A								
Historical	2001	#N/A	#N/A	#N/A	#N/A	#N/A	9.9	10.6	11.8	9.0	6.8	6.9	6.7	#N/A	#N/A
ž	2002	5.9	5.9	5.9	6.4	7.4	9.9	10.2	10.6	10.8	6.7	6.5	6.5	6.9	10.8
	2003	6.6	6.4	6.1	6.0	6.6	9.0	10.0	12.3	10.2	7.6	6.9	7.1	6.6	12.3
	2004	6.9	6.7	6.3	6.8	7.3	9.9	11.1	10.1	11.1	8.8	7.6	7.8	7.1	11.1
	2005	6.8	6.3	6.2	6.3	6.5	11.0	11.2	11.7	10.5	8.0	7.0	7.2	7.8	11,7
	2006	7,0	6.7	6.5	6.7	7.1	10.3	10.8	12.0	11.2	8.3	7.6	7.6	7.2	12.0
	2007	7.1	6.8	6.6	6.7	7.2	10.4	10.9	12.1	11.4	8.4	7.7	7.7	7.6	12.1
	2008	7.2	6.9	6.7	6.9	7.3	10.6	11.1	12.3	11.6	8.5	7.8	7.8	7.7	12.3
g	2009	7.3	7.0	6.8	7.0	7.4	10.7	11.3	12.5	11.7	8.7	7.9	7.9	7.8	12.5
Projected	2010	7.4	7.1	6.9	7.0	7.5	10.8	11.4	12.6	11.9	8.8	8.0	8.0	7.9	12.6
ĕ	2011	7.5	7.2	7.0	7.1	7.6	11.0	11.5	12.8	12.0	8.9	8.1	8.1	8.0	12.8
ď.	2012	7.5	7.3	7.0	7.2	7.7	11.1	11.7	12.9	12.1	9.0	8.2	8.2	8.1	12.9
	2013	7.6	7.3	7.1	7.3	7.7	11.2	11.8	13.0	12.3	9.1	8.3	8.3	8.2	13.0
	2014	7.7	7.4	7.2	7.3	7.8	11.3	11.9	13.2	12.4	9.1	8.3	8.3	8.3	13.2
	2015	7.7	7.5	7.2	7.4	7.9	11.4	12.0	13.3	12.5	9.2	8.4	8.4	8.3	13.3
	2016	7.8	7.5	7.3	7.5	7.9	11.5	12.1	13.4	12.6	. 9.3	8.5	8.5	8.4	13.4
	2017	7.9	7.6	7.3	7.5	8.0	11.6	12.2	13.5	12.7	9.4	8.5	8.5	8.5	13.5
	2018	7.9	7.6	7.4	7.6	8.0	11.7	12.3	13.6	12.8	9.4	8.6	8.6	8.5	13.6
5	2019	8.0	7.7	7.4	7.6	8.1	11.7	12.3	13.6	12.8	9.5	8.6	8.6	8.6	13.6
Projected	2020	8.0	7.7	7.5	7.6	8.1	11.8	12.4	13.7	12.9	9.5	8.6	8.6	8.6	13.7
ē	2021	8.0	7.7	7.5	7.7	8.1	11.8	12.4	13.8	12.9	9.6	8.7	8.7	8.6	13.8
<u>a</u>	2022	8.1	7.8	7.5	7.7	8.2	11.9	12.5	13.8	13.0	9.6	8.7	8.7	8.7	13.8
	2023	8.1	7.8	7.6	7.7	8.2	11.9	12.5	13,9	13.1	9.6	8.8	8.8	8.7	13.9
	2024	8.1	7.8	7.6	7.8	8.3	12.0	12.6	14.0	13.1	9.7	8.8	8.8	8.8	14.0
	2025	8.2	7.9	7.6	7.8	8.3	12.0	12.6	14.0	13.2	9.7	8.8	8.8	8.8	14.0

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996								nug	ОСР		1101	500	WILL I K	Juni PK
	1997														
	1998														
76	1999														
윤	2000														
Historical	2001														
Ĩ	2002	70.9%	69.1%	68.4%	62.2%	56.0%	55.8%	66.9%	63.2%	58.2%	74.4%	73.1%	69.8%	72.5%	46.4%
	2003	69.4%	71.7%	71.6%	65.0%	56.0%	56.2%	65.7%	58.9%	61.7%	67.4%	71.0%	68.9%	77.0%	41.4%
	2004	68.8%	65.1%	54.8%	60.5%	61.9%	54.5%	60.7%	62.5%	65.1%	69.7%	69.9%	71.3%	75.4%	47.9%
	2005	69.9%	70.2%	69.4%	67.8%	67.2%	56.1%	64.1%	63.9%	67.5%	70.1%	75.0%	68.5%	70.6%	47.0%
	2006	67.8%	67.9%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.2%	68.0%	76.0%	45.5%
	2007	67.8%	67.9%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.0%	67.8%	72.5%	45.5%
	2008	67.8%	65.6%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68,2%	69.1%	67.9%	72.5%	45.5%
ed	2009	67.8%	67.9%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.3%	68.1%	72.5%	45.5%
ដ្ឋ	2010	67.8%	67.9%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.3%	68.1%	72,5%	45.5%
Projected	2011	67.8%	67.9%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.4%	68.2%	72.5%	45.5%
ã	2012	67.8%	65.6%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.4%	68.3%	72.5%	45.5%
	2013	67.8%	67.9%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.5%	68.3%	72.5%	45.5%
	2014	67.8%	67.9%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.5%	68.3%	72.5%	45.5%
	2015	67.8%	67.9%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.6%	68.4%	72.5%	45.5%
Avg.	1996-2005	69.8%	69.0%	66,1%	63.9%	60.3%	55.7%	64.3%	62.1%	63.1%	70.4%	72.2%	69.7%	73.9%	45.7%
Æ	2006-2015	67.8%	67.4%	64.7%	63.4%	61.4%	56.0%	65.7%	60.3%	62.1%	68.2%	69.3%	68.1%	72.9%	45.5%

	Sumr Pk	10.4	10.5	10.7	10.8	11.0	1.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9	12.0	12.0	12,1	12.1	12.2		Sumr Pk	86.8%	86.8%	86.8%	86.8%	86.8%	86.8%	86.8%	86.8%	86.8%	00.070	86.8%
	H	6.6	6.7	6,8	6.9	7.0	7.0	7.1	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6	7.6	9.7	7.7	7.7	7.7		Wntr Pk S	92.1%	87.9%	87.9%	87.9%	87.9%	87.9%	87.9%	87.9%	87.9%	07.570	88.3%
	Dec	7.3	7.5	9.7	7.7	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.5	8.5	8.5		Dec	%9.96	%9.96	89.96	%9.96	%9.96	96.6%	96.6%	96.6%	96.6%	90.0%	96.6%
	Nov	7.4	7.5	9.7	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.3	8,4	8.4	8.4	8.5	8.5	8.6		Nov	92.0%	%0.76	%0′.26	97.0%	97.0%	97.0%	97.0%	97.0%	97.0%	97.0%	92.0%
	Oct	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.6	8.7	8.8	8.9	6.9	9.0	9.0	9.0	9.1	9.1	9.2	9.5		Oct	94.6%	94.6%	94.6%	94.6%	94.6%	94.6%	94.6%	94.6%	94.6%	94.6%	94.6%
(MW)	Sep	11.0	1.1	11.3	11.5	11.6	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	s	Sep	95.9%	97.9%	97.9%	85.9%	97.9%	97.9%	97.9%	97.9%	97.9%	97.9%	97.9%
Sieepy Eye Monthly Coincident-Peak Demand (MW)	Aug	11.9	12.1	12.3	12.5	12.6	12.8	12.9	13.0	13.1	13.2	13.3	13.5	13.5	13.6	13.7	13.7	13.8	13.9	13.9	14.0	Monthly Coincidence Factors	Aug	99.8%	99.8%	99.8%	89.68	89.8%	89.8%	89.66	89.8%	8.66	99.8%	99.8%
Sleepy Eye cident-Peak D	Jul	10.4	10.5	10.7	10.8	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9	12.0	12.0	12.1	12.1	12.2	oinciden	Juc	96.2%	96.2%	96.2%	96.2%	96.2%	96.2%	96.2%	96.2%	96.2%	96.2%	96.2%
Si ly Coinci	Jun	10.1	10.2	10.4	10.5	10.6	10.8	10.9	11.0	#:1	11.2	11.3	11.3	11.4	11.5	11.5	11.6	11.6	11.7	11.7	1.8	fonthly C	Jun	98.0%	98.0%	98.0%	%0.86	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%	88.0%
Month	₩a⁄	6.9	7.0	1.7	7.2	7.3	7.4	7.4	7.5	7.6	7.6	7.7	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	_	Max	97.2%	97.2%	97.2%	97.2%	97.2%	97.2%	97.2%	97.2%	97.2%	97.2%	96.8%
	Apr	6.3	6.4	6.5	9.9	9.9	6.7	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.3	7.4	Ę	Anr	94.4%	94.4%	94.4%	94.4%	94.4%	94.4%	94.4%	94.4%	94.4%	94.4%	94.4%
	Mar	6.1	6.2	6.3	6.4	6.5	6.5	9.9	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1	7.2		ž	93.8%	93.8%	93.8%	93.8%	93.8%	93.8%	93.8%	93.8%	93.8%	93.8%	93.8%
	Heb de	6.5	9.9	6.7	6.8	6.9	7.0	2.0	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6		da d	96.8%	89.96	96.8%	96.8%	96.8%	89.96	96.8%	96.8%	96.8%	96.8%	%8.96
	nel.	6.6	6.7	6.8	6.9	7.0	2.0	7.1	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7		LE .	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%	94.5%
	Year	2006	2002	2008	5002	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		2021		2023	2024	2025		700	2006	2007	2008	2009	2010	2011		2013	2014	2015	2006-2015

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Springfield Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	Net Energy Requiremen	ents (CY)			Non-	Coinciden	Non-Coincident Peak Demand	and			incident P	Coincident Peak Demand	
	Year	Actual	Percent Change	Percent Normalized Change (MWh)	Percent Change	Percent Diff.	Winter (MW)	Percent Change	Load Factor	Summer (MW)	Percent Change	Load Factor	Winter (MW)	Percent Change	Summer (MW)	Percent
	1996	23,810		24,134		1.4%	4.5		59.8%	5.9		46.0%	#N/A	1	W/W#	,
	1997	23,921	0.5%	24,219	0.4%	1.2%	4.6	1.0%	59.5%	0.9	1.8%	45.4%	#N/A	W/V#	W/N#	#N/A
	1998	24,723	3.4%	24,521	1.2%	-0.8%	4.8	3.7%	59.3%	6.3	4.6%	44.8%	#N/A	#N/A	#N/A	#N/A
ĮĒ	1999	25,478	3.1%	25,241	2.9%	-0.9%	4.7	-0.9%	61.6%	6.7	2.9%	43.6%	#N/A	#N/A	A/N#	
rjc	2000	26,187	2.8%	26,169	3.7%	-0.1%	5.0	6.2%	29.6%	6.2	-7.3%	48.4%	#N/A	W/N#	W/N#	
ojs	2001	27,723	5.9%	26,876	2.7%	-3.1%	5.0	-0.3%	63.3%	6.2	0.6%	20.9%	#N/A		Y/N#	
ŀΗ	2002	30,012	8.3%	28,832	7.3%	-3.9%	5.0	0.0%	68.5%	6.4	2.4%	53.8%	W/N#		4/N#	
	2003	28,920	-3.6%	28,204	-2.2%	-2.5%	5.0	9.0	65.6%	0.9	-6.0%	55.1%	#N/A	#N/A	#N/A	
	2004	29,445	1.8%	29,945	6.2%	1.7%	5.1	1.5%	65.8%	6.2	3.1%	54.5%	#N/A	#N/A	W/V#	#N/A
	2005	31,270	6.2%	29,982	0.1%	-4.1%	5.4	2.0%	%9.99	6.8	10.8%	52.2%	A/N#	#N/A	#N/A	#N/A
	2006	30,397	-2.8%	30,397	1.4%		5.5	3.2%	62.8%	6.8	-0.9%	51.2%	5.4	#N/A	6.2	#N/A
	2007	30,571	0.6%	30,571	%9.0		5.6	0.6%	62,8%	6.8	%9.0	51.2%	5.4	%9'0	6.3	%9.0
	2008	30,840	0.9%	30,840	0.9%		5.6	0.9%	62.8%	6.9	0.9%	51.2%	5.5	0.9%	6.3	0.9%
	2009	31,084	0.8%	31,084	0.8%		5.7	0.8%	62.8%	6.9	0.8%	51.2%	5.5	0.8%	6.4	0.8%
	2010	31,261	0.6%	31,261	0.6%		5.7	0.6%	62.8%	7.0	%9'0	51.2%	5.5	%9'0	6.4	%9'0
	2011	31,372	0.4%	31,372	0.4%		5.7	0.4%	62.8%	7.0	0.4%	51.2%	5.5	0.4%	6.4	0.4%
	2012	31,468	0.3%	31,468	0.3%		5.7	0.3%	62.8%	7.0	0.3%	51.2%	5.6	0.3%	6.4	0.3%
	2013	31,626	0.5%	31,626	0.5%		5.8	0.5%	62.8%	7.1	0.5%	51.2%	5.6	0.5%	6.5	0.5%
p	2014	31,791	0.5%	31,791	0.5%		5.8	0.5%	62.8%	7.1	0.5%	51.2%	5.6	0.5%	6.5	0.5%
əţo	2015	31,934	0.4%	31,934	0.4%		5.8	0.4%	62.8%	7.1	0.4%	51.2%	5.6	0.4%	6.5	0.4%
əļo	2016	32,056	0.4%	32,056	0.4%		5.8	0.4%	62.8%	7.2	0.4%	51.2%	5.7	0.4%	9.9	0.4%
ЪЧ	2017	32,185	0.4%	32,185	0.4%		5.9	0.4%	62.8%	7.2	0.4%	51.2%	5.7	0.4%	6.6	0.4%
	2018	32,314	0.4%	32,314	0.4%		5.9	0.4%	62.8%	7.2	0.4%	51.2%	5.7	0.4%	6.6	0.4%
	2019	32,463	0.5%	32,463	0.5%		5.9	0.5%	62.8%	7.2	0.5%	51.2%	5.7	0.5%	6.6	0.5%
	2020	32,602	0.4%	32,602	0.4%		5.9	0.4%	62.8%	7.3	0.4%	51.2%	5.8	0.4%	6.7	0.4%
	2021	32,745	0.4%	32,745	0.4%		6.0	0.4%	62.8%	7.3	0.4%	51.2%	5.8	0.4%	6.7	0.4%
	2022	32,887	0.4%	32,887	0.4%		6.0	0.4%	62.8%	7.3	0.4%	51.2%	5.8	0.4%	6.7	0.4%
	2023	33,037	0.5%	33,037	0.5%		6.0	0.5%	62.8%	7.4	0.5%	51.2%	5.8	0.5%	6.8	0.5%
	2024	33,184	0.4%	33,184	0.4%		6.0	0.4%	62.8%	7.4	0.4%	51.2%	5.9	0.4%	6.8	0.4%
	2025	33,326	0.4%	33,326	0.4%		6.1	0.4%	62.8%	7.4	0.4%	51.2%	5.9	0.4%	6.8	0.4%
Я	Thru 2005		3.1%		2.4%			1.8%	63.0%		1.6%	49.5%		#N/A		#N/A
Đ∀	2006-2015		0.5%		0.5%			0.5%	62.8%		0.5%	51.2%		0.5%		0.5%
A	2016-2025		0.4%		0.4%			0.4%	62.8%		0.4%	51.2%		0.4%		0.4%

Springfield Monthly Net Energy Requirements (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
	1996	#N/A	#N/A												
	1997	#N/A	#N/A												
	1998	#N/A	#N/A												
평	1999	#N/A	#N/A												
Historical	2000	#N/A	#N/A												
3	2001	#N/A	#N/A												
I	2002	#N/A	#N/A												
	2003	2,518	2,198	2,375	2,212	2,249	2,394	2,815	2,817	2,098	2,298	2,326	2,619	28,920	#N/A
	2004	2,658	2,442	2,459	2,243	2,242	2,387	2,757	2,503	2,471	2,283	2,326	2,675	29,445	29,405
	2005	2,630	2,255	2,499	2,326	2,321	2,700	3,112	2,956	2,661	2,525	2,548	2,736	31,270	30,745
	2006	2,649	2,341	2,488	2,301	2,311	2,535	2,943	2,806	2,448	2,409	2,441	2,725	30,397	30,631
	2007	2,664	2,354	2,503	2,314	2,325	2,550	2,960	2,822	2,462	2,423	2,455	2,740	30,571	30,528
	2008	2,688	2,375	2,525	2,334	2,345	2,572	2,986	2,847	2,483	2,444	2,477	2,764	30,840	30,773
g	2009	2,709	2,394	2,545	2,353	2,364	2,592	3.010	2,870	2,503	2,463	2,496	2,786	31,084	31,023
Projected	2010	2,724	2,408	2,559	2,366	2,377	2,607	3,027	2,886	2,517	2,477	2,510	2,802	31,261	31,217
ē	2011	2,734	2,416	2,568	2,375	2,386	2,616	3,038	2,896	2,526	2,486	2,519	2,812	31,372	31,344
ď	2012	2,742	2,423	2,576	2,382	2,393	2,624	3,047	2,905	2,534	2,494	2,527	2,821	31,468	31,444
	2013	2,756	2,436	2,589	2,394	2,405	2,638	3,062	2,920	2,547	2,506	2,540	2,835	31,626	31,587
	2014	2,771	2,448	2,602	2,406	2,417	2,651	3,078	2,935	2,560	2,519	2,553	2,850	31,791	31,750
	2015	2,783	2,459	2,614	2,417	2,428	2,663	3,092	2,948	2,571	2,531	2,565	2,862	31,934	31,898
	2016	2,794	2,469	2,624	2,426	2,438	2,673	3,104	2,959	2,581	2,540	2,574	2,873	32,056	32,026
	2017	2,805	2,479	2,635	2,436	2,447	2,684	3,116	2,971	2,591	2,551	2,585	2,885	32,185	32,153
	2018	2,816	2,489	2,645	2,446	2,457	2,695	3,129	2,983	2,602	2,561	2,595	2,896	32,314	32,282
B	2019	2,829	2,500	2,657	2,457	2,468	2,707	3,143	2,997	2,614	2,573	2,607	2,910	32,463	32,426
Projected	2020	2,841	2,511	2,669	2,468	2,479	2,719	3,157	3,010	2,625	2,584	2,618	2,922	32,602	32,567
ē	2021	2,854	2,522	2,680	2,478	2,490	2,731	3,171	3,023	2,637	2,595	2,630	2,935	32,745	32,709
ď.	2022	2,866	2,533	2,692	2,489	2.501	2,743	3,184	3,036	2,648	2,606	2,641	2,948	32,887	32,852
	2023	2,879	2,544	2,704	2,500	2,512	2,755	3,199	3,050	2,660	2,618	2,653	2,961	33,037	32,999
	2024	2,892	2,556	2,716	2.512	2,523	2,768	3,213	3,063	2,672	2.630	2,665	2,974	33,184	33,148
	2025	2,904	2,567	2,728	2,522	2,534	2,779	3,227	3,077	2,683	2,641	2,676	2,987	33,326	33,291

Monthly Energy Allocation Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	1996	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1997	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	1998	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Ī	1999	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Ę	2000	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
Historical	2001	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
宔	2002	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
	2003	8.7%	7.6%	8.2%	7.6%	7.8%	8.3%	9.7%	9.7%	7.3%	7.9%	8.0%	9.1%	100.0%
	2004	9.0%	8.3%	8.4%	7.6%	7.6%	8.1%	9.4%	8.5%	8.4%	7.8%	7.9%	9.1%	100.0%
	2005	8.4%	7.2%	8.0%	7.4%	7.4%	8.6%	10.0%	9.5%	8.5%	8.1%	8.1%	8.7%	100.0%
	2006	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
	2007	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
	2008	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
72	2009	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9,2%	8.1%	7.9%	8.0%	9.0%	100.0%
Projected	2010	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
ě	2011	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
ă.	2012	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
	2013	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
	2014	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
	2015	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%
Avg.	1996-2005	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A						
á	2006-2015	8.7%	7.7%	8.2%	7.6%	7.6%	8.3%	9.7%	9.2%	8.1%	7.9%	8.0%	9.0%	100.0%

Springfield
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Oct	_Nov	Dec	Wntr Pk	Sumr Pk
-	1996	#N/A	#N/A												
	1997	#N/A	#N/A												
	1998	#N/A	#N/A												
77	1999	#N/A	#N/A												
Ę	2000	#N/A	#N/A												
Historical	2001	#N/A	#N/A												
Ï	2002	#N/A	#N/A												
	2003	4.9	5.0	5.0	4.7	4.7	5.8	5.8	6.0	5.6	4.7	4.7	4.9	5.0	6.0
	2004	5.1	5.0	5.0	4.6	4.7	6.0	6.2	6.2	5.9	4.6	4.9	5.4	5,1	6.2
	2005	5.1	4.8	4.8	4.7	4.7	6.4	6.8	6.3	5.7	5.0	4.9	5.3	5.4	6.8
•	2006	5.5	5.2	5.2	5.2	5.0	6.5	6.8	6.6	6.2	5.0	5.2	5.4	5.5	6.8
	2007	5.6	5.3	5.2	5.2	5.1	6.5	6.8	6.6	6.2	5.0	5.3	5.5	5,6	6.8
	2008	5.6	5.3	5.3	5.2	5.1	6.6	6.9	6.7	6.3	5.1	5,3	5.5	5.6	6.9
2	2009	5.7	5.3	5.3	5.3	5.1	6.6	6.9	6.7	6.3	5.1	5.3	5.6	5.7	6.9
Projected	2010	5.7	5.4	5.3	5.3	5.2	6.7	7.0	6.7	6.3	5,1	5.4	5.6	5.7	7.0
ė,	2011	5.7	5.4	5.4	5.3	5.2	6.7	7.0	6.8	6.4	5.2	5.4	5.6	5.7	7.0
č	2012	5.7	5.4	5.4	5.3	5.2	6.7	7.0	6.8	6.4	5.2	5.4	5.6	5.7	7.0
	2013	5.8	5.4	5.4	5.4	5.2	6.7	7,1	6.8	6.4	5.2	5.4	5.7	5.8	7.1
	2014	5.8	5.5	5.4	5.4	5.3	6.8	7.1	6.9	6.4	5.2	5.5	5.7	5.8	7.1
	2015	5.8	5.5	5.5	5.4	5.3	6.8	7.1	6.9	6.5	5.3	5.5	5.7	5.8	7.1
-	2016	5.8	5.5	5.5	5.4	5.3	6.8	7.2	6.9	6.5	5.3	5.5	5.7	5.8	7.2
	2017	5.9	5.5	5.5	5.5	5.3	6.9	7.2	6.9	6.5	5.3	5.5	5.8	5.9	7.2
	2018	5.9	5.6	5.5	5.5	5.3	6.9	7.2	7.0	6.6	5.3	5.6	5.8	5.9	7.2
D.	2019	5.9	5.6	5.6	5.5	5.4	6.9	7.2	7.0	6.6	5.3	5.6	5.8	5.9	7.2
Projected	2020	5.9	5.6	5.6	5.5	5.4	6.9	7.3	7.0	6.6	5.4	5.6	5.8	5.9	7.3
ë	2021	6.0	5.6	5.6	5.6	5.4	7.0	7.3	7.1	6.6	5.4	5.6	5.9	6.0	7.3
ď.	2022	6.0	5.7	5.6	5.6	5.4	7.0	7.3	7.1	6.7	5.4	5.6	5.9	6.0	7.3
	2023	6.0	5.7	5.6	5.6	5.5	7.0	7.4	7.1	6.7	5.4	5.7	5.9	6.0	7.4
	2024	6.0	5.7	5.7	5.6	5.5	7.1	7.4	7.2	6.7	5.5	5.7	5.9	6.0	7.4
_	2025	6,1	5.7	5.7	5.7	5.5	7.1	7.4	7.2	6.8	5.5	5.7	6.0	6.1	7.4

Monthly Load Factors

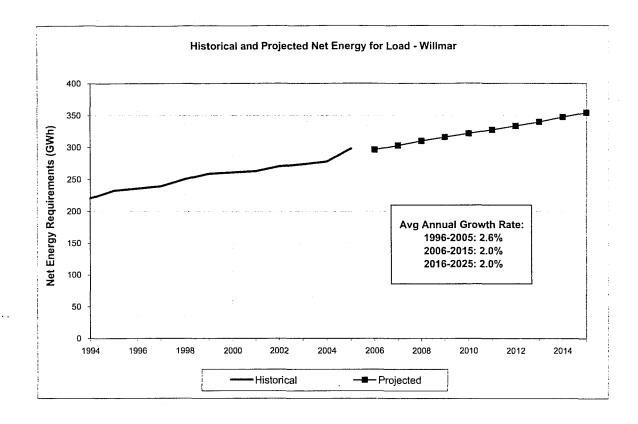
	Year	Jan	Feb	Маг	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
a	1999														
÷	2000														
Historical	2001														
Ξ	2002														
	2003	69.4%	65.0%	63.8%	64.8%	64.0%	57.4%	64.8%	63.2%	52.4%	65.8%	69.0%	71.5%	65,6%	55.1%
	2004	70.0%	70.1%	66.6%	67.2%	64.3%	55.3%	60.0%	54.6%	57.8%	66.8%	66.4%	67.1%	65.8%	54.5%
	2005	68.7%	69.8%	70.3%	69.1%	66.8%	58.9%	61.2%	62.7%	64.6%	67.8%	71.9%	69.3%	66.6%	52.2%
	2006	64.4%	66.7%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	64.9%	67.3%	62.8%	51.2%
	2007	64.4%	66.7%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	64.7%	67.1%	62.8%	51.2%
	2008	64.4%	64.4%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	64.7%	67.2%	62.8%	51.2%
Ā	2009	64.4%	66.7%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	64.9%	67.3%	62.8%	51.2%
t	2010	64.4%	66.7%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	65.0%	67.4%	62,8%	51.2%
rojected	2011	64.4%	66.7%	54.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	65.0%	67.5%	62.8%	51.2%
ď.	2012	64.4%	64.4%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	64.9%	67.4%	62.8%	51.2%
	2013	64.4%	66.7%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	64.9%	67.3%	62.8%	51.2%
	2014	64.4%	66.7%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	64.9%	67.4%	62.8%	51.2%
	2015	64.4%	66.7%	64.4%	61.9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	65.0%	67.4%	62.8%	51.2%
ġ	1996-2005	69.3%	68.3%	66.9%	67.1%	65.0%	57.2%	62.0%	60.2%	58.3%	66.8%	69.1%	69.3%	66.0%	53.9%
₹	2006-2015	64.4%	66.2%	64.4%	61,9%	61.8%	54.4%	58.3%	57.5%	55.2%	64.8%	64.9%	67.3%	62.8%	51.2%

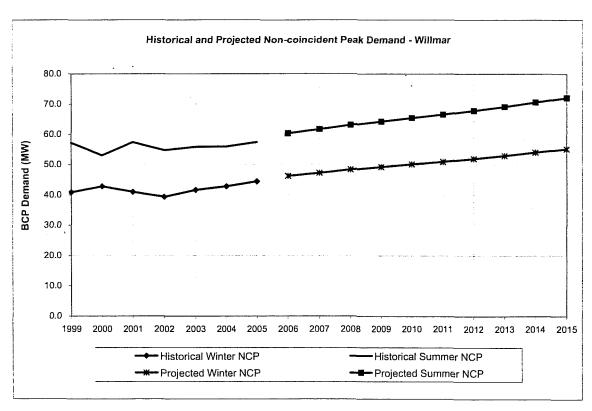
Springfield Monthly Coincident-Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
•	2006	5.4	5,1	5.0	4.9	4.8	6.2	6.2	5.9	6.0	4.8	4.8	5.0	5.4	6.2
	2007	5.4	5.2	5.1	4.9	4.8	6.2	6.3	5.9	6.0	4.8	4.9	5.0	5.4	6.3
	2008	5.5	5.2	5.1	5.0	4.8	6.3	6.3	6.0	6.1	4.9	4.9	5.1	5.5	6.3
ted	2009	5.5	5.3	5.2	5.0	4.9	6.3	6.4	6.0	6.1	4.9	4.9	5.1	5.5	6.4
	2010	5.5	5.3	5.2	5.0	4.9	6.3	6.4	6.0	6.2	4.9	4.9	5.1	5.5	6.4
ō Ģ	2011	5.5	5.3	5.2	5.1	4.9	6.4	6.4	6.1	6.2	4.9	5.0	5.1	5.5	5.4
ά	2012	5.6	5.3	5.2	5.1	4.9	6.4	6.4	6.1	6.2	5.0	5.0	5.2	5.6	6.4
	2013	5.6	5.4	5.2	5.1	5.0	6.4	6,5	6.1	6.2	5.0	5.0	5.2	5,6	6.5
	2014	5.6	5.4	5.3	5.1	5.0	6.5	6.5	6.1	6.3	5.0	5.0	5.2	5.6	6.5
	2015	5.6	5.4	5.3	5.2	5.0	6.5	6.5	6.2	6.3	5.0	5.0	5.2	5.6	6.5_
	2016	5.7	5,4	5.3	5.2	5.0	5.5	6.6	6.2	6.3	5.1	5.1	5.3	5.7	6.6
	2017	5.7	5.4	5.3	5.2	5.0	6.5	6.6	6.2	6.4	5.1	5.1	5.3	5.7	6.6
	2018	5.7	5.5	5.4	5.2	5.1	6.6	6.6	6.2	6.4	5.1	5.1	5.3	5.7	6.6
cted	2019	5.7	5.5	5.4	5.2	5.1	6.6	6.6	6.3	6.4	5.1	5.1	5.3	5.7	6.6
ថ្ល	2020	5.8	5.5	5.4	5.3	5.1	6.6	6.7	6.3	6.4	5.1	5.2	5.3	5.8	6.7
ş	2021	5.8	5.5	5.4	5.3	5.1	6.7	6.7	6.3	6.5	5.2	5.2	5.4	5.8	6.7
ā	2022	5.8	5.6	5.5	5.3	5.1	6.7	6.7	6.4	6.5	5.2	5.2	5.4	5.8	6.7
	2023	5.8	5.6	5.5	5.3	5.2	6.7	6.8	6.4	6.5	5.2	5.2	5.4	5.8	6.8
	2024	5.9	5.6	5.5	5.4	5.2	6.7	6.8	6.4	6.6	5.2	5.2	5.4	5.9	6.8
	2025	5.9	5.6	5.5	5.4	5.2	6.8	6.8	6.4	6.6	5.3	5,3	5,5	5.9	6.8

Monthly Coincidence Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Watr Pk	Sumr Pk
	2006	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
	2007	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
	2008	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
당	2009	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
ojecte	2010	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
ాస్ట	2011	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
Ď.	2012	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
	2013	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
	2014	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
	2015	97.3%	98.4%	97.0%	95.0%	94.7%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%
	2006-2015	97.3%	98.4%	97,0%	95,0%	98.4%	95.3%	91.7%	89.5%	97.4%	95.9%	92.1%	91.7%	97.3%	91.7%





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Willmar
Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requireme	ents (CY)			Non-	Coincider	ıt Peak Dem	and		Со	incident Pe	eak Demand	!
		Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff,	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
	1996	235,605	•	231,736	-	-1.6%	39.9	•	67.4%	50.8	•	52.9%	#N/A	÷ '	#N/A	-
	1997	239,082	1.5%	239,694	3.4%	0.3%	38.7	-3.0%	70.5%	51.4	1.2%	53.1%	#N/A	#N/A	#N/A	#N/A
	1998	250,318	4.7%	261,241	9.0%	4.4%	39.2	1.3%	72.9%	54.1	5.3%	52.8%	#N/A	#N/A	#N/A	#N/A
ro	1999	258,923	3.4%	267,440	2.4%	3.3%	40.9	4.3%	72.3%	57.2	5.7%	51.7%	#N/A	#N/A	#N/A	#N/A
Historical	2000	260,979	0.8%	265,254	-0.8%	1.6%	, 42.8	4.6%	69.6%	53.0	-7.3%	56.2%	#N/A	#N/A	#N/A	+N/A
isto	2001	262,782	0.7%	265,680	0.2%	1.1%	41.0	-4.2%	73.2%	57.4	8.3%	52.3%	#N/A	#N/A	#N/A	#N/A
Ϊ	2002	270,242	2.8%	269,263	1.3%	-0.4%	39.3	-4.1%	78.5%	54.7	-4.7%	56.4%	#N/A	#N/A	#N/A	#N/A
	2003	273,645	1.3%	273,781	1.7%	0.0%	41.6	5.9%	75.1%	55.8	2.0%	56.0%	#N/A	#N/A	#N/A	#N/A
	2004	277,749	1.5%	286,058	4.5%	3.0%	42.8	2.9%	74.1%	55.9	0.2%	56.7%	#N/A	#N/A	#N/A	#N/A
	2005	297,981	7.3%	301,215	5.3%	1.1%	44.4	3.7%	76.6%	57.4	2.7%	59.3%	#N/A	#N/A	#N/A	#N/A
	2006	296,090	-0.6%	296,090	-1.7%		46.2	4.0%	73.2%	60.3	5.0%	56.1%	46.2	#N/A	59.5	#N/A
	2007	302,782	2.3%	302,782	2.3%		47.2	2.3%	73.2%	61.6	2.3%	56.1%	47.2	2.3%	60.9	2.3%
	2008	309,881	2.3%	309,881	2.3%		48.3	2.3%	73.2%	63.1	2.3%	56.1%	48.3	2.3%	62.3	2.3%
	2009	315,712	1.9%	315,712	1.9%		49.2	1.9%	73.2%	64.3	1.9%	56,1%	49.2	1.9%	63.5	1.9%
	2010	321,518	1.8%	321,518	1.8%		50.1	1.8%	73.2%	65.4	1.8%	56.1%	50.1	1.8%	64.6	1.8%
	2011	327,244	1.8%	327,244	1.8%		51.0	1.8%	73.2%	66.6	1.8%	56.1%	51.0	1.8%	65.8	1.8%
	2012	333,295	1.8%	333,295	1.8%		52.0	1.8%	73.2%	67.8	1.8%	56.1%	52.0	1.8%	67.0	1.8%
	2013	339,699	1.9%	339,699	1.9%		53.0	1.9%	73.2%	69.1	1.9%	56.1%	53.0	1.9%	68.3	1.9%
ed	2014	347,051	2.2%	347,051	2.2%		54.1	2.2%	73.2%	70.6	2.2%	56.1%	54.1	2.2%	69.8	2.2%
Projected	2015	354,188	2.1%	354,188	2.1%		55.2	2.1%	73.2%	72.1	2.1%	56.1%	55.2	2.1%	71.2	2.1%
ē	2016	361,408	2.0%	361,408	2.0%		56.3	2.0%	73.2%	73.6	2.0%	56.1%	56.3	2.0%	72.7	2.0%
σ.	2017	368,630	2.0%	368,630	2.0%		57.5	2.0%	73.2%	75.0	2.0%	56.1%	57.5	2.0%	74.1	2.0%
	2018	376,151	2.0%	376,151	2.0%		58.6	2.0%	73.2%	76.6	2.0%	56.1%	58.6	2.0%	75.6	2.0%
	2019	383,647	2.0%	383,647	2.0%		59.8	2.0%	73.2%	78.1	2.0%	56.1%	59.8	2.0%	77.1	2.0%
	2020	391,362	2.0%	391,362	2.0%		61.0	2.0%	73.2%	79.7	2.0%	56.1%	61.0	2.0%	78.7	2.0%
	2021	399,322	2.0%	399,322	2.0%		62.2	2.0%	73.2%	81.3	2.0%	56.1%	62.2	2.0%	80.3	2.0%
	2022	407,473	2.0%	407,473	2.0%		63.5	2.0%	73.2%	82.9	2.0%	56.1%	63.5	2.0%	81.9	2.0%
	2023	415,789	2.0%	415,789	2.0%		64.8	2.0%	73.2%	84.6	2.0%	56,1%	64.8	2.0%	83.6	2.0%
	2024	424,242	2.0%	424,242	2.0%		66.1	2.0%	73.2%	86.3	2.0%	56.1%	66.1	2.0%	85.3	2.0%
-	2025	432,779	2.0%	432,779	2.0%		67.5	2.0%	73.2%	88.1	2.0%	56.1%	67.5	2.0%	87.0	2.0%
ά	Thru 2005		2.6%		3.0%			1.2%	73.0%		1.4%	54.7%		#N/A		#N/A
AAGR	2006-2015		2.0%		2.0%			2.0%	73.2%		2.0%	56.1%		2.0%		2.0%
٩	2016-2025		2.0%		2.0%			2.0%	73.2%		2.0%	56.1%		2.0%		2.0%

	(MWh)
lmar	Requirements
\$	Energy
	Net
	Monthly

FY Total	#N/A	W/A#	#N/A	#N/A	#N/A	W/N#	266,042	273,350	275,106	294,260	296,794	301,131	308,129	314,273	320,085	325,831	331,802	338,119	345,237	352,427	359,626	366,848	374,295	381,797	389,458	397,357	405,461	413,737	422,156	430,673
CY Total	W/N#	#N/A	#N/A	#W/A	#N/A	262,782	270,242	273,645	277,749	297,981	296,090	302,782	309,881	315,712	321,518	327,244	333,295	339,699	347,051	354,188	361,408	368,630	376,151	383,647	391,362	399,322	407,473	415,789	424,242	432,779
Dec	#N/A	#N/A	#N/A	#N/A	#N/A	22,044	23,341	23,807	24,747	26,291	25,735	26,317	26,934	27,441	27,945	28,443	28,969	29,526	30,165	30,785	31,412	32,040	32,694	33,345	34,016	34,708	35,416	36,139	36,874	37,616
Nov	#N/A	#N/¥	#N/A	#N/A	#N/A	20,056	21,978	21,678	22,598	23,873	23,589	24,122	24,688	25,153	25,615	26,071	26,553	27,064	27,649	28,218	28,793	29,368	29,968	30,565	31,179	31,814	32,463	33,126	33,799	34,479
Oct	W/N#	#N/A	W/V#	#N/A	#N/¥	20,815	21,797	21,926	22,708	. 23,610	. 23,745	24,282	24,851	25,319	25,785	26,244	26,729	27,243	27,832	28,405	28,984	29,563	30,166	30,767	31,386	32,024	32,678	33,345	34,023	34,707
Sep	#N/A	W/N#	#N/A	#N/A	#N/A	20,390	22,750	21,911	24,076	24,910	24,405	24,957	25,542	26,023	26,501	26,973	27,472	28,000	28,606	29,194	29,789	30,384	31,004	31,622	32,258	32,914	33,586	34,271	34,968	35,672
Aug	#N/A	#N/A	A/N#	#N/A	#N/A	26,252	24,499	26,903	24,182	27,850	27,797	28,425	29,091	29,639	30,184	30,721	31,289	31,891	32,581	33,251	33,929	34,607	35,313	36,016	36,741	37,488	38,253	39,034	39,827	40,629
Ι'nς	#N/A	#N/A	¥N/¥	#N/A	#N/A	26,023	27,905	26,591	26,070	29,039	29,063	29,720	30,417	30,989	31,559	32,121	32,715	33,343	34,065	34,766	35,474	36,183	36,921	37,657	38,414	39,196	39,996	40,812	41,642	42,480
Jun	W/N#	#N/A	#W/A	V/V#	¥N/¥	22,059	23,320	22,750	22,568	26,671	25,116	25,684	26.286	26.781	27,273	27.759	28.272	28.815	29,439	30,044	30,657	31,269	31,907	32,543	33,198	33,873	34,564	35,270	35,987	36,711
. Ne	#WA	#WA	4/N#	V/V#	¥N/A	20,725	20,385	20,531	20,786	22.542	22,492	23,000	23.540	23.983	24.424	24.859	25.318	25.805	26,363	26,905	27,454	28,003	28,574	29,143	29,729	30,334	30,953	31,585	32,227	32,876
Anr	4N/A	#N/A	4/N#	W/V#	#WA	19.881	20.400	20.320	20.522	21,799	22,055	22.554	23.083	23 517	23.949	24.376	24.827	25.304	25,851	26,383	26,921	27,459	28,019	28,577	29.152	29,745	30,352	30,972	31,601	32,237
Nar	V/N#	4/2#	4/2#	A/N#	#WA	21.364	21,600	22.068	22.741	23.880	23.917	24.458	25.031	25 502	25.971	26 434	26.923	27.440	28.034	28.610	29.194	29,777	30,385	30,990	31.613	32,256	32,915	33,586	34,269	34,959
r c	Δ/N#	#W/A	#WA/A	#W/A	#N/A	20.643	19 716	21 449	22.545	21 931	22,779	23.294	23.840	24 289	24.735	25 176	25 641	26.134	26.700	27.249	27.804	28.360	28.938	29.515	30 109	30.721	31.348	31.988	32,638	33,295
<u>.</u>	₩W.A	448/4	V/N#	4/V#	4/N#	22 52B	22,551	23 712	24.206	25 585	25 395	25,969	26.578	27.078	27,576	28.067	28 586	29 135	29.766	30.378	30.997	31.617	32.262	32,905	33 567	34.249	34.948	35,662	36.387	37,119
700	1006	1007	1008	0001	2000	2001	2002	2003	2007	2005	2006	2002	2008	0002	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
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Factors
Allocation
/ Energy /
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#NIA #NIA #NIA #NIA #NIA #NIA #NIA #NIA	Jan	Feb	Mar	Apr	May	Jun	Ja T	Aug	Sep	Oct	Nov	Dec	Total
#NIA #NIA #NIA #NIA #NIA #NIA #NIA #NIA	Y/N#	W/N#	W/N#	#N/A	W/N#	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#W/A	#N/A
#NIA #NIA #NIA #NIA #NIA #NIA #NIA #NIA	#W/A	#N/A	W/V#	#N/A	#N/A	¥N/¥	#N/A	∀/N#	#N/A	#N/A	#N/A	#N/A	#N/A
HNIA HNIA HNIA HNIA HNIA HNIA HNIA HNIA	₩/N#	V/N#	V/N#	#N/A	∀/N#	#N/A	#N/A	W/V#	W/V#	#N/A	#N/A	∀/N#	W/V#
BINIA #INIA #INIA <th< td=""><td>₩/N#</td><td>∀/N#</td><td>#N/A</td><td>W/V#</td><td>#N/A</td><td>#N/A</td><td>#N/A</td><td>#N/A</td><td>#N/A</td><td>#N/A</td><td>#N/A</td><td>Y/N#</td><td>W/N#</td></th<>	₩/N#	∀/N#	#N/A	W/V#	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	Y/N#	W/N#
8.6% 7.9% 8.1% 7.6% 7.9% 8.4% 8.4% 8.4% 7.5% 8.6% 4.8% 7.3% 8.1% 7.5% 8.6% 7.5% 8.6% 7.5% 8.6% 7.5% 8.6% 7.5% 8.6% 7.5% 8.6% 7.5% 8.6% 7.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.6% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5	#W/A	#W/A	₹N/¥	#N/A	#N/A	#N/A	#N/A	#N/A	¥N/A	#N/A	#N/A	#N/A	W/V#
8.3% 7.3% 8.0% 7.5% 7.5% 8.6% 1 8.7% 7.8% 8.2% 7.4% 7.5% 8.3% 8.6% 7.4% 8.0% 7.3% 7.6% 8.3% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5%	8.6%	7.9%	8.1%	7.6%	7.9%	8.4%	9.6%	10.0%	7.8%	7.9%	7.6%	8.4%	100.0%
8.7% 7.8% 8.1% 7.4% 7.5% 8.3% 8.3% 8.1% 7.4% 7.5% 8.3% 8.1% 7.4% 7.5% 8.3% 8.1% 7.4% 7.5% 8.3% 8.1% 7.4% 7.5% 8.1% 8.1% 7.4% 7.6% 9.1% 9.1% 9.1% 9.1% 9.1% 9.1% 9.1% 9.1	8.3%	7.3%	8.0%	7.5%	7.5%	8.6%	10.3%	9.1%	8.4%	8.1%	8.1%	8.6%	100.0%
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8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5	8.6%	7.4%	8.0%	7.3%	7.6%	80.6	9.7%	.9.3%	8.4%	7.9%	8.0%	8.8%	100.0%
8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.6% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5	8.6%	7.7%	8.1%	7.4%	7.6%	8.5%	9.8%	9.4%	8.2%	8.0%	8.0%	8.7%	100.0%
8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9	8.6%	7.7%	8.1%	7.4%	7.6%	8.5%	9.8%	9.4%	8.2%	8.0%	8.0%	8.7%	100.0%
8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.5% 8.5% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 9.5% 7.7% 8.1% 7.4% 7.6% 8.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9	8.6%	7.7%	8.1%	7.4%	7.6%	8.5%	9.8%	9.4%	8.2%	8.0%	8.0%	8.7%	100.0%
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8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.5% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.5% 8.5% 8.5% 8.5% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9.5% 9	8.6%	7.7%	8.1%	7.4%	7.6%	8.5%	9.8%	9.4%	8.2%	8.0%	8.0%	8.7%	100.0%
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8.6% 7.7% 8.1% 7.4% 7.6% 8.5% 8.5% 8.5% 8.5% 9.5% 9.1% 7.4% 7.6% 8.5% 9.5% 9.5% 9.1% 4.4% 7.6% 8.5% 9.5% 9.1% 4.1% 4.1% 4.1% 4.1% 4.1% 4.1% 4.1% 4	8.6%	7.7%	8.1%	7.4%	7.6%	8.5%	9.8%	9.4%	8.2%	8.0%	8.0%	8.7%	100.0%
05 #NA	8.6%	7.7%	8.1%	7.4%	7.6%	8.5%	9.8%	9.4%	8.2%	8.0%	8.0%	8.7%	100.0%
105 #NIA #NIA #NIA #NIA #NIA #NIA #NIA #NIA	8.6%	7.7%	8.1%	7.4%	7.6%	8.5%	9.8%	9.4%	8.2%	8.0%	8.0%	8.7%	100.0%
7 700, B 19, 7 49, 7 59, B 5%	#N/A	W/N#	#N/A	#N/A	#N/A	#N/A	W/W#	#N/A	W/V#	#N/A	#W/A	#N/A	#N/A
0.1.78	8.6%	7.7%	8.1%	7.4%	7.6%	8.5%	9.8%	9.4%	8.2%	8.0%	8.0%	8.7%	100.0%

Willmar Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996	#N/A	#N/A												
	1997	#N/A	#N/A												
	1998	#N/A	#N/A												
7	1999	#N/A	#N/A												
Ë	2000	#N/A	#N/A												
Historical	2001	40.7	41.2	37.9	38.6	46.6	54.6	57.0	57.4	49.1	39.1	38.4	38.6	#N/A	57.4
Ĩ	2002	39.3	38.6	38.3	40.7	43.7	52.1	54.7	51.0	51.9	38.0	39.6	40.5	39.3	54.7
	2003	41.1	41.6	40.8	40.5	39.2	49.6	52.9	55.8	49.2	41.2	40.2	42.4	41.6	55.8
	2004	42.8	41.7	39.5	40.2	40.3	52.0	55.9	52.3	53.3	41.2	40.2	44.1	42.8	55.9
	2005	44.4	42.7	40.1	40.5	39.8	57.4	56.6	57.1	49.0	42.8	42.7	45.6	44.4	57.4
	2006	46.2	45.6	43.3	42.0	43.1	56.8	60.3	58.4	53.7	46.2	44.8	46.0	46.2	60.3
	2007	47.2	46.7	44.3	42.9	44.1	58.1	61.6	59.7	54.9	47.2	45.8	47.1	47.2	61.6
	2008	48.3	47.7	45.3	43.9	45.1	59.4	63.1	61.1	56.2	48.3	46.7	48.0	48.3	63.1
'n	2009	49.2	48.6	46.2	44.8	46.0	60.5	64.3	62.2	57.2	49.2	47.6	48.9	49.2	64.3
Projected	2010	50.1	49.5	47.0	45.6	46.8	61.7	65.4	63.4	58.3	50.1	48.4	49.7	50.1	65.4
충	2011	51.0	50.4	47.9	46.4	47.7	62.7	66.6	64.5	59.3	51.0	49.3	50.6	51.0	66.6
4	2012	52.0	51.4	48.7	47.2	48.5	63.9	67.8	65.7	60.4	52.0	50.2	51.6	52.0	67.8
	2013	53.0	52.3	49.7	48.2	49.5	65.1	69.1	67.0	61.6	53.0	51.3	52.7	53.0	69.1
	2014	54.1	53.5	50.8	49.2	50.5	66.5	70.6	68.4	62.9	54,1	52.4	53.8	54.1	70.6
	2015	55,2	54.6	51.8	50.2	51.6	67.9	72.1	69.8	64.2	55.2	53.5	54.9	55.2	72.1
	2016	56.3	55.7	52.9	51.2	52.6	69.3	73,6	71.2	65.5	56.4	54.5	56.0	56.3	73.6
	2017	57.5	56.8	53.9	52.3	53.7	70.7	75.0	72.7	66.8	57.5	55.6	57.2	57.5	75.0
	2018	58.6	58.0	55.0	53.3	54.8	72.1	76.6	74.1	68.2	58.7	56.7	58.3	58.6	76.6
8	2019	59.8	59.1	56.1	54.4	55.9	73.6	78.1	75.6	69.5	59.8	57.9	59.5	59.8	78.1
Projected	2020	61.0	60.3	57.2	55.5	57.0	75.0	79.7	77.1	70.9	61.0	59.1	60.7	61.0	79.7
.	2021	62.2	61.5	58.4	56.6	58.2	76.6	81.3	78.7	72.4	62.3	60.3	61.9	62.2	81.3
ů.	2022	63.5	62.8	59.6	57.8	59.3	78.1	82.9	80.3	73.9	63.6	61.5	63.2	63.5	82.9
	2023	64.8	64.1	60.8	58.9	60.6	79.7	84.6	81.9	75.4	64.9	62.7	64.5	64.8	84.6
	2024	66.1	65.4	62.0	60.1	61.8	81.3	86.3	83.6	76.9	66.2	64.0	65.8	66.1	86.3
	2025	67.5	66.7	63.3	61.3	63.0	83.0	88.1	85.3	78.5	67.5	65.3	67.1	67.5	88.1

Monthly Load Factors

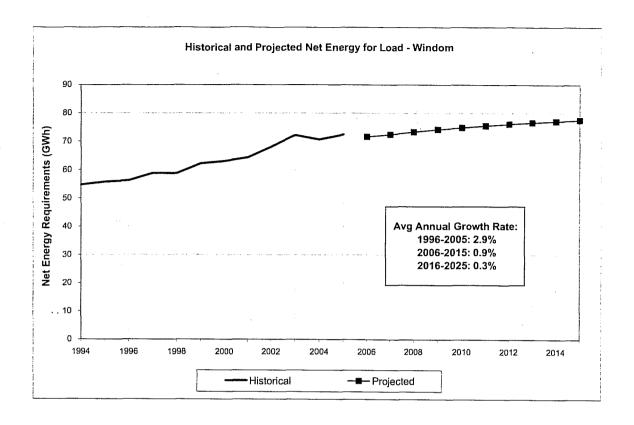
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
10	1999														
끋	2000														
Historical	2001	74.4%	74.6%	75.8%	71.5%	59.8%	56.1%	61.4%	61.5%	57.7%	71.6%	72.5%	76.8%		52.3%
÷	2002	77.1%	76.0%	75.8%	69.6%	62.7%	62.2%	68.6%	64.6%	60.9%	77.1%	77.1%	77.5%	78.5%	56.4%
	2003	77.5%	76.7%	72.7%	69.7%	70.4%	63.7%	67.6%	64.8%	61.9%	71.5%	74.9%	75.5%	75.1%	56.0%
	2004	76.0%	77.7%	77.4%	70.9%	69.3%	60.3%	62.7%	62.1%	62.7%	74.1%	78.1%	75.4%	74.1%	56.7%
	2005	77.5%	76.4%	80.0%	74.8%	76.1%	64.5%	69.0%	65.6%	70.6%	74.1%	77.7%	77.5%	76.6%	59.3%
	2006	74.0%	74.3%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.2%	75.2%	73.2%	56.1%
	2007	74.0%	74.3%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.1%	75.1%	73.2%	56.1%
	2008	74.0%	71,7%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.4%	75.5%	73.2%	56.1%
20	2009	74.0%	74.3%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.5%	75.5%	73.2%	56.1%
Projected	2010	74.0%	74.3%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63,2%	69.1%	73.5%	75.5%	73.2%	56.1%
ĕ	2011	74.0%	74.3%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.5%	75.5%	73.2%	56.1%
ď.	2012	74.0%	71.7%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.4%	75.4%	73.2%	56.1%
	2013	74.0%	74.3%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.2%	75.3%	73.2%	56.1%
	2014	74.0%	74.3%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.3%	75.3%	73.2%	56.1%
	2015	74.0%	74.3%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.3%	75.4%	73.2%	56.1%
έ	1996-2005	76.5%	76.3%	76.3%	71.3%	67.7%	61.4%	65.8%	63.7%	62.8%	73.7%	76.0%	76.5%	76.1%	56.1%
á	2006-2015	74.0%	73.8%	74.2%	73.0%	70.1%	61.4%	64.8%	64.0%	63.2%	69.1%	73.3%	75.4%	73.2%	56 1%

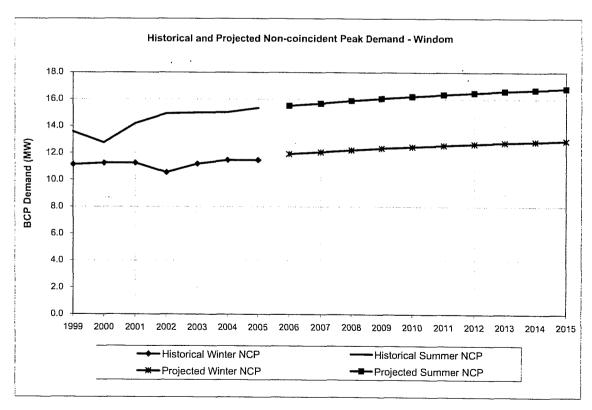
Willmar Monthly Coincident-Peak Demand (MW)

	Year	Јап	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	46.2	45.6	43.3	41.6	43.1	56.4	59.5	56.7	53.1	46.2	44.5	46.0	46.2	59.5
	2007	47.2	46.7	44.3	42.5	44.1	57.7	60.9	58.0	54.3	47.2	45.5	47.1	47.2	60.9
	2008	48.3	47.7	45.3	43.5	45.1	59.0	62.3	59.4	55.6	48.3	46.4	48.0	48.3	62.3
멎	2009	49.2	48.6	46.2	44.3	46.0	60.1	63.5	60.5	56.7	49.2	47.2	48.9	49.2	63.5
ğ	2010	50.1	49.5	47.0	45.1	46.8	61.2	64.6	61.6	57.7	50.1	48.1	49.7	50.1	64.6
Projected	2011	51.0	50.4	47.9	45.9	47.7	62.3	65.8	62.7	58.7	51.0	49.0	50.6	51.0	65.8
ŭ	2012	52.0	51.4	48.7	46.8	48.5	63.5	67.0	63.9	59.8	52.0	49.9	51.6	52.0	67.0
	2013	53.0	52.3	49.7	47.7	49.5	64.7	68.3	65.1	61.0	53.0	51.0	52.7	53.0	68.3
	2014	54.1	53.5	50.8	48.7	50.5	66.1	69.8	66.5	62,3	54.1	52.0	53.8	54.1	69.8
	2015	55.2	54.6	51.8	49.7	51.6	67.5	71.2	67.9	63.6	55.2	53.1	54.9	55.2	71.2
	2016	56.3	55.7	52.9	50.7	52.6	68.8	72.7	69.3	64.9	56.4	54.1	56.0	56.3	72.7
	2017	57.5	56.8	53.9	51.7	53.7	70.2	74.1	70.7	66,2	57.5	55.2	57.2	57.5	74.1
	2018	58.6	58.0	55.0	52.8	54.8	71.6	75.6	72.1	67.5	58.7	56.4	58.3	58.6	75.6
Ę.	2019	59.8	59.1	56.1	53.9	55.9	73.1	77.1	73.5	68.9	59.8	57.5	59,5	59.8	77.1
ojected	2020	61.0	60.3	57.2	54.9	57.0	74.5	78.7	75.0	70.2	61.0	58.7	60.7	61.0	78.7
	2021	62.2	61.5	58.4	56.1	58.2	76.0	80.3	76.5	71.7	62.3	59.9	61.9	62.2	80.3
ፚ	2022	63.5	62.8	59.6	57.2	59.3	77.6	81.9	78.1	73.1	63.6	61.1	63.2	63.5	81.9
	2023	64.8	64.1	60.8	58.4	60.6	79.2	83.6	79.7	74.6	64.9	62.3	64.5	64.8	83.6
	2024	66.1	65.4	62.0	59.6	61.8	80.8	85.3	81.3	76.1	66.2	63.6	65.8	66.1	85.3
	2025	67.5	66.7	63.3	60.7	63.0	82.4	87.0	82.9	77.7	67.5	64.8	67.1	67.5	87.0

Monthly Coincidence Factors

											•				
	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
	2007	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
	2008	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
B	2009	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
ğ	2010	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
-	2011	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
4	2012	100.0%	100.0%	100.0%	99.0%	100.0%	99,3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
	2013	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
	2014	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
	2015	100.0%	100.0%	100.0%	99.0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98.8%
	2006-2015	100.0%	100.0%	100.0%	99,0%	100.0%	99.3%	98.8%	97.2%	99.0%	100.0%	99.3%	100.0%	100.0%	98,8%





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Windom

Historical and Projected Net Energy Requirements and Peak Demand

			Net Energ	y Requireme	ents (CY)			Non-	Coincider	ıt Peak Dem	and		Co	incident P	eak Demand	I
	•	Actual	Percent	Normalized	Percent	Percent	Winter	Percent	Load	Summer	Percent	Load	Winter	Percent	Summer	Percent
	Year	(MWh)	Change	(MWh)	Change	Diff.	(MW)	Change	Factor	(MW)	Change	Factor	(MW)	Change	(MW)	Change
'	1996	56,281		56,702		0.7%	10.3	•	62.3%	12.4	•	51.7%	#N/A	•	#N/A	-
	1997	58,846	4.6%	59,249	4.5%	0.7%	9.6	-7.1%	70.2%	14.0	12.3%	48.1%	#N/A	#N/A	#N/A	#N/A
	1998	58,775	-0.1%	58,509	-1.2%	-0.5%	10.3	7.7%	65.1%	12.6	-9.4%	53.1%	#N/A	#N/A	#N/A	#N/A
평	1999	62,233	5.9%	61,914	5.8%	-0.5%	11.1	7.9%	63.8%	13.6	7.3%	52.3%	#N/A	#N/A	#N/A	#N/A
Historical	2000	63,061	1.3%	63,037	1.8%	0.0%	11.3	1.1%	64.0%	12.8	-6.0%	56.4%	#N/A	#N/A	#N/A	#N/A
iste	2001	64,334	2.0%	63,242	0.3%	-1.7%	11.3	0.0%	65.3%	14.2	11.2%	51.8%	#N/A	#N/A	#N/A	#N/A
Ï	2002	68,102	5.9%	66,613	5.3%	-2.2%	10.5	-6.3%	73.7%	14.9	5.2%	52.1%	#N/A	#N/A	#N/A	#N/A
	2003	72,214	6.0%	71,223	6.9%	-1.4%	11.2	6.0%	73.7%	15.0	0.5%	55.0%	#N/A	#N/A	#N/A	#N/A
	2004	70,730	-2.1%	71,390	0.2%	0.9%	11.5	2.5%	70,4%	15.0	0.2%	53.7%	#N/A	#N/A	#N/A	#N/A
	2005	72,488	2.5%	70,827	-0.8%	-2.3%	11.5	0.0%	72.2%	15.4	2.1%	53.9%	#N/A	#N/A	#N/A	#N/A
	2006	71,674	-1.1%	71,674	1.2%		11.9	3.9%	68.7%	15.5	1.0%	52.8%	11.4	#N/A	14.7	#N/A
	2007	72,486	1.1%	72,486	1.1%		12.1	1.1%	68.7%	15.7	1.1%	52.8%	11.5	1.1%	14.9	1.1%
	2008	73,398	1.3%	73,398	1.3%		12.2	1.3%	68.7%	15.9	1.3%	52.8%	11.7	1.3%	15.1	1.3%
	2009	74,222	1.1%	74,222	1.1%		12.3	1.1%	68.7%	16.1	1.1%	52.8%	11.8	1.1%	15,2	1.1%
	2010	74,910	0.9%	74,910	0.9%		12.5	0.9%	68,7%	16.2	0.9%	52.8%	11.9	0.9%	15.4	0.9%
	2011	75,564	0.9%	75,564	0.9%		12.6	0.9%	68.7%	16.4	0.9%	52.8%	12.0	0.9%	15.5	0.9%
	2012	76,157	0.8%	76,157	0.8%		12.7	0.8%	68.7%	16.5	0.8%	52.8%	12.1	0.8%	15.6	0.8%
	2013	76,677	0.7%	76,677	0.7%		12.7	0.7%	68.7%	16.6	0.7%	52.8%	12.2	0.7%	15.7	0.7%
Ď	2014	77,144	0.6%	77,144	0.6%		12.8	0.6%	68.7%	16.7	0.6%	52.8%	12.3	0.6%	15.8	0.6%
č	2015	77,565	0.5%	77,565	0.5%		12.9	0.5%	68,7%	16.8	0.5%	52.8%	12.3	0.5%	15.9	0.5%
Projected	2016	77,945	0.5%	77,945	0.5%		13.0	0.5%	68.7%	16.9	0.5%	52.8%	12.4	0.5%	16.0	0.5%
ā.	2017	78,338	0.5%	78,338	0.5%		13.0	0.5%	68.7%	17.0	0.5%	52.8%	12.4	0.5%	16.1	0.5%
	2018	78,669	0.4%	78,669	0.4%		13.1	0.4%	68.7%	17.0	0.4%	52.8%	12.5	0.4%	16.2	0.4%
	2019	78,915	0.3%	78,915	0.3%		13.1	0.3%	68.7%	17.1	0.3%	52.8%	12.5	0.3%	16.2	0.3%
	2020	79,131	0.3%	79,131	0.3%		13.2	0.3%	68.7%	17.1.	0.3%	52.8%	12.6	0.3%	16.3	0.3%
	2021	79,310	0.2%	79,310	0.2%		13.2	0.2%	68.7%	17.2	0.2%	52.8%	12.6	0.2%	16,3	0.2%
	2022	79,506	0.2%	79,506	0.2%		13.2	0.2%	68.7%	17.2	0.2%	52.8%	12.6	0.2%	16.3	0.2%
	2023	79,715	0.3%	79,715	0.3%		13.3	0.3%	68.7%	17.2	0.3%	52.8%	12.7	0.3%	16.4	0.3%
	2024	79,884	0.2%	79,884	0.2%		13.3	0.2%	68.7%	17.3	0.2%	52.8%	12.7	0.2%	16.4	0.2%
	2025	80,048	0.2%	80,048	0.2%		<u>1</u> 3.3	0.2%	68.7%	17.3	0.2%	52.8%	12.7	0.2%	16.4	0.2%
<u>م</u>	Thru 2005		2.9%		2.5%			1.2%	68.1%		2.4%	52.8%		#N/A		#N/A
AAGR	2006-2015		0.9%		0.9%			0.9%	68.7%		0.9%	52.8%		0.9%		0.9%
∢	2016-2025		0.3%		0.3%			0.3%	68.7%		0.3%	52.8%		0.3%		0.3%

Monthly Net Energy Requirements (MWh) mobniW

800,08	840,08	447,8	6,302	664,8	608,8	£72,7	288,7	PPB'9	6,2,19	650'9	119'9	6,211	566,8	5052	-
248,8Y	P88,67	067,8	062,8	984,8	967'9	7,258	888,T	068,8	6,207	740,8	862,8	861,8	678, 9	2024	
Þ99'6Z	S11,61	917,8	972,8	6,472	584,8	7,242	7,850	918,8	661,8	6.034	Þ85,8	581,8	298,8	2023	
824,97	909'64	869,8	092'9	6,455	394,8	£22,7	628,7	767,8	771,8	810,8	786,8	691'9	748,8	2022	70
992,67	016,67	Z89'9	6,244	6£4,8	6449	7,206	018,7	187,8	6,162	6,003	6,550	421,8	058,8	2021	Projected
870,67	151,67	499'9	6,230	624,8	6,434	681,7	Z67,7	99L'9	841,8	066'9	955,8	011,0	618.6	5050	č
326,87	216,87	649,9	6,213	704,8	714,8	071,7	177,7	747,8	151,8	£76,8	816,8	6,123	967,8	5018	e d
886,87	699,87	829'9	¥61,8	785,8	766,8	LD1'L	TPT, T	927,8	6,112	56,6	864,8	401,8	277,8	2018	
242,87	8EE,87	009'9	891,8	09£,8	076,8	411,7	417,7	869'9	980,3	DE6'S	074.8	670.8	947,8	2017	
Z88,77	246,77	796,8	7£1,8	826,8	868,8	280,7	279,T	499,9	990'9	5'800	864.8	840,8	Z17,8	2016	
23p,77	393,77	868,8	701,8	865,8	705,8	740,7	869,7	159,8	6,026	178,2	904,8	610,8	089,8	2015	-
0£0,77	PP1,TT	667'9	470,8	6,263	6,273	600'2	966,7	565,6	Þ66'S	668,8	575.8	986,8	6,643	2014	
066,87	778,87	094'9	760,8	6,226	6,235	996'9	1.55.7	999'9	786,8	5,804	ECE, 8	056'9	6,603	2013	
S10,87	781,87	814,8	966'9	6,183	Se1,8	616,8	664,7	112,8	716.2	597,2	065,8	606'9	855,8	2012	פַ
404,2T	482,2T	886,8	676.2	861,8	9114	598,9	100,7	094.9	178.2	5,720	6,241	5,863	502,8	2011	<u>ö</u> .
S47,47	019,47	6,311	868,2	Z80, a	160,8	908,8	97£,7	404,8	5,820	078,8	781,8	5,812	124,8	2010	Projected
120,47	74,222	6,253	5,844	920,8	860,8	£47,8	60C.7	945,8	787,2	818,8	061,8	687,8	Z6£,a	2009	ě.
371,6Y	866,67	PB1,8	677, 2	696'9	896,2	699'9	822,7	6,275	£07,2	955,2	590,8	569.5	126,8	2008	
72,287	984,57	701,8	707,8	288,2	Þ68,2	985,8	BE1,7	761,8	5.632	784,2	486 S	5,624	6,242	2002	
71,623	478,17	850,8	5,643	618,8	5,828	6,512	850,7	821,8	695'5	5,425	6,920	199'9	6,172	2008	
72,327	884,27	590,8	979'5	S87,8	640,8	6,353	7,127	889'9	709,8	5,500	856,8	702, 2	6,250	2002	•
71,020	0£7,0Y	Z26'S	309,3	FET, B	611,8	186,3	865,8	366,2	e1a,2	7.EE, B	788,6	407, B	6,200	2004	
917,17	72,214	791,8	808,2	208,2	817,2	7,026	SE6,8	976,8	5,652	784,2	860,8	748,2	821,8	Z003	
f 22, 33	S01,88	477,8	5,612	769, c	188,8	481,8	261,7	266,2	280,2	5,026	404,8	886,4	5,682	2002	#
∀/N#	PEE'49	836,8	856,4	75S,2	488,4	6,045	976,8	£81,2	790,8	770,p	044'5	691,2	199,3	2001	Sta
A\N#	A/N#	A\N#	A/N#	A\N#	∀/N#	A/N#	A/N#	A/N#	A\N#	A/N#	∀/N#	A/N#	∀/N#	2000	Historical
A/N#	A/N#	∀/N#	A/N#	A/N#	∀/N#	∀/N#	A/N#	A/N#	A\N#	∀/N#	V/N#	A/N#	∀/N#	6661	<u>8i</u>
AIN#	AIN#	AIN#	A1N#	AW#	A\N#	A\N#	A\N#	AIN#	A/N#	A\N#	A/N#	A/N#	A/N#	8661	
A/N#	A\N#	A/N#	A/N#	A\N#	A/N#	∀/N#	∀/N#	A/N#	A/N#	∀/N#	A/N#	A/N#	A\N#	7661	
A\N#	A\N#	A\N#	A\N#	A/N#	A/N#	∀/N#	A/N#	∀/N#	A/N#	∀/N#	A/N#	∀/N#	A/N#	9661	_
FY Total	LetoT YO	a∍□	VOM	15O	Sep	Bn∀	աւ	սոր	γeΜ	ηфΑ	Mar	de∃	net	YeaY	

Monthly Energy Allocation Factors

%0.001	%Þ.8	%6°L	%1.8	%1.8	%1'6	%8.6	%G.8	%8'L	%9 [.] 7	%£.B	%8.7	%9'8	2006-2015	≻
A/N#	∀/N#	∀/N#	∀/N#	∀/N#	∀/N#	A/N#	V/N#	A/N#	∀/N#	V/N#	V/N#	∀/N#	1886-2005	Avg.
100.0%	%Þ.8	%6'L	%1.8	%L'8	%1.6	%8.6	%G.B	%B.7	%9 [.] 7	%E.8	%B.T	%9.8	2015	
40.00%	%Þ.8	%6°Z	%1.B	%1.8	%1.6	%8.6	%S'8	%8.T	%9 [.] 7	%E.8	%8.7	%9.8	5014	
100.0%	%b.B	%6.T	%1.8	%1.B	%1.6	%8.6	%S.8	%8.T	%9 [.] 7	%E.B	%8.T	%9 ′8	2013	
40.00%	% p. B	%6.T	%1.B	%1.8	%1'6	%8 '6	%g:8	%B.T	%9 [.] 7	%E.8	%8.T	%9'8	2012	70
100.0%	%Þ.B	%6.T	%1.B	%L'8	%1.6	%8.6	%S'8	%8.T	%9.T	%£.8	%8.7	%9'8	1102	₫.
40.001	% b. B	%6.7	%1.8	8.1%	%1.6	%8.6	%S.B	%8'L	%9.7	%£.8	%B.7	%9 '8	2010	Projected
100.0%	%4.8	%6°L	%1.8	%1.8	%L'6	%8.6	%S'B	%8.7	%9°Z	%£.8	%B.7	%9.8	5003	ed.
40.001	%Þ.8	%6°L	%1.B	%1.8	%L'6	%8'6	%S'8	%8.T	%9.T	%£.8	%8.7	%9.8	2008	
%0.00f	%Þ.B	%6.7	%r.8	%1.8	%1.e	%8.6	%5.8	%8.T	%9°L	%E.B	%B.7	%9.8	2002	
40.001	% t B	%6°L	%1.8	8.1%	9.1%	%8.6	%S.B	%B.T	%9 [.] 7	%£.8	%8.7	%9 '8	2006	
40.001	%Þ.B	%B.7	%6 Z	%£.8	%8.8	%8'6	%2'6	%1.7	%9.7	8.2%	%9 [.] 7	%9'8	2002	
400.001	% t. B	%6°Z	%1.8	%L'B	%918	%6.6	%S'8	%6.T	%G.7	%£.8	%1.8	%8.8	\$00Z	
100.0%	%G'8	%B.7	%0.8	%6`L	%4.6	%9'6	%E.8	%8.7	%9°L	%Þ.8	%8.T	%S.8	2003	
100.0%	%g'8	%Z.8	%Þ'8	%Z.B	%1.6	49.01	%7.8	%G.T	%b.7	%6.7	%£.7	%£.8	2002	I
100.0%	%£.8	%L'L	8.1%	%9°L	%Þ'6	%6'6	%1.8	%6°Z	%L'L	%S.B	%0.8	%8.8	2001	Historical
∀/N#	∀/N#	∀/N#	A/N#	A/N#	∀/N#	V/N#	∀/N#	∀/N#	A/N#	∀/N#	A/N#	∀/N#	2000	<u>9</u> .
∀/N#	A/N#	∀/N#	A/N#	A/N#	∀/N#	A/N#	A/N#	A/N#	V/N#	∀/N#	V/N#	V/N#	1888	2
∀/N#	∀/N#	∀/N#	∀/N#	∀/N#	V/N#	∀/N#	A/N#	A/N#	V/N#	A/N#	∀/N#	A/N#	8661	_
V/N#	V/N#	V/N#	A/N#	V/N#	V/N#	V/N#	A/N#	V/N#	V/N#	A/N#	A/N#	A/N#	7661	
∀/N#	A/N#	A/N#	V/N#	V/N#	A/N#	∀/N#	∀/N#	∀/N#	A/N#	A\N#	∀/N#	A/N#	9661	
IsloT	Dec	VON	15O	dəs	₿n₩	lut	սու	YeM	19A	16M	Feb	กลน	Year	
IstoT	Dec	VoM	toO	Sep	₿n∀	lut	սու	γeM	1qA	16M		Feb	dea Reb	Year Jan Feb

Windom
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
•	1996	#N/A	#N/A												
	1997	#N/A	#N/A												
	1998	#N/A	#N/A												
77	1999	#N/A	#N/A												
差	2000	#N/A	#N/A												
Historical	2001	10.7	10.4	10.0	9.9	11.2	12.2	14.2	14.2	11.9	10.4	10.1	10.2	#N/A	14.2
Ï	2002	10.5	10.2	10.1	10.0	11.9	13.9	14.9	12.3	13.0	10.6	10.7	11.0	10.5	14.9
	2003	11.1	11.2	11.0	10.7	11.0	14.0	14.3	15.0	12.3	11.2	11.0	11.2	11.2	15.0
	2004	11.5	10.8	10.7	10.7	11.3	14.1	15.0	13.8	14.3	10.8	10.8	11.5	11.5	15.0
_	2005	11.2	10.7	10.6	10.8	10.7	15.4	14.8	14.9	13.6	12.3	11.0	11.4	11.5	15.4
	2006	11.9	11.5	11.3	10.9	12.1	14.9	15.5	14.2	13.3	11.1	11.5	11.8	11.9	15.5
	2007	12.1	11.6	11.4	11.0	12.2	15.1	15.7	14.3	13.4	11.3	11.7	12.0	12.1	15.7
	2008	12.2	11.8	11.5	11.1	12.4	15.3	15.9	14.5	13.6	11.4	11.8	12.1	12.2	15.9
2	2009	12.3	11.9	11.7	11.2	12.5	15.5	16.1	14.7	13.8	11.5	11.9	12.2	12.3	16.1
ect.	2010	12.5	12.0	11.8	11.3	12.6	15.6	16.2	14.8	13.9	11.6	12.0	12.3	12.5	15.2
Projected	2011	12.6	12.1	11.9	11.4	12.7	15.7	16.4	14.9	14.0	11.7	12.1	12.4	12.6	15.4
ā.	2012	12.7	12.2	12.0	11.5	12.8	15.9	16,5	15.0	14.1	11.8	12.2	12.5	12.7	16.5
	2013	12.7	12.3	12.0	11.6	12.9	16.0	16.6	15.1	14.2	11.9	12.2	12.6	12.7	16.6
	2014	12.8	12.4	12.1	11.7	13.0	16.1	16.7	15.2	14.3	12.0	12.3	12.6	12.8	16.7
-	2015	12.9	12.4	12.2	11.7	13.1	16.2	16.8	15.3	14.4	12.0	12.4	12.7	12.9	16.8
	2016	13.0	12.5	12.2	11.8	13,1	16.2	16.9	15.4	14.5	12.1	12.4	12.8	13.0	16.9
	2017	13.0	12.5	12.3	11.9	13.2	16.3	17.0	15.5	14.5	12.2	12.5	12.8	13.0	17.0
	2018	13.1	12,6	12.3	11.9	13.2	16.4	17.0	15.5	14.6	12.2	12.5	12.9	13.1	17.0
pa a	2019	13.1	12.6	12.4	11.9	13.3	16.4	17.1	15.6	14.6	12.3	12.6	12.9	13.1	17.1
ដ	2020	13.2	12.7	12.4	12.0	13.3	16.5	17.1	15.6	14.7	12.3	12.6	12.9	13.2	17.1
Projected	2021	13.2	12.7	12.4	12.0	13.4	16.5	17.2	15.7	14.7	12.3	12.6	13.0	13.2	17.2
ď.	2022	13.2	12.7	12.5	12.0	13.4	16.6	17.2	15.7	14.7	12.4	12.7	13.0	13.2	17.2
	2023	13.3	12.8	12.5	12.1	13.4	16.6	17.2	15.7	14.8	12.4	12.7	13.0	13.3	17.2
	2024	13.3	12.8	12.5	12.1	13.5	16.6	17.3	15.8	14.8	12.4	12.7	13.0	13.3	17.3
	2025	13.3	12.8	12.6	12.1	13.5	16.7	17,3	15.8	14.8	12.4	12.7	13.1	13.3	17.3

Monthly Load Factors

	Year	Jan_	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	1996														
	1997														
	1998														
m	1999														
2	2000														
Historical	2001	70.9%	73.8%	72.9%	69.5%	60.9%	58.9%	60.4%	57.3%	56.9%	67.9%	67.7%	70.3%		51.8%
Ĩ	2002	72.4%	72.7%	72.0%	69.5%	57.2%	59.1%	64.8%	67.8%	59.5%	72.5%	72.7%	70.8%	73.7%	52.1%
	2003	74.6%	75.2%	74.0%	71.2%	68.9%	59.1%	65.2%	63.0%	64.5%	69.5%	70.5%	73.9%	73.7%	55.0%
	2004	72.7%	75.6%	74.1%	69.3%	66.8%	59.1%	59.0%	58.2%	59.3%	71.6%	71.9%	69,8%	70.4%	53.7%
	2005	74.7%	76.8%	75.2%	70.9%	70.2%	60.5%	64.9%	57.2%	61.9%	62.9%	70.8%	71.5%	72.2%	53.9%
	2006	69.6%	72.1%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.1%	68.7%	68.7%	52.8%
	2007	69.6%	72.1%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.0%	68.6%	68.7%	52.8%
	2008	69.6%	69.6%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.1%	68.7%	68.7%	52.8%
ō	2009	69.6%	72.1%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.3%	68.8%	68.7%	52.8%
Projected	2010	69.6%	72.1%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.3%	68.9%	68.7%	52.8%
oje	2011	69.6%	72.1%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.4%	68.9%	68.7%	52.8%
ď.	2012	69.6%	69.6%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.4%	69.0%	68.7%	52.8%
	2013	69.6%	72.1%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60,9%	70.2%	68.5%	69.0%	68.7%	52.8%
	2014	69.6%	72.1%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.5%	69.1%	68.7%	52.8%
	2015	69.6%	72.1%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	· 70.2%	68.6%	69.1%	68.7%	52.8%
έż	1996-2005	73.1%	74.8%	73.6%	70.1%	64.8%	59,3%	62.9%	60.7%	60.4%	68.9%	70.7%	71.3%	72.5%	53.3%
₹	2006-2015	69.6%	71.6%	70.7%	69.4%	62.0%	57.0%	61.2%	61.8%	60.9%	70.2%	68.3%	68.9%	68.7%	52.8%

Windom Monthly Coincident-Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	11.4	11.2	11.0	10.4	11,5	14.7	14.7	13.6	13.1	10.7	11.2	11.4	11.4	14.7
	2007	11.5	11.3	11.1	10.5	11.6	14.8	14.9	13.7	13.3	10.8	11.4	11.6	11.5	14.9
	2008	11.7	11.4	11.3	10.6	11.8	15.0	15.1	13.9	13.4	11.0	11.5	11.7	11.7	15.1
교	2009	11.8	11.6	11.4	10.7	11.9	15.2	15.2	14.0	13.6	11.1	11.6	11.8	11.8	15.2
Projected	2010	11.9	11.7	11.5	10.8	12.0	15.3	15.4	14.2	13.7	11.2	11.7	11.9	11.9	15.4
충	2011	12.0	11.8	11.6	10.9	12.1	15.5	15.5	14.3	13.8	11.3	11.8	12.0	12.0	15.5
ď	2012	12.1	11.9	11.7	11.0	12.2	15.6	15.6	14.4	13.9	11.4	11.9	12.1	12.1	15.6
	2013	12.2	12.0	11.8	11.1	12,3	15.7	15.7	14.5	14.0	11.5	11.9	12.2	12.2	15.7
	2014	12,3	12.0	11.9	11.2	12.4	15.8	15.8	14.6	14.1	11.5	12.0	12.2	12.3	15.8
	2015	12,3	12.1	11.9	11.2	12.5	15.9	15.9	14.7	14.2	11.6	12.1	12.3	12.3	15.9
	2016	12.4	12.2	12.0	11.3	12.5	15.9	16.0	14.7	14.3	11.6	12.1	12.4	12.4	16.0
	2017	12.4	12.2	12.0	11.3	12.6	16.0	16.1	14.8	14.3	11.7	12.2	12,4	12.4	16.1
	2018	12.5	12.3	12.1	11.4	12.6	16.1	16.2	14.9	14.4	11.8	12.2	12.4	12.5	16.2
0	2019	12.5	12.3	12.1	11,4	12.7	16.1	16.2	14.9	14.4	11.8	12.2	12.5	12.5	16.2
rojected	2020	12.6	12.3	12.2	11.4	12.7	16.2	16.3	15.0	14.5	11.8	12.3	12,5	12.6	16.3
9	2021	12.6	12.4	12.2	11.5	12.7	16.2	16.3	15.0	14.5	11.9	12.3	12.5	12.6	16.3
ď.	2022	12.6	12.4	12.2	11.5	12.8	16.3	16.3	15.0	14.6	11.9	12.3	12.6	12.6	16.3
	2023	12.7	12.4	12.3	11.5	12.8	16.3	16.4	15.1	14.6	11.9	12.4	12.6	12.7	16.4
	2024	12.7	12.5	12.3	11.6	12.8	16.3	16.4	15.1	14.6	11.9	12.4	12.6	12.7	16.4
	2025	12.7	12.5	12.3	11.6	12.9	16.4	16.4	15.1	14.7	12.0	12.4	12.7	12.7	16.4

Monthly Coincidence Factors

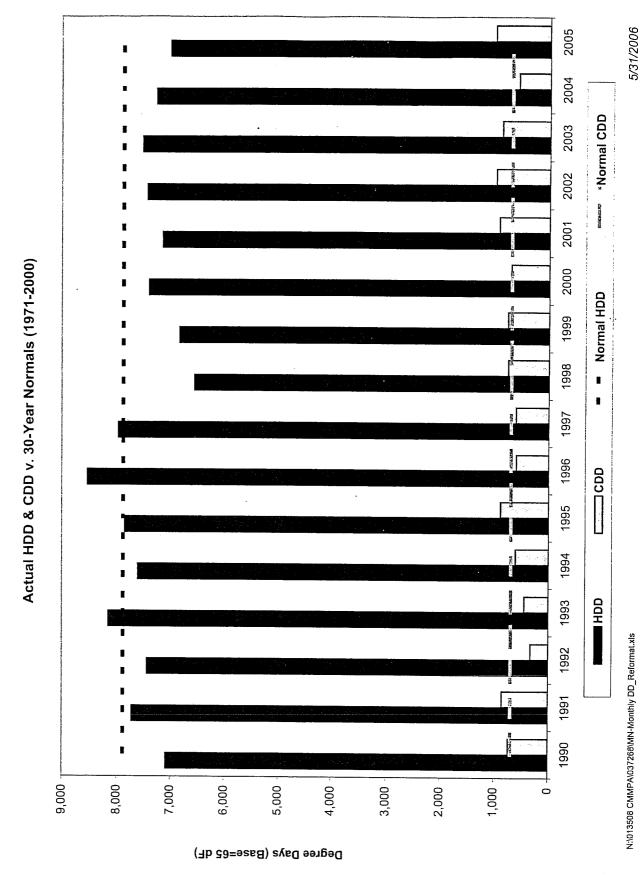
	Year	Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
	2006	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94,9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%
	2007	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%
	2008	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94.9%	95.7%	98.7%	,96.2%	97.5%	96.8%	95.5%	94.9%
g	2009	95.5%	97,4%	98.0%	95.6%	95,3%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%
ŧ	2010	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%
ĕ	2011	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%
ď	2012	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%
	2013	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%
	2014	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95,5%	94.9%
	2015	95.5%	97.4%	98.0%	95.6%	95.3%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%
	2006-2015	95.5%	97.4%	98.0%	95.6%	97.4%	98.2%	94.9%	95.7%	98.7%	96.2%	97.5%	96.8%	95.5%	94.9%

Appendix C HISTORICAL WEATHER DATA



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Year	Jan	Feb	Mar	Apr	May	Jun	Jul -	Aug	Sep	Oct	Nov	Dec	Annual
Heating D	egree Days	5											
1990	1,194	1,151	899	569	274	37	2	5	136	516	820	1.483	7,086
1991	1,621	1,129	945	481	197	3	7	8	228	548	1,206	1,353	7,726
1992	1,332	1,067	981	636	190	72	32	52	182	542	1,003	1,351	7,440
1993	1,557	1,335	1,096	617	243	70	3	18	302	566	1,025	1,321	8,153
1994	1,873	1,444	932	569	180	27	2	45	99	390	802	1,250	7,613
1995	1,433	1,273	924	678	247	47	6	0	201	511	1,123	1,414	7,857
1996	1,693	1,356	1,222	699	304	62	3	2	167	500	943	1,583	8,534
1997	1,688	1,255	1,100	653	351	6	27	26	113	483	1,101	1,173	7,976
1998	1,414	917	1,019	423	104	107	0	0	74	422	829	1,249	6,558
1999	1,625	1,034	958	422	171	76	0	2	174	471	690	1,214	6,837
2000	1,515	1,070	734	542	176	72	12	1	146	364	1,008	1,771	7,411
2001	1,386	1,483	1,155	497	197	54	8	2	162	505	552	1,152	7,153
2002	1,243	1,021	1,234	588	348	30	0	4	119	711	951	1,197	7,446
2003	1,532	1,372	1,037	505	228	30	0	0	175	441	979	1,232	7,531
2004	1,661	1,250	892	456	260	60	8	50	59	457	810	1,308	7,271
2005	1,525	1,073	1,022	394	268	. 0	0	3	61	416	845	1,403	7,010
Normal	1,616	1,279	1,034	560	222	44	7	20	178	516	978	1,428	7,882
Cooling D	egree Days	5											
1990	0	0	0	28	11	178	206	191	125	1	0	0	740
1991	0	0	0	8	109	246	238	205	51	0	0	0	857
1992	0	0	0	3	56	96	64	88	28	2	0	0	337
1993	0	0	0	0	12	60	176	195	8	0	0	0	451
1994	0	0	0	3	52	183	167	126	86	0	0	0	617
1995	0	0	0	0	3	240	264	308	63	9	0	0	887
1996	0	0	0	0	20	142	168	181	87	4	0	0	602
1997	0	0	0	0	1	163	222	150	41	33	0	0	610
1998	0	0	0	0	62	111	243	212	130	0	0	0	758
1999	0	0	0	0	28	151	357	166	64	0	0	0	766
2000	0	0	0	0	55	111	249	228	53	8	0	0	704
2001	0	0	0	8	38	184	351	293	46	2	0	0	922
2002	0	0	0	18	33	221	379	195	141	0	0	0 .	987
2003	0	0	0	13	8	130	278	326	108	16	0	0	879
2004	0	0	0	10	8	81	239	98	140	2	0	0	578
2005	0	0	0	7	6	263	372	217	106	30	0	0	1,001
Normal	0	0	0	4	41	146	259	190	56	3	0	0	699

Appendix D BIG STONE II MEMBER ECONOMIC DATA

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Table D - 1

Historical and Projected Economic Trends of the Big Stone II Member Counties
(Source: Economy.com)

City of Blue Earth (Faribalt County)

Mid-range Economic Case	Populatio	on (Ths.)	Househol	ds (Ths.)	Nonf Employme		Manufac Employme	-	Gross De Product (\$		Personal (\$M; \$		Personal In		Retail Sa \$199	
	<u>Value</u>	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg	Value	% Chg	<u>Value</u>	% Chg	Value	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg
1992	16.6	-	6.7	-	4.6	-	1.48	-	251	-	318	-	47,592	-	76	-
1993	16.6	-0.3%	6.7	-0.1%	4.5	-2.3%	1.35	-8.4%	242	-3.5%	278	-12.7%	41,561	-12.7%	81	6.4%
1994	16.6	-0.2%	6.7	0.1%	5.5	22.2%	1.41	4.1%	302	24.8%	328	17.8%	48,925	17.7%	85	5.0%
1995	16.5	-0.2%	6.7	0.1%	5.6	1.4%	1.48	5.3%	310	2.5%	313	-4.4%	46,732	-4.5%	85	-0.1%
1996	16.4	-0.7%	6.7	-0.4%	4.8	-14.5%	1.65	11.3%	291	-6.0%	349	11.6%	52,341	12.0%	90	6.2%
1997	16.5	0.3%	6.7	0.6%	5.8	22.0%	1.64	-0.8%	374	28.4%	349	-0.1%	51,944	-0.8%	86	-4.7%
1998	16.3	-0.9%	6.7	-0.7%	5.8	-0.8%	1.59	-3.0%	383	2.5%	354	1.6%	53,119	2.3%	90	4.2%
1999	16.3	-0.2%	6.7	0.1%	5.9	1.7%	1.63	2.7%	381	-0.6%	342	-3,6%	51,153	-3.7%	91	1.3%
2000	16.1	-0.9%	6.6	-0.6%	5.9	-0.1%	1.67	2.4%	394	3.5%	347	1.5%	52,221	2.1%	87	-4.4%
2001	16.0	-1.1%	6.6	-1.1%	5.6	-4.0%	1.57	-6.1%	377	-4.3%	334	-3.5%	50,938	-2.5%	88	1.2%
2002	15.9	-0.5%	6.5	-0.4%	6.0	6.4%	1,58	1.1%	421	11.6%	343	2.5%	52,393	2.9%	87	-0.4%
2003	15.7	-0.9%	6.5	-0.9%	5.8	-3.8%	1.51	-4.9%	430	2.2%	358	4.3%	55,129	5.2%	50	-43.4%
2004	15.7	-0.5%	6.5	-0.4%	5.9	1.8%	1.44	-4.4%	445	3.4%	368	2.8%	56,933	3.3%	20	-59,9%
2005	15.5	-1.0%	6.4	-0.9%	5.9	0.2%	1,44	0.1%	456	2.4%	371	0.8%	57,946	1.8%	18	-9.7%
2006	15.4	-0.6%	6.4	-0.3%	6.0	1.5%	1,46	1.2%	477	4.6%	377	1.8%	59,181	2.1%	19	4.2%
2007	15.3	-0.5%	6.4	-0.2%	6.0	0.4%	1.45	-0.6%	487	2.2%	380	0.8%	59,806	1.1%	19	0.6%
2008	15.2	-0.6%	6.3	-0.2%	6.0	-0.1%	1.43	-1.1%	501	2.9%	384	1.0%	60,541	1.2%	19	1.0%
2009	15.2	-0.6%	6.3	-0.2%	6.0	0.0%	1.42	-0.7%	515	2.7%	388	1.0%	61,257	1.2%	19	1.1%
2010	15.1	-0.6%	6.3	-0.2%	6.0	-0.4%	1.41	-1.2%	526	2.2%	394	1.5%	62,278	1.7%	19	1.0%
2011	15.0	-0.6%	6.3	-0.2%	6.0	-0.3%	1.39	-1.2%	537	2.0%	399	1.3%	63,228	1.5%	20	0.7%
2012	14.9	-0.6%	6.3	-0.2%	6.0	-0.1%	1.37	-1.2%	547	1.9%	406	1.7%	64,422	1.9%	20	1.0%
2013	14.8	-0.6%	6.3	-0.2%	5.9	-0.3%	1.36	-1.3%	555	1.5%	413	1.7%	65,651	1.9%	20	1.1%
2014	14.7	-0.6%	6.3	-0.2%	5.9	-0.4%	1.34	-1.3%	563	1.4%	419	1.5%	66,747	1.7%	. 20	0.9%
2015	14.6	-0.6%	6,3	-0.3%	5.9	-0.6%	1.32	-1.4%	570	1.3%	424	1.3%	67,813	1.6%	20	0.7%
2016	14.5	-0.6%	6.2	-0.3%	5.8	-0.9%	1.30	-1,6%	577	1.2%	430	1.4%	68,943	1.7%	20	0.6%
2017	14.5	-0.5%	6.2	-0.3%	5.8	-1.0%	1.28	-1.6%	585	1.3%	436	1.4%	70,084	1,7%	21	0.7%
2018	14.4	-0.5%	6.2	-0.3%	5.7	-0.9%	1.26	-1.7%	591	1.0%	442	1.4%	71,300	1.7%	21	0.7%
2019	14.3	-0.5%	6.2	-0.3%	5.7	-0.9%	1.23	-1.8%	595	0.7%	448	1.5%	72,578	1.8%	21	0.9%
2020	14.3	-0.5%	6.2	-0.3%	5,6	-0.9%	1.21	-1.8%	599	0.6%	455	1.5%	73,938	1.9%	21	0.8%
2021	14.2	-0.5%	6.1	-0.3%	5.6	-1.0%	1.19	-1.9%	602	0.5%	463	1.6%	75,355	1.9%	21	0.9%
2022	14.1	-0.4%	6.1	-0.4%	5.5	-1.1%	1.17	-1.9%	606	0.6%	470	1.6%	76,851	2.0%	21	0.9%
2023	14.1	-0.4%	6.1	-0.4%	5.4	-1.0%	1.14	-1.9%	610	0.7%	477	1.6%	78,396	2.0%	22	0.9%
2024	14.0	-0.4%	6.1	-0.4%	5.4	-0.9%	1.12	-1.9%	613	0.5%	485	1.6%	79,978	2.0%	· 22	0.9%
2025	14.0	-0.4%	6.0	-0.4%	5.3	-1.0%	1.10	-2.0%	616	0.5%	493	1.6%	81,609	2.0%	22	0.9%
Average Perce	nt Change					-										
1995-2005		-0.6%		-0.5%		0.5%		-0.3%		3.9%		1.7%		2.2%		-14.4%
2006-2015		-0.6%		-0.2%		-0.2%		-1.1%		2.0%		1.3%		1.5%		0.9%
2016-2025		-0.5%		-0.4%		-1.0%		-1.8%		0.7%		1.5%		1.9%		0.8%

Table D - 2

Historical and Projected Economic Trends of the Big Stone II Member Counties (Source: Economy.com)

City of Delano (Wright County)

Households (This)																	
No. China Households (Ths.) Frequent (Ths.) Frequent (Ths.) Frequent (Ths.) Frequent (Ths.) Frequent (Ths.) Frequent (Ths.) Households (Ths.) Households (Ths.) Product (St.) SCHB SCHB Value	Mid-range					Nonfa	E	Manufac	turing	Gross Dc	mestic	Personal	Income	Personal In	come per	Retail Sales (\$M;	les (\$M;
% Chia Value X Lane Value X Lane <	Economic Case		on (Ths.)	Household	ds (Ths.)	Employme	nt (Ths.)	Employme		Product (\$1	W; \$1996)	\$!W\$)	1996)	Househok	1 (\$1996)	\$1996)	96)
2.6% 2.45 - 192 - 2.6% 1.7% 1.006 - 1.477 0.00 - 1.009 2.2% 6.0357 - 0.09% 2.6% 2.6% 2.6% 3.1% 2.1% 2.1% 1.100 9.6% 1.509 2.2% 6.0357 - 2.6% 2.68 3.3% 2.1% 2.1% 2.1% 2.1% 2.2% 1.009 9.6% 1.161 7.0% 6.217 3.9% 2.7% 2.88 2.1% 2.1% 2.1% 3.99 6.1% 1.7% 6.0% 6.1% 1.169 9.6% 1.161 7.0% 6.317 3.9% 2.7% 2.96 3.7% 3.99 4.4% 1.16% 1.169 9.6% 1.161 7.0% 6.317 3.9% 2.7% 2.96 3.7% 3.96 1.16% 1.7% 1.0% 1.100 9.6% 1.100 9.6% 1.100 9.6% 1.100 9.6% 1.100 9.6% <th></th> <th>Value</th> <th>% Chg</th>		Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
2.8% 2.55 3.1% 2.04 4.059 5.2% 1.509 5.2%	1992	72.4	,	24.5	,	19.2	,	2.58	•	1,006	,	1,477	•	60,357	ı	524	•
2.2% 2.6 3.4% 2.18 7.9% 3.31 11.9% 1.16 9.6% 1.615 3.6% 1.67 3.6% 2.2.3 3.9% 2.2.8% 2.2.8% 2.2.8% 2.2.8% 2.2.8% 2.2.8% 1.77 3.6% 3.2.9% 2.2.8% 3.2.8%	1993	74.3	2.6%	25.2	3.1%	20.4	6.3%	2.96	14.7%	1,059	5.2%	1,509	2.2%	59,821	-0.9%	574	9.5%
2.2% 2.5% 2.5% 3.5% 3.5% 1.215 4.7% 1.677 6.0% 6.3.84 0.5% 2.7% 2.7.8 3.3% 2.27 4.3% 3.59 4.6% 1.77 6.0% 65.613 2.7% 2.7% 2.7% 2.7% 2.7% 2.7% 1.77 6.0% 6.513 2.7% 2.7% 2.2% 2.2% 1.768 6.6 6.6 8.2 7.7% 6.0% 6.513 2.7% 3.3% 3.1.7 3.9% 6.1% 4.4% 4.4% 4.4% 4.4% 4.4% 1.768 6.6 8.8% 2.7% 4.9% 3.1.7 3.9% 5.20 5.2% 1.187 2.4% 1.661 3.4% 2.8% 2.7% 1.768 6.6 8.8% 2.7% 1.788 6.9% 6.0 7.7% 1.481 1.681 2.8% 2.9% 6.7% 1.778 0.0 6.0% 1.778 0.0 0.0 1.778 0.0 0.	1994	76.3	2.6%	26.0	3.1%	21.8	7.0%	3.31	11.9%	1,160	9.6%	1,615	7.0%	62,137	3.9%	624	8.7%
2.7% 27.8 27.8 27.8 27.8 27.8 27.8 27.8 27.8 27.8 27.8 27.8 27.8 27.8 1.340 10.2% 1.77 6.0% 65.884 2.3% 2.4% 2.28 2.4% 2.29 6.4% 4.78 1.681 1.06 7.8 6.58 6.58 2.7% 3.3% 3.0.6 2.7% 2.29 6.4% 4.78 1.768 6.4% 2.148 2.96 6.88 4.7% 2.28 2.148 2.148 2.98 6.8682 4.7% 2.28 2.148 6.8% 7.1491 2.28 2.148 2.28 2.148 2.28 2.148 2.28 2.148 2.28 2.148 2.36 6.8% 7.147 0.28 4.7% 7.176 6.8% 7.147 0.28 4.7% 7.147 0.28 4.7% 7.147 0.28 4.7% 7.147 0.28 4.7% 7.147 0.09 2.2% 4.2% 2.148 6.6%	1995	78.4	2.8%	26.8	3.3%	22.7	4.3%	3.59	8.7%	1,215	4.7%	1,677	3.8%	62,449	0.5%	652	4.6%
2.7% 2.87 2.89 2.87 2.87 2.89 2.87 2.89 2.89 2.87 2.89 2.89 2.89 2.89 2.89 2.89 <th< th=""><th>1996</th><th>80.9</th><th>3.2%</th><th>27.8</th><th>3.6%</th><th>23.9</th><th>2.0%</th><th>3.81</th><th>6.1%</th><th>1,340</th><th>10.2%</th><th>1,777</th><th>%0.9</th><th>63,894</th><th>2.3%</th><th>698</th><th>6.9%</th></th<>	1996	80.9	3.2%	27.8	3.6%	23.9	2.0%	3.81	6.1%	1,340	10.2%	1,777	%0.9	63,894	2.3%	698	6.9%
2.4% 2.9.5 2.8% 2.6.3 6.4% 4.45 11.6% 16.61 12.2% 2.06 7.0% 6.8.8 4.7% 7.4% 1.06 1.2% 2.08 4.7% 7.0% 9.2% 3.3% 3.3% 3.1 3.3% 3.1 3.8% 2.06 5.2% 1.061 3.4% 2.148 6.0% 7.0% 7.0% 2.2% 4.7% 7.1 4.7% 7.1 4.7% 7.1 4.7% 7.1 4.7% 7.1 4.7% 7.1 4.7% 7.1 4.7% 7.1 4.7% 7.1 4.7% 7.2 4.7% 7.2 7.1 <	1997	83.1	2.7%	28.7	3.1%	24.7	3.5%	3.99	4.6%	1,481	10.6%	1,883	2.9%	65,613	2.7%	718	2.9%
3.3% 3.16 3.7% 2.7.9 6.1% 4.78 7.4% 1.78 6.4% 7.139 2.2% 3.3% 3.29 3.29% 2.02 1.897 7.3% 2.148 6.0% 70.199 2.2% 3.5% 3.29 3.2% 2.96 5.9% 2.12% 1.897 7.3% 2.489 0.7% 4.5% 3.29 3.3% 3.2 4.4% 3.25 6.3% 7.1439 0.2% 4.1% 3.75 4.1% 3.25 6.3% 2.247 6.0% 2.549 0.7% 7.1317 0.2% 4.1% 3.75 4.1% 3.25 5.247 6.0% 2.737 7.4% 7.1377 0.2% 3.2% 4.18 3.2% 3.64 2.247 6.0% 2.737 0.7% 3.2% 4.18 3.5% 3.61 2.8% 2.643 2.737 7.4% 7.294 0.7% 3.2% 4.18 3.2% 2.743 2.69 <t< th=""><th>1998</th><th>85.1</th><th>2.4%</th><th>29.5</th><th>2.8%</th><th>26.3</th><th>6.4%</th><th>4.45</th><th>11.6%</th><th>1,661</th><th>12.2%</th><th>2,026</th><th>7.6%</th><th></th><th>4.7%</th><th>744</th><th>3.5%</th></t<>	1998	85.1	2.4%	29.5	2.8%	26.3	6.4%	4.45	11.6%	1,661	12.2%	2,026	7.6%		4.7%	744	3.5%
3.3% 3.1.7 3.8% 2.9.6 5.9% 5.02 5.2% 1.887 7.3% 2.286 6.4% 7.137 2.5% 7.137 7.3% 7.137 2.5% 4.8% 4.8% 3.26 4.8% 4.3% 2.0 2.4% 4.96 2.2% 2.36 2.8% 7.1489 -0.2% 4.8% 3.45 3.2.5 3.3% 3.2.6 4.8% 2.247 6.0% 2.469 4.7% 7.271 0.2% 4.1% 3.4% 3.2.6 6.8% 2.247 6.0% 2.469 3.7% 7.077 -0.9% 3.2% 3.6 3.2% 3.28 3.4% 2.643 4.9% 2.967 3.7% 7.177 0.2% 3.2% 4.1 3.3% 3.6 3.3% 2.78 2.493 4.9% 7.377 7.077 0.0% 3.2% 4.1 3.7% 3.2 3.4% 2.643 4.9% 2.967 3.78 7.7220 0.0% 3.2%	1999	87.9	3.3%	30.6	3.7%	27.9	6.1%	4.78	7.4%	1,768	6.4%	2,148	%0.9		2.2%	845	13.7%
3.5% 3.2.9 3.5% 3.2.9 3.5% 3.2.9 3.6% 3.0.8 4.4% 4.96 -1.2% 1.961 3.4% 2.500 2.120 8.1% 2.458 7.1489 -0.7% 4.5% 3.4 4.9% 3.2 2.28% 2.120 8.1% 2.468 4.6% 7.1317 -0.2% 4.5% 3.6 4.6% 3.2% 4.69 -2.8% 2.400 6.0% 2.648 4.6% 7.1317 -0.2% 3.2% 4.1% 3.4% 3.2% 5.0 5.0 2.647 4.0% 7.377 0.0% 3.2% 4.1% 3.4% 4.2% 5.38 2.40 4.9% 2.747 4.0% 7.377 0.0% 3.2% 4.1% 3.6% 3.2% 5.1 2.8% 2.4% 4.9% 3.2% 7.7% 7.209 1.0% 3.2% 4.1% 3.2% 5.1 2.8% 2.4% 2.4% 7.209 1.0% 2.2% <	2000	8.06	3.3%	31.7	3.8%	29.6	2.9%	5.05	5.2%	1,897	7.3%	2,285	6.4%		2.5%	861	1.8%
4.8% 34.5 4.9% 32.5 5.3% 4.82 2.100 8.1% 2.458 4.69 7.1377 -0.2% 4.5% 3.6. 4.6% 3.2.5 4.69 2.28% 2.100 6.1% 2.458 4.7% 7.1070 -0.2% 4.1% 3.1% 3.3.5 3.3.6 5.08 2.89 2.643 4.7% 7.0707 -0.2% 3.3% 3.1% 3.2% 4.69 2.28% 2.630 5.0% 2.847 4.0% 7.294 3.7% 7.0707 -0.2% 3.2% 4.1% 3.2% 5.1 2.8% 2.643 4.7% 7.3% 7.3277 0.5% 3.2% 4.1% 3.2% 5.1 2.8% 2.643 4.7% 7.4% 7.2,277 0.5% 3.2% 4.1% 5.78 2.78 2.693 4.7% 3.359 4.3% 7.7327 0.5% 2.2% 4.1% 4.1% 4.1% 4.1% 4.1% 7.2 0.6%	2001	93.9	3.5%	32.9	3.5%	30.8	4.4%	4.96	-1.2%	1,961	3.4%	2,350	2.8%		-0.7%	920	6.9%
4.5% 3.6. 4.6% 3.3.5 3.3% 4.69 2.247 6.0% 2.549 3.7% 7.70 0.9% 4.4% 38.5 3.4.9 4.2% 5.06 8.0% 2.643 6.74 7.294 3.7% 3.3% 40.3 3.4.9 4.2% 5.06 8.0% 2.643 4.9% 2.957 3.9% 77.277 0.09% 3.2% 40.3 3.6% 3.4% 2.643 4.9% 2.957 3.9% 7.3279 0.0% 3.2% 41.2 3.5% 5.1 2.3% 2.643 4.9% 2.957 3.99 4.3% 7.4 4.9% 2.967 3.99 4.3% 7.4 4.9% 2.967 3.99 4.4 4.1 3.7% 4.1 3.09 4.1 3.4 4.1 3.4 4.1 3.4 4.4 4.1 3.4 4.4 4.0% 7.2 9.0 3.09 4.1 4.9% 2.967 3.9% 7.7 9.0 9.0	2002	98.4	4.8%	34,5	4.9%	32.5	5.3%	4.82	-2.8%	2,120	8.1%	2,458	4.6%	71,317	-0.5%	1,021	11.0%
4.1% 34.9 4.2% 5.06 8.0% 2.40 6.8% 2.737 7.4% 72.944 3.1% 3.4% 38.8 3.5% 36.1 3.3% 5.21 2.8% 2.647 4.0% 72.944 3.1% 3.3% 40.3 3.5% 36.1 3.3% 5.21 2.3% 2.647 4.0% 7.2947 4.0% 73.287 3.2% 41.8 3.6% 3.2% 2.4% 2.647 4.0% 73.290 1.0% 3.2% 43.4 3.7% 3.98 3.2% 2.7% 3.69 4.0% 73.290 1.0% 2.9% 4.1 3.7% 4.1 3.7% 5.7 2.7% 3.09 4.7% 7.329 1.0% 2.9% 4.6 4.1 3.4% 4.1 3.4% 4.7 3.2 4.7 3.2 4.0% 4.1 4.0% 7.3 4.0 4.1 4.0 4.1 4.1 4.1 4.1 4.1 4.1 <td< th=""><th>2003</th><th>102.9</th><th>4.5%</th><th>36.0</th><th>4.6%</th><th>33.5</th><th>3.2%</th><th>4.69</th><th>-2.8%</th><th>2,247</th><th>6.0%</th><th>2,549</th><th>3.7%</th><th></th><th>%6.0-</th><th>1,053</th><th>3.1%</th></td<>	2003	102.9	4.5%	36.0	4.6%	33.5	3.2%	4.69	-2.8%	2,247	6.0%	2,549	3.7%		%6.0-	1,053	3.1%
3.4% 38.8 3.5% 3.6.1 2.3% 5.21 2.9% 2.520 5.0% 2.847 4.0% 773.277 0.5% 3.3% 4.03 3.9% 3.7% 5.21 2.9% 2.643 4.9% 2.967 3.9% 73.289 0.0% 3.2% 4.18 3.2% 5.51 2.3% 2.7% 3.094 4.5% 7.390 0.0% 3.2% 4.18 3.2% 5.12 2.3% 2.7% 3.094 4.7% 7.390 0.0% 2.3% 4.34 3.7% 4.12 3.7% 5.62 2.1% 2.693 4.7% 3.291 4.7% 7.320 0.0% 2.7% 4.45 3.4% 4.1 3.7% 4.4 4	2004	107.1	4.1%	37.5	4.1%	34.9	4.2%	5.06	8.0%	2,400	6.8%	2,737	7.4%		3.1%	1,088	3.3%
3.3% 40.3 3.9% 37.3 3.5% 5.38 3.4% 2,643 4.9% 2,957 3.9% 77.289 0.0% 3.2% 41.8 3.6% 3.86 3.3% 5.51 2.3% 2.763 4.5% 3.094 4.6% 73.290 1.0% 3.2% 43.4 3.7% 3.86 3.2% 5.51 2.3% 2.763 4.5% 3.094 4.6% 77.286 0.0% 2.9% 46.5 3.4% 41.2 3.7% 5.92 2.5% 3.168 4.6% 3.47 4.1% 75.274 0.0% 2.9% 46.5 3.4% 4.1% 3.79 4.1% 75.274 0.7% 2.7% 48.0 3.2% 6.1 2.9% 3.168 4.6% 3.497 4.1% 75.274 0.7% 2.6% 51.1 3.4% 4.1% 4.1% 7.591 0.6% 2.7% 4.1 3.30 4.1% 4.1% 7.720 0.6%	2005	110.7	3.4%	38.8	3.5%	36.1	3.3%	5.21	2.8%	2,520	2.0%	2,847	4.0%		0.5%	1,111	2.5%
3.2% 4.1.8 3.6% 3.86 3.3% 5.51 2.3% 2.763 4.5% 3.094 4.6% 73.990 1.0% 3.2% 4.3.4 3.7% 3.2% 3.2% 5.62 2.7% 2.783 4.7% 3.559 4.1% 74.766 0.6% 2.9% 46.5 3.4% 42.7 3.6% 5.92 2.5% 3.168 4.7% 75.21 4.1% 75.24 0.7% 2.9% 46.5 3.4% 42.7 3.6% 5.92 2.5% 3.168 4.7% 75.21 0.7% 2.7% 48.0 3.2% 42.7 3.4% 6.05 2.1% 3.305 4.3% 7.475 0.6% 2.7% 49.5 3.2% 45.7 3.4% 6.05 2.1% 3.305 4.3% 7.527 0.7% 2.7% 49.5 3.47 4.7% 3.369 4.7% 3.497 4.1% 7.527 0.7% 2.7% 4.1 3.9% <td< th=""><th>2006</th><th>114.4</th><th>3.3%</th><th>40.3</th><th>3.9%</th><th>37.3</th><th>3.5%</th><th>5.38</th><th>3.4%</th><th>2,643</th><th>4.9%</th><th>2,957</th><th>3.9%</th><th></th><th>0.0%</th><th>1,204</th><th>8.4%</th></td<>	2006	114.4	3.3%	40.3	3.9%	37.3	3.5%	5.38	3.4%	2,643	4.9%	2,957	3.9%		0.0%	1,204	8.4%
3.2% 43.4 3.7% 39.8 3.2% 5.62 2.1% 2.893 4.7% 3,221 4.1% 74,286 0.4% 3.1% 44.9 3.6% 44.9 3.7% 3.030 4.7% 3,359 4.3% 74,752 0.6% 2.9% 44.9 3.2% 44.1 3.4% 6.05 2.1% 3,305 4.3% 3,417 74,752 0.6% 2.7% 49.5 3.2% 44.1 3.4% 6.05 2.1% 3,305 4.3% 3,417 7.750 0.6% 2.7% 49.5 3.2% 44.1 4.3% 3,789 4.1% 75,901 0.6% 2.5% 51.1 3.1% 6.29 1.9% 3,729 4.1% 75,901 0.6% 2.5% 51.1 3.1% 6.17 2.0% 3,729 4.1% 76,929 0.6% 2.5% 55.6 2.9% 6.17 2.0% 3,729 4.0% 3,789 77,520 0.6% 2.5% 55.6 2.9% 3,587 4.1% 7,750 0.7%	2007	118.0	3.2%	41.8	3.6%	38.6	3.3%	5.51	2.3%	2,763	4.5%	3,094	4.6%		1.0%	1,258	4.5%
3.1% 44.9 3.6% 41.2 3.7% 5.78 2.7% 3,030 47.8 3,359 4.3% 74,752 0.6% 2.9% 46.5 3.4% 42.7 3.6% 5.92 2.5% 3,168 4.6% 3,497 4.1% 75,274 0.7% 2.7% 48.0 3.2% 44.1 3.4% 6.05 2.1% 3,305 4.1% 75,274 0.7% 2.7% 49.5 3.2% 45.7 3.4% 6.05 2.1% 3,305 4.1% 75,274 0.7% 2.6% 51.1 3.1% 6.17 2.0% 3,387 4.0% 4.06 3.7% 76,292 0.6% 2.5% 52.6 3.0% 48.7 3.2% 6.42 2.0% 3,789 4.0% 4.06 6.0% 3,789 4.0% 4.06 8.0% 7.590 0.6% 2.0% 3,789 4.0% 4.0% 4.0% 4.0% 4.0% 4.0% 4.0% 4.0% 4.0%	2008	121.9	3.2%	43.4	3.7%	39.8	3.2%	5.62	2.1%	2,893	4.7%	3,221	4.1%		0.4%	1,310	4.2%
2.9% 46.5 3.4% 42.7 3.6% 5.92 2.5% 3,168 4.6% 3,497 4.1% 75,274 0.7% 2.7% 48.0 3.2% 44.1 3.4% 6.05 2.1% 3,305 4.3% 3,640 4.1% 75,274 0.7% 2.7% 48.0 3.2% 44.1 3.4% 6.17 2.0% 3,447 4.3% 3,788 4.1% 75,901 0.8% 2.5% 52.6 3.0% 48.7 3.2% 6.17 2.0% 3,789 4.1% 76,929 0.6% 2.5% 52.6 3.0% 48.7 3.0% 4.1% 4.208 3.7% 76,299 0.6% 2.2% 55.6 2.1% 6.42 2.0% 3,876 3.9% 4,208 3.4% 77,750 0.5% 2.2% 56.1 2.9% 6.82 2.1% 4,028 3.9% 4,345 3.3% 78,229 0.6% 2.1% 56.3 2.0%	2009	125.7	3.1%	44.9	3.6%	41.2	3.7%	5.78	2.7%	3,030	4.7%	3,359	4.3%		%9.0	1,366	4.2%
2.7% 48.0 3.2% 44.1 3.4% 6.05 2.1% 3,305 4.3% 3,640 4.1% 75,901 0.8% 2.7% 49.5 3.2% 45.7 3.4% 6.17 2.0% 3,447 4.3% 3,788 4.1% 75,901 0.8% 2.7% 49.5 3.2% 45.7 3.4% 6.17 2.0% 3,447 4.3% 3,788 4.1% 76,928 0.6% 2.5% 51.1 3.1% 46.2 2.0% 3,789 4,1068 3.5% 77,327 0.5% 2.5% 55.6 51.6 51.6 2.0% 6.8 2.1% 4,088 3.9% 4,208 3.5% 77,727 0.5% 2.2% 56.9 2.5% 51.6 6.8 2.1% 4,08 3.9% 4,480 3.1% 76,59 0.6% 2.1% 56.9 2.5% 53.1 2.9% 6.8 2.1% 4,349 3.9% 4,480 3.1% 77,729 0.6% 2.1% 56.9 2.5% 56.9 1.8% 4,349 <	2010	129.3	2.9%	46.5	3.4%	42.7	3.6%	5.92	2.5%	3,168	4.6%	3,497	4.1%		0.7%	1,416	3.6%
2.7% 49.5 3.2% 45.7 3.4% 6.17 2.0% 3,447 4.3% 3,788 4.1% 76,491 0.8% 2.6% 51.1 3.1% 47.2 3.3% 6.29 1.9% 3,587 4.1% 3,789 4.1% 76,491 0.8% 2.5% 51.1 3.1% 47.2 3.2% 6.29 1.9% 3,587 4,088 3.7% 77,327 0.5% 2.2% 55.6 51.6 2.9% 6.29 1.9% 3,786 4,088 3.5% 77,750 0.5% 2.2% 55.5 2.6% 51.6 2.9% 6.82 2.0% 4,186 3.9% 4,616 3.0% 77,750 0.5% 2.2% 55.6 53.1 2.8% 6.82 2.0% 4,186 3.9% 4,616 3.0% 77,750 0.5% 2.1% 56.0 2.9% 6.84 1.8% 4,517 3.9% 4,616 3.0% 79,151 0.6% 2.1% 56.0 2.9% 6.94 1.8% 4,517 3.9% 4,616	2011	132.8	2.7%	48.0	3.2%	44.1	3.4%	6.05	2.1%	.3,305	4.3%	3,640	4.1%	75,901	0.8%	1,462	3.3%
2.6% 51.1 3.1% 47.2 3.3% 6.29 1.3% 3,587 4.1% 3,929 3.7% 76,928 0.6% 2.5% 52.6 3.0% 48.7 3.2% 6.42 2.0% 3,729 4.0% 4,068 3.5% 77,327 0.5% 2.2% 55.5 2.6% 51.6 2.9% 6.54 2.0% 3,729 4.08 3.4% 77,750 0.5% 2.2% 55.5 2.6% 51.6 2.9% 6.54 2.0% 3,876 3.9% 4,208 3.4% 77,750 0.5% 2.2% 55.5 2.6% 53.4 4,68 3.9% 4,616 3.0% 79,151 0.6% 2.1% 56.9 1.7% 4,517 3.9% 4,616 3.0% 79,151 0.6% 2.1% 61.1 2.9% 59.7 2.9% 4,614 3.9% 4,616 3.0% 79,151 0.6% 2.1% 61.1 2.9% 57.6	2012	136.3	2.7%	49.5	3.2%	45.7	3.4%	6.17	2.0%	3,447	4.3%	3,788	4.1%	76,491	0.8%	1,512	3.4%
2.5% 52.6 3.0% 48.7 3.2% 6.42 2.0% 3,729 4.068 3.5% 77,327 0.5% 2.4% 54.1 2.9% 50.2 3.1% 6.54 2.0% 3,876 3.9% 4,068 3.5% 77,750 0.5% 2.2% 55.5 2.6% 51.6 2.9% 6.68 2.1% 4,028 3.9% 4,345 3.3% 77,750 0.5% 2.1% 56.2 2.9% 6.68 2.0% 4,186 3.9% 4,345 3.0% 78,229 0.6% 2.1% 56.2 2.9% 6.89 1.8% 4,349 3.9% 4,616 3.0% 79,529 0.6% 2.1% 61.1 2.9% 6.94 1.8% 4,694 3.9% 4,616 3.0% 79,564 0.6% 2.1% 61.1 2.9% 6.94 1.8% 4,694 3.9% 4,751 2.9% 79,564 0.6% 2.0% 62.4 2.9%	2013	139.8	2.6%	51.1	3.1%	47.2	3.3%	6.29	1.9%	3,587	4.1%	3,929	3.7%	76,928	0.6%	1,560	3.1%
2.4% 54.1 2.9% 50.2 3.1% 6.54 2.0% 3,876 3.9% 4,208 3.4% 77,750 0.5% 2.2% 55.5 2.6% 51.6 2.9% 6.68 2.1% 4,028 3.9% 4,445 3.3% 77,750 0.5% 2.1% 56.9 51.6 2.9% 6.82 2.0% 4,186 3.9% 4,4616 3.0% 78,229 0.6% 2.1% 59.7 2.4% 56.2 2.9% 7.06 1.7% 4,547 3.9% 4,751 2.9% 79,151 0.6% 2.1% 69.7 2.4% 56.2 2.9% 7.06 1.7% 4,547 3.9% 4,751 2.9% 79,151 0.6% 2.1% 61.1 2.9% 7.0 1.7% 4,549 3.9% 4,751 2.9% 79,564 0.5% 2.0% 62.4 2.9% 7.40 1.6% 4,894 3.9% 4,751 2.9% 79,564 0.6% 1.9% 65.0 2.0% 7.50 1.4% 5,266 3.9%	2014	143.3	2.5%	52.6	3.0%	48.7	3.2%	6.42	2.0%	3,729	4.0%	4,068	3.5%	77,327	0.5%	1,607	3.0%
2.2% 55.5 2.6% 51.6 2.9% 6.68 2.1% 4,028 3.9% 4,345 3.3% 78,229 0.6% 2.2% 56.9 2.5% 53.1 2.8% 6.88 2.1% 4,486 3.9% 4,446 3.9% 78,29 0.6% 2.1% 58.3 2.4% 54.6 2.9% 6.94 1.8% 4,416 3.9% 4,616 3.0% 79,151 0.6% 2.1% 59.7 2.4% 56.2 2.9% 7.06 1.7% 4,617 3.9% 4,616 3.0% 79,151 0.6% 2.1% 61.1 2.3% 7.17 1.6% 4,694 3.9% 4,616 2.9% 79,64 0.5% 2.0% 62.1 2.9% 7.29 1.6% 4,694 3.9% 4,751 2.9% 70,7% 1.6% 1.9% 63.7 2.1% 7.29 1.6% 7.29 1.6% 7.89 5,96 2.9% 80,014 0.6% </th <th>2015</th> <th>146.8</th> <th>2.4%</th> <th>54.1</th> <th>2.9%</th> <th>50.2</th> <th>3.1%</th> <th>6.54</th> <th>2.0%</th> <th>3,876</th> <th>3.9%</th> <th>4,208</th> <th>3.4%</th> <th>77,750</th> <th>0.5%</th> <th>1,652</th> <th>2.8%</th>	2015	146.8	2.4%	54.1	2.9%	50.2	3.1%	6.54	2.0%	3,876	3.9%	4,208	3.4%	77,750	0.5%	1,652	2.8%
2.2% 56.9 2.5% 53.1 2.8% 6.82 2.0% 4,186 3.9% 4,480 3.1% 78,693 0.6% 2.1% 58.3 2.4% 54.6 2.9% 6.94 1.8% 4,349 3.9% 4,616 3.0% 79,151 0.6% 2.1% 59.7 2.4% 56.2 2.9% 7.06 1.7% 4,517 2.9% 4,617 2.9% 79,151 0.6% 2.1% 61.1 2.3% 7.17 1.6% 4,617 3.9% 4,751 2.9% 79,154 0.6% 2.0% 62.7 2.8% 7.29 1.6% 4,817 3.9% 4,751 2.9% 80,014 0.6% 1.9% 62.1 2.9% 7.29 1.6% 4,817 3.9% 5,168 2.9% 80,014 0.6% 1.9% 65.0 2.0% 7.50 1.6% 4,817 3.9% 5,307 2.7% 81,651 0.7% 1.9% 65.0	2016	150,0	2.2%	55.5	2.6%	51.6	2.9%	6.68	2.1%	4,028	3.9%	4,345	3.3%	78,229	0.6%	1,694	2.6%
2.1% 58.3 2.4% 54.6 2.9% 6.94 1.8% 4,349 3.9% 4,616 3.0% 79,151 0.6% 2.1% 59.7 2.4% 56.2 2.9% 7.06 1.7% 4,517 3.9% 4,616 3.0% 79,151 0.6% 2.1% 59.7 2.4% 56.2 2.9% 7.06 1.7% 4,617 3.9% 4,751 2.9% 79,564 0.5% 2.0% 62.1 2.3% 7.29 1.6% 4,817 3.9% 4,789 2.9% 80,014 0.6% 1.9% 62.1 2.8% 7.40 1.6% 4,817 3.9% 5,028 2.9% 80,014 0.6% 1.9% 65.0 2.0% 62.7 2.6% 7.50 1.4% 5,068 3.9% 5,168 2.9% 80,074 0.7% 1.8% 66.2 1.9% 64.3 2.6% 7.59 1.2% 5,486 3.9% 5,488 2.7% 81,577 0.7% 1.8% 65.0 2.0% 2.5% 7.68 1.2%	2017	153.3	2.5%	56.9	2.5%	53.1	2.8%	6.82	2.0%	4,186	3.9%	4,480	3.1%	78,693	%9.0	1,738	2.6%
2.1% 59.7 2.4% 56.2 2.9% 7.06 1.7% 4,517 3.9% 4,751 2.9% 79,564 0.5% 2.1% 61.1 2.3% 57.9 2.9% 7.17 1.6% 4,694 3.9% 4,761 2.9% 79,564 0.5% 2.0% 61.1 2.3% 7.29 1.6% 4,694 3.9% 4,889 2.9% 80,014 0.6% 1.9% 62.1 2.2% 7.29 1.6% 4,817 3.9% 4,889 2.9% 80,014 0.6% 1.9% 65.0 2.0% 62.7 2.6% 7.40 1.6% 5,068 3.9% 5,168 2.8% 81,077 0.7% 1.8% 66.2 1.9% 64.3 2.6% 7.59 1.2% 5,486 3.9% 5,488 2.7% 81,657 0.7% 1.8% 67.4 1.8% 65.9 2.5% 7.68 1.2% 5,686 3.9% 5,592 2.6% 82,926 0.8% 2.8% 3.8% 4.7% 3.9% 5,48 2.7%	2018	156.5	2,1%	58.3	2.4%	54.6	2.9%	6.94	1.8%	4,349	3.9%	4,616	3.0%	79,151	0.6%	1,781	2.4%
2.1% 61.1 2.3% 57.9 2.9% 7.17 1.6% 4,694 3.9% 4,889 2.9% 80,014 0.6% 2.0% 62.4 2.2% 59.5 2.8% 7.29 1.6% 4,877 3.9% 4,889 2.9% 80,014 0.6% 1.9% 62.4 2.2% 59.5 2.8% 7.29 1.6% 4,877 3.9% 5,028 2.9% 80,014 0.6% 1.9% 63.7 2.1% 61.1 2.6% 7.29 1.6% 3.9% 5,168 2.8% 81,077 0.7% 1.9% 65.0 2.0% 62.7 2.6% 7.50 1.4% 5,266 3.9% 5,48 2.7% 81,651 0.7% 1.8% 65.0 2.0% 65.9 2.5% 7.68 1.2% 5,686 3.9% 5,592 2.6% 82,926 0.8% 3.5% 67.4 1.8% 4.7% 3.8% 7.6% 5,692 2.6% 82,926 0.8% 3.5% 3.9% 5,686 3.9% 5,692 2.6% 82,926 0.8% 3.6% 3.9% 4.3% 4.0% 4.0% 0.7% 2.0% 2.2% 2.7%	2019	159.8	2.1%	29.7	2.4%	56.2	. 2.9%	7.06	1.7%	4,517	3.9%	4,751	2.9%	79,564	0.5%	1,823	2.4%
2.0% 62.4 2.2% 59.5 2.8% 7.29 1.6% 4.877 3.9% 5,028 2.9% 80,523 0.6% 1.9% 63.7 2.1% 61.1 2.6% 7.40 1.6% 5,068 3.9% 5,168 2.8% 81,077 0.7% 1.9% 65.0 2.0% 62.7 2.6% 7.50 1.4% 5,266 3.9% 5,168 2.7% 81,077 0.7% 1.8% 66.2 1.9% 64.3 2.6% 7.59 1.2% 5,470 3.9% 5,448 2.7% 81,651 0.7% 1.8% 65.9 2.5% 7.68 1.2% 5,686 3.9% 5,592 2.6% 82,926 0.8% 3.5% 3.8% 4.7% 3.8% 7.6% 4.3% 4.0% 1.6% 2.6% 3.3% 2.2% 4.3% 4.0% 5.4% 1.6% 2.8% 3.3% 2.2% 4.3% 4.0% 0.7% 2.0	2020	163.1	2.1%	61.1	2.3%	57.9	2.9%	7.17	1.6%	4,694	3.9%	4,889	2.9%	80,014	0.6%	1,866	2.3%
1.9% 63.7 2.1% 61.1 2.6% 7.40 1.6% 5,068 3.9% 5,168 2.8% 81,077 0.7% 1.9% 65.0 2.0% 62.7 2.6% 7.50 1.4% 5,266 3.9% 5,307 2.7% 81,651 0.7% 1.8% 66.2 1.9% 64.3 2.6% 7.59 1.2% 5,470 3.9% 5,448 2.7% 81,651 0.7% 1.8% 67.4 1.8% 65.9 2.5% 7.68 1.2% 5,686 3.9% 5,592 2.6% 82,926 0.8% 3.5% 3.8% 4.7% 3.8% 7.6% 4.3% 4.0% 0.7% 2.0% 2.2% 2.7% 3.8% 5,592 2.6% 82,926 0.8% 3.5% 3.3% 4.3% 4.3% 4.0% 0.7% 2.0% 2.2% 2.7% 4.3% 4.0% 0.7%	2021	166.4	2.0%	62.4	2.2%	59.5	2.8%	7.29	1.6%	4,877	3.9%	5,028	2.9%	80,523	0.6%	1,909	2.3%
1.9% 65.0 2.0% 62.7 2.6% 7.50 1.4% 5,266 3.9% 5,307 2.7% 81,651 0.7% 1.8% 66.2 1.9% 64.3 2.6% 7.59 1.2% 5,470 3.9% 5,489 2.7% 81,651 0.7% 1.8% 65.9 2.5% 7.68 1.2% 5,686 3.9% 5,592 2.6% 82,926 0.8% 3.5% 3.8% 4.7% 3.8% 7.6% 4.3% 4.0% 0.7% 2.0% 2.2% 2.7% 1.6% 2.2% 0.7% 0.7%	2022	169.6	1.9%	63.7	2.1%	61.1	2.6%	7.40	1.6%	5,068	3.9%	5,168	2.8%	81,077	0.7%	1,952	2.5%
1.8% 66.2 1.9% 64.3 2.6% 7.59 1.2% 5,470 3.9% 5,448 2.7% 82,273 0.8% 1.8% 67.4 1.8% 65.9 2.5% 7.68 3.9% 5,586 3.9% 65,592 2.6% 82,926 0.8% 3.5% 3.8% 4.7% 3.8% 7.6% 4.3% 4.0% 1.6% 2.0% 2.2% 2.7% 1.6% 3.9% 5.48% 0.7%	2023	172.9	1.9%	65.0	2.0%	62.7	7.6%	7.50	1.4%	5,266	3.9%	5,307	2.7%	81,651	0.7%	1,995	2.5%
1.8% 67.4 1.8% 65.9 2.5% 7.68 1.2% 5,686 3.9% 5,592 2.6% 82,926 0.8% 3.5% 3.8% 4.7% 3.8% 7.6% 5.4% 1.6% 2.8% 3.3% 2.2% 4.3% 4.0% 0.7% 2.0% 2.2% 2.7% 1.6% 3.9% 2.8% 0.7%	2024	176.0	1.8%	66.2	1.9%	64.3	7.6%	7.59	1.2%	5,470	3.9%	5,448	2.7%	82,273	0.8%	2,038	2.1%
3.5% 3.8% 4.7% 3.8% 5.4% 2.8% 3.3% 2.2% 4.3% 4.0% 2.0% 2.7% 1.6% 3.9% 2.8%	2025	179.3	1.8%	67.4	1.8%	62.9	2.5%	7.68	1.2%	5,686	3.9%	5,592	2.6%	82,926	0.8%	2,082	2.1%
3.5% 3.8% 4.7% 3.8% 7.6% 5.4% 2.8% 3.3% 2.2% 4.3% 4.0% 2.0% 2.2% 2.7% 1.6% 3.9% 2.8%	Average Perce	ant Change															
2.8% 3.3% 3.3% 2.2% 4.3% 4.0% 2.0% 2.2% 2.7% 1.6% 3.9% 2.8%	1995-2005		3.5%		3.8%		4.7%		3.8%		7.6%		5.4%		1.6%		5.5%
2.0% 2.2% 2.7% 1.6% 3.9% 2.8%	2006-2015		2.8%		3.3%		3.3%		2.5%		4.3%		4.0%		0.7%		3.6%
	2016-2025		2.0%		2.2%		2.7%		1.6%		3.9%		2.8%		0.7%		2.3%

Table D - 3

Historical and Projected Economic Trends of the Big Stone II Member Counties

(Source: Economy.com)

City of Fairfax (Renville County)

Mid-range Economic Case	Populatio	n (Ths.)	Househol	ds (Ths.)	Nonfa Employme		Manufac Employme	-	Gross De Product (\$		Personal (\$M; \$1		Personal Inc Household		Retall Sal	, .
	y Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg	Value	% Chg	<u>Value</u>	% Chg
1992	17.5	-	6.8	-	5.7	-	1.09	-	255	-	352	-	52,008	-	73	- 1
1993	17.5	0.1%	6.8	0.3%	5.4	-4.5%	1.07	-1.6%	240	-6.0%	292	-16.9%	43,050	-17.2%	82	11.9%
1994	17.4	-0.7%	6.8	-0.4%	5.6	• 3.5%	1.06	-0.6%	280	16.7%	369	26.2%	54,554	26.7%	86	5.2%
1995	17.4	-0.3%	6.8	0.0%	5.7	1.4%	1.06	-0.2%	283	1.1%	330	-10.6%	48,742	-10.7%	93	8.6%
1996	17.3	-0.3%	6.8	0.0%	4.8	-15.7%	1.19	12.0%	250	-11.5%	378	14.8%	55,928	14.7%	105	12.2%
1997	17.3	-0.1%	6.8	0.2%	6.0	24.1%	1.23	2.9%	332	32.9%	365	-3.6%	53,852	-3.7%	113	8.2%
1998	17.2	-0.5%	6.8	-0.2%	6.1	1.6%	1.20	-1.8%	350	5.3%	382	4.6%	56,463	4.8%	111	-1.9%
1999	17.2	-0.2%	6.8	0.0%	6.0	-1.6%	1.13	-5.8%	352	0.5%	374	-2.0%	55,308	-2.0%	99	-11.4%
2000	17.1	-0.1%	6.8	0.2%	6.1	1.7%	1.22	7.9%	369	4.7%	367	-1.9%	54,124	-2.1%	94	-5.0%
2001	16.9	-1.2%	6.7	-1.1%	6.0	-1.2%	1.10	-9.7%	357	-3.1%	361	-1.4%	53,947	-0.3%	95	1.2%
2002	17.0	0.2%	6.7	0.2%	4.8	-20.3%	1.05	-4.8%	316	-11.5%	364	0.7%	54,202	0.5%	94	-0.4%
2003	16.9	-0.7%	6.7	-0.6%	4.8	0.2%	1.04	~0.8%	330	4.3%	352	-3.3%	52,717	-2.7%	53	-43.4%
2004	16.7	-0.8%	6.6	-0.8%	5.4	13.7%	1.05	0.4%	382	15.8%	359	1.9%	54,149	2.7%	24	-55.3%
2005	16.8	0.3%	6.6	0.4%	5.5	0.4%	1.05	0.4%	374	-2.1%	361	0.6%	54,292	0.3%	18	-25.6%
2006	16.7	-0.3%	6.6	-0.1%	5.5	1.7%	1.06	1.2%	381	1.8%	364	1.0%	54,876	1.1%	18	3.4%
2007	16.6	-0.4%	6.6	0.0%	5.6	0.5%	1.06	-0.6%	387	1.7%	363	-0.4%	54,667	-0.4%	18	-0.6%
2008	16.6	-0.3%	6,6	0.0%	5.6	0.0%	1.05	-1.1%	398	2.8%	363	-0.1%	54,636	-0.1%	18	-0.1%
2009	16.5	-0.4%	6.6	0.0%	5.6	0.1%	1.04	-0.7%	409	2.7%	361	-0.5%	54,371	-0.5%	18	-D.4%
2010	16.5	-0.3%	6.6	0.1%	5.6	-0.3%	1.03	-1.1%	417	2.1%	360	-0.3%	54,189	-0.3%	18	-0.7%
2011	16.4	-0.3%	6,6	0.1%	5.6	-0.2%	1.02	-1.2%	426	2.1%	359	-0.2%	54,054	-0.2%	18	-0.8%
2012	16.4	-0.3%	6.7	0.1%	5.6	0.0%	1.00	-1.1%	434	1.9%	359	-0.2%	53,906	-0.3%	18	-0.9%
2013	16.3	-0.3%	6.7	0.1%	5.6	-0.2%	0.99	-1.3%	442	1.7%	358	-0.1%	53,779	-0.2%	18	-0.8%
2014	16.3	-0.3%	6.7	0.1%	5.5	-0.3%	0.98	-1.3%	448	1.5%	359	0.2%	53,837	0.1%	18	-0.4%
2015	16.2	-0.3%	6.7	0.0%	5.5	-0.4%	0.97	-1.4%	455	1.4%	359	0.0%	53,802	-0.1%	17	-0.7%
2016	16.2	-0.3%	6.7	0.0%	5.5	-0.8%	0.95	-1.6%	460	1.2%	359	-0.1%	53,798	0.0%	17	-0.8%
2017	16.1	-0.3%	6.7	0.0%	5.4	-0.8%	0.93	-1.6%	467	1.4%	358	-0.1%	53,755	-0.1%	17	-0.8%
2018	16.1	-0.3%	6.7	-0.1%	5.4	-0.8%	0.92	-1.7%	472	1.1%	358	-0.1%	53,740	0.0%	17	-0.8%
2019	16.0	-0.3%	6.7	-0.1%	5.3	-0.8%	0.90	-1.8%	475	0.7%	357	-0.1%	53,730	0.0%	17	-0.7%
2020	16.0	-0.2%	6.6	-0.1%	5.3	-0.8%	0.88	-1.9%	478	0.7%	357	0.0%	53,756	0.0%	. 17	-0.7%
2021	15.9	-0.3%	6.6	-0.1%	5.3	-0.9%	0.87	-1.9%	481	0.6%	357	0.0%	53,815	0.1%	17	-0.7%
2022	15.9	-0.3%	6.6	-0.2%	5.2	-1.0%	0.85	-2.0%	485	0.7%	357	0.0%	53,909	0.2%	17	-0.7%
2023	15.8	-0.3%	6.6	-0.2%	5.2	-0.9%	0.83	-1.9%	488	0.8%	357	0.0%	54,037	0.2%	16	-0.7%
2024	15.8	-0.2%	6.6	-0.3%	5.1	-0.8%	0.82	-2.0%	492	0.6%	357	0.0%	54,188	0.3%	16	-0.7%
2025	15,8	-0.2%	6.6	-0.3%	5.1	-0.9%	0.80	-2.0%	495	0.6%	357	0.0%	54,342	0.3%	16	-0.7%
Average Perce	nt Change	Ì		ļ												
1995-2005		-0.3%		-0.2%		-0.4%		-0.1%		2.8%		0.9%		1.1%		-15.3%
2006-2015		-0.3%		0.0%		-0.1%		-1.1%		2.0%		-0.2%		-0.2%		-0.6%
2016-2025		-0.3%		-0.2%		-0.9%		-1.9%		0.8%		0.0%		0.1%		-0.7%

Table D - 4
Historical and Projected Economic Trends of the Big Stone II Member Counties
(Source: Economy.com)

City of Glencoe (McLeod County)

Mid-range		(- 1)			Nonf		Manufac		Gross Do		Personal		Personal Inc		Retall Sal	
Economic Case	Populatio		Househol	, ,	Employme				Product (\$		(\$M; \$		Household			
	<u>Value</u>	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg	Value	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg	Value	% Chg	<u>Value</u>	% Chg
1992	32.6	-	12.1	-	16.4	-	7.39	-	718	-	698	-	57,503	-	250	-
1993	32.9	1.0%	12.3	1.5%	17.0	3.7%	7.85	6.2%	718	0.0%	687	-1.6%	55,774	-3.0%	265	6.0%
1994	33.2	0.8%	12.5	1.2%	17.0	0.3%	7.86	0.2%	755	5.1%	730	6.2%	58,554	5.0%	284	7.3%
1995	33.4	0.6%	12.6	1.1%	17.4	2.4%	8.01	1.9%	778	3.0%	755	3.4%	59,913	2.3%	290	2.1%
1996	33,9	1.5%	12.8	2.0%	18.8	8.0%	8.94	11.6%	883	13.5%	798	5.7%	62,123	3.7%	303	4.5%
1997	34.1	0.6%	13.0	1.0%	19,1	1.3%	9.20	3.0%	986	11.7%	826	3.5%	63,636	2.4%	305	0.7%
1998	34.6	1.3%	13.2	1.7%	19.1	0.2%	9.22	0.2%	1,063	7.8%	858	3.9%	64,974	2.1%	307	0.6%
1999	34.9	1.1%	13.4	1.6%	18.5	-2.9%	8.36	-9.3%		-0.7%	873	1.8%	65,116	0.2%	319	3.9%
2000	34.9	-0.2%	13.4	0.3%	17.7	-4.8%	7.33	-12.3%	1,070	1.4%	847	-2.9%	63,040	-3.2%	324	1.4%
2001	35.3	1.1%	13.6	1.2%	17.4	-1.7%	6.68	-8.9%	1,049	-2.0%	820	-3.2%	60,276	-4.4%	341	5.3%
2002	35.6	1,0%	13.8	1.1%	17.2	-0.9%	6.15	-7.9%	1,111	6.0%	840	2.5%	61,111	1.4%	374	9.9%
2003	35.8	0.4%	13.8	0.5%	17.0	-1.0%	5.99	-2.6%	1,213	9.2%	849	1.0%	61,433	0.5%	383	2.3%
2004	36.2	1.1%	14.0	1.2%	17.8	4.7%	6.29	5.0%	1,324	9.1%	871	2.5%	62,239	1.3%	384	0.3%
2005	36.6	1.2%	14.2	1.3%	18.1	1.7%	6.39	1.6%	1,392	5.2%	889	2.2%	62,788	0.9%	388	0.9%
2006	36.9	0.8%	14.3	1.1%	18.6	2.9%	6.56	2.6%	1,457	4.6%	903	1.5%	63,059	0.4%	403	4.0%
2007	37.2	0.8%	14.5	1.2%	19.0	1.8%	6.61	0.8%	1,526	4.8%	914	1.2%	63,061	0.0%	407	1.0%
2008	37.6	0.8%	14.7	1.2%	19.2	1.2%	6.63	0.3%	1,615	5.8%	922	0.9%	62,896	-0.3%	411	0.9%
2009	37.9	0.8%	14.8	1.2%	19.5	1.4%	6.68	0.7%	1,704	5.5%	929	0.7%	62,608	-0.5%	414	0.8%
2010	38.2	0.8%	15.0	1.2%	19.6	0.9%	6.69	0.2%	1,789	5.0%	935	0.7%	62,268	-0.5%	415	0.2%
2011	38.5	0.8%	15.2	1.3%	19.8	1.0%	6.71	0.2%	1,877	4.9%	943	0.9%	62,026	-0.4%	416	0.2%
2012	38.8	0.8%	15.4	1.2%	20.1	1.2%	6.72	0.2%	1,965	4.7%	955	1.2%	62,013	0.0%	418	0.5%
2013	39.1	0.8%	15.6	1.3%	20.3	1.0%	6.73	0.1%	2,050	4.3%	966	1.2%	61,984	0.0%	420	0.6%
2014	39.4	0.8%	15.8	1.2%	20.5	0.9%	6.73	0.0%	2,135	4.1%	978	1.2%	61,979	0.0%	423	0.6%
2015	39.7	0.8%	15.9	1.1%	20.6	0.7%	6.73	-0.1%	2,218	3.9%	988	1.1%	61,949	0.0%	425	0.4%
2016	40.0	0.8%	16.1	1.1%	20.7	0.4%	6.71	-0.2%	2,301	3.8%	999	1.1%	61,918	0.0%	426	0.3%
2017	40.4	0.8% 0.8%	16.3 16.5	1.1% 1.0%	20.7 20.8	0.3% 0.3%	6.69	-0.3% -0.4%	2,390	3.8% 3.5%	1,008	1.0% 1.0%	61,880	-0.1%	428	0.3%
2018 2019	40.7 41.0	0.8%	16.6	1.0%	20.8	0.3%	6.67 6.63	-0.4% -0.5%	2,473 2,548	3.5%	1,018 1.028	1.0%	61,852 61,842	0.0% 0.0%	429 430	0.3% 0.4%
2019	41.3	0.8%	16.8	1.0%	20.9	0.2%	6.59	-0.5%	2,546	2.9%	1,028	1.0%	61,842	0.0%	430	0.4%
2021	41.6	0.8%	16.9	0.9%	20.9	0.2%	6.55	-0.7%	2,622	2.7%	1,039	1.0%	61,952	0.0%	432	0.3%
2022	41.0	0.8%	17.1	0.8%	20.9	0.2%	6.50	-0.7%	2,092	2.7%	1,049	1.0%	62,084	0.1%	433	0.3%
2023	42.3	0.0%	17.2	0.8%	21.0	0.0%	6.45	-0.7%	2,700	2.7%	1,000	1.0%	62,241	0.2%	434	0.3%
2024	42.5	0.7%	17.2	0.7%	21.0	0.1%	6.40	-0.8%	2,042	2.7 %	1,071	1.0%	62,414	0.3%	437	0.3%
2025	42.9	0.7%	17.4	0.7%	21.0	0.1%	6.35	-0.8%	2,982	2.4%	1,092	1.0%	62,599	0.3%	438	0.3%
Average Perce		3.1 70	111-7	3.1 /8	21.0	3.176	0.00	3.0 /4		2.7/0	1,002	1.0 /0	02,000	3.5 /8	400	0.078
1 -	ni Change	0.054		4 000												
1995-2005		0.9%		1.2%		0.4%		-2.2%		6.0%		1.7%		0.5%		2.9%
2006-2015		0.8%		1.2%		1.1%		0.3%		4.8%		1.0%		-0.2%		0.6%
2016-2025		0.8%		0.9%		0.2%		-0.6%		2.9%		1.0%		0.1%		0.3%

Table D - 5
Historical and Projected Economic Trends of the Big Stone II Member Counties
(Source: Economy.com)

City of Granite Falls (Yellow Medicine County)

Mid-range Economic Case	Populatio	n (Ths.)	Household	ds (Ths.)	Nonfa Employme		Manufac Employme	_	Gross De Product (\$		Personal (\$M; \$1		Personal In Household		Retail Sa \$199	
	Value	% Chg	<u>Value</u>	% Chq	Value	% Chg	Value	% Chg	Value	% Chg	<u>Value</u>	% Chg	! <u>Value</u>	% Chg	<u>Value</u>	% Chg
1992	11.6	-	4.6	-	3.9	-	0.52	-	200	-	204	-	44,397	-	52	-
1993	11.6	0.1%	4.6	0.3%	4.3	9.9%	0.54	2.7%	ı	7,9%	176	-13.4%	38,326	-13.7%	63	22.5%
1994	11.6	-0.1%	4.6	0.1%	3.9	-10.1%	0.50	-7.5%	195	-9.7%	219	24.2%	47,562	24.1%	77	21.8%
1995	11.5	-0.5%	4.6	-0.3%	4.0	1.7%	0.56	13.2%	196	0.6%	205	-6.2%	44,759	-5.9%	65	-16.1%
1996	11.5	-0.5%	4.6	-0.4%	4.1	3.5%	0.58	3.4%	211	7.8%	238	16.0%	52,108	16.4%	74	14.4%
1997	11.5	0.1%	4.6	0.3%	4.1	0.6%	0.59	1.7%	1	6.7%	227	-4.8%	49,499	-5.0%	80	8.4%
1998	11.3	-1.7%	4.5	-1.5%	4.2	2.9%	0.66	11.7%	1	4.8%	233	2.7%	51,633	4.3%	70	-13.3%
1999	11.2	-1.0%	4.5	-0.8%	4.2	-0.6%	0.63	-4.0%		-1.8%	229	-1.8%	51,115	-1.0%	71	2.6%
2000	11.0	-1.3%	4.4	-1.2%	4.3	1.3%	0.66	4.6%	1	4.4%	230	0.5%	51,989	1.7%	73	2.3%
2001	11.0	-0.8%	4.4	-0.8%	4.1	-3.1%	0.48	-28.2%	231	-4.8%	220	-4.4%	50,070	-3.7%	74	1.2%
2002	10.8	-1.3%	4.3	-1.3%	4.2	0.2%	0.52	9.8%	240	4.1%	216	-1.7%	49,834	-0.5%	74	-0.4%
2003	10.7	-1.0%	4.3	-0.9%	4.2	-0.1%	0.32	-38.4%	I .	0.8%	221	2.2%	51,413	3.2%	42	-43.4%
2004	10.6	-1.3%	4.2	-1.3%	4.3	3.3%	0.34	5.6%	1	0.5%	226	2.2%	53,202	3.5%	19	-53.6%
2005	10.4	-1.0%	4.2	-1.0%	4.3	0.0%	0.34	-0.2%		6.5%	227	0.4%	53,936	1.4%	13	-30.9%
2006	10.4	-0.8%	4.2	-0.5%	4.3	1.3%	0.34	1.1%	263	1.6%	230	1.3%	54,929	1.8%	14	3.7%
2007	10.3	-0.8%	4.2	-0.5%	4.4	0.2%	0.34	-0.9%	1	1.6%	229	-0.2%	55,096	0.3%	14	-0.3%
2008	10.2	-0.8%	4.1	-0.5%	4.3	-0.4%	0.33	-1.5%	273	2.2%	230	0.3%	55,558	0.8%	14	0.3%
2009	10.1	-0.9%	4.1	-0.5%	4.3	-0.3%	0.33	-1.1%	279	2.0%	230	0.1%	55,872	0.6%	14	0.2%
2010	10.0	-0.9%	4.1	-0.5%	4.3	-0.7%	0.33	-1.5%	283	1.5%	231	0.2%	56,279	0.7%	14	-0.2%
2011	9.9	-0.9% -0.9%	4.1	-0.5% -0.5%	4.3	·-0.6%	0.32	-1.6%	287	1.4%	231	0.0%	56,585	0.5%	14	-0.6%
2012 2013	9.8 9.7	-1.0%	4.1 4.0	-0.5%	4.3 4.2	-0.5%	0.32	-1.6%	290	1.2%	232 233	0.4%	57,114 57,792	0.9%	14	-0.3%
2013	9.7	-0.9%	4.0	-0.5%	4.2	-0.6% -0.7%	0.31 0.30	-1.8% -1.7%	293 295	0.9% 0.9%	235	0.7% 0.6%	57,792 58,419	1.2% 1.1%	14 14	0.0% 0.0%
2015	9.6	-0.9%	4.0	-0.5%	4.2	-0.7 %	0.30	-1.7%	293	0.8%	235	0.6%	58,964	0.9%	14	-0.2%
2016	9.5	-0.8%	4.0	-0.5%	4.1	-1.1%	0.30	-1.8%	300	0.8%	235	0.4%	59,541	1.0%	14	-0.2%
2017	9.4	-0.8%	4.0	-0.5%	4.1	-1.2%	0.29	-1.8%	303	1.0%	237	0.5%	60,093	0.9%	14	-0.3%
2018	9.4	-0.7%	3.9	-0.5%	4.0	-1.2%	0.28	-1.0 %	305	0.7%	237	0.4%	60,093	1.0%	14	-0.3% -0.2%
2019	9.3	-0.7%	3.9	-0.5%	4.0	-1.1%	0.28	-2.0%	305	0.4%	240	0.5%	61,330	1.0%	14	-0.2 %
2020	9.2	-0.7%	3.9	-0.5%	3.9	-1.1%	0.27	-2.0%	307	0.4%	241	0.6%	62,006	1.1%	14	-0.1%
2021	9.2	-0.6%	3.9	-0.5%	3.9	-1.1%	0.27	-2.1%	308	0.3%	243	0.7%	62,727	1.2%	14	0.0%
2022	9.1	-0.6%	3.9	-0.5%	3.8	-1.2%	0.26	-2,1%	310	0.4%	245	0.7%	63,514	1.3%	14	0.0%
2023	9.1	-0.6%	3.8	-0.6%	3.8	-1.1%	0.26	-2.1%	311	0.5%	247	0.7%	64,342	1.3%	14	0.0%
2024	9.0	-0.6%	3.8	-0.6%	3.8	-1.1%	0.25	-2.1%	312	0.3%	248	0.7%	65,185	1.3%	14	0.0%
2025	9.0	-0.5%	3.8	-0.6%	3.7	-1.1%	0.24	-2.2%	313	0.3%	250	0.7%	66,046	1.3%	14	0.0%
Average Perce	nt Change		· · · · · · · · · · · · · · · · · · ·									79		,,,,,,,		5.570
1995-2005	-	-1.0%		-0.9%		0.8%		-4.9%		2.8%		1.0%		1.9%		-14.6%
2006-2015		-0.9%		-0.5%		-0.5%		-1.5%		1.4%		0.3%		0.8%		-0.1%
2016-2025		-0.6%		-0.5%		-1.1%		-2.0%		0.5%		0.6%		1.2%		-0.1%

Table D - 6

Historical and Projected Economic Trends of the Big Stone II Member Counties (Source: Economy.com)

City of Janesville (Waseca County)

Mid-range					Nonfarm	E	Manufacturing		Gross Domestic	mestic	Personal Income	Іпсоте	Personal Income per	ome per	Retail Sales (\$M;	s (\$M;
Economic Case	Population (Ths.)	(Ths.)	Honsehold	nolds (Ths.)	Employment (Ths.)	nt (Ths.)	Employment (Ths.)		Product (\$M; \$1996)	1; \$1996)	(\$M; \$1996)	(966)	Household (\$1996)	(\$1996)	\$1996)	٦
	Value	% Cha	Value	% Cha	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Cha
1992	18.2	,	6.7		6.2	,	1.55	•	314	•	343	,	51,305		26	1
1993	18.0	-1.3%	9.9	-1.5%	6.1	-1.8%	1.48	4.5%	302	-3.9%	315	-8.0%	47,918	-6.6%	100	2.5%
1994	18.0	-0.1%	9.9	-0.3%	7.1	16.6%	1.46	-1.4%	359	18.7%	363	15.0%	55,281	15.4%	93	-6.8%
1995	18.2	1.1%	9.9	0.9%	7.6	7.2%	1.67	14.3%	381	6.1%	358	-1.2%	54,120	-2.1%	98	5.3%
1996	18,3	0.7%	6.7	0.5%	6.8	-10.3%	1.63	-2.1%	357	-6.3%	391	9.1%	58,727	8.5%	107	8.7%
1997	18.7	2.5%	6.8	2.3%	6.9	2.1%	1.57	-3.5%	396	11.2%	404	3.3%	59,286	1.0%	111	4.4%
1998	18.8	0.3%	6.8	0.1%	6.9	-0.4%	1.49	-5.7%	417	5.2%	423	4.7%	62,004	4.6%	107	-3.9%
1999	19.5	3.6%	7.1	3,4%	6.9	0.5%	1.43	-3.7%	430	3.2%	411	-2.7%	58,319	-5.9%	118	9.9%
2000	19.5	0.3%	7.1	0.1%	7.0	0.7%	1.53	7.0%	428	-0.4%	416	1.2%	58,945	1.1%	121	2.6%
2001	19.5	-0.2%	7.1	-0.1%	7.1	1.9%	1.42	-7.0%	444	3.7%	413	-0.8%	58,560	-0.7%	118	-2.3%
2002	19.5	0.5%	7.1	0.3%	7.0	-1.0%	1.35	-5.3%	474	6.8%	413	0.1%	58,436	-0.5%	117	-0.3%
2003	19.4	-0.5%	7,0	-0.4%	7.1	0.5%	1.33	-1.3%	508	7.0%	423	2.4%	60,078	2.8%	123	4.6%
2004	19.3	-0.8%	7.0	-0.7%	8.5	20.5%	1.41	%0.9	627	23.6%	430	1.6%	61,465	2.3%	128	4.5%
2005	19.3	0.5%	7.0	0.5%	8.7	1.3%	1.43	1.5%	640	2.1%	435	1.2%	62,085	1.0%	128	0.0%
2006	19.4	0.4%	7.1	0.7%	8.9	2.5%	1.46	2.1%	699	4.5%	443	1.8%	62,739	1.1%	134	4.2%
2007	19.5	0.4%	7.1	0.7%	9.0	1.3%	1.46	%0'0	269	4.2%	448	1.0%	62,908	0.3%	135	0.8%
2008	19.6	0.4%	7.2	0.8%	9.1	%6.0	1.45	-0.5%	730	4.7%	452	1.0%	63,060	0.5%	136	1.0%
2009	19.7	0.5%	7.2	0.9%	9.2	1.1%	1.45	0.1%	764	4.7%	456	%6.0	63,005	-0.1%	138	1.0%
2010	19.8	%9.0	7.3	1.0%	9.5	0.7%	1.45	-0.2%	796	4.1%	463	1.6%	63,343	0.5%	139	1.1%
2011	19.9	%9.0	7.4	1.0%	9.3	0.8%	1.45	-0.3%	827	4.0%	470	1.4%	63,618	0.4%	140	0.8%
2012	20.0	0.5%	7.5	1.0%	9.4	0.9%	1.44	-0.3%	829	3.8%	477	1.5%	63,943	0.5%	141	0.8%
2013	20.1	0.4%	7.5	0.9%	9.5	0.7%	1.43	-0.5%	887	3.3%	485	1.6%	64,390	0.7%	143	1.0%
2014	20.2	0.4%	7.6	0.9%	9.5	0.6%	1.43	~9.0-	916	3.2%	492	1.5%	64,771	%9.0	144	0.9%
2015	20.2	0.5%	7.6	0.6%	9.5	0.2%	1.41	-0.9%	941	2.8%	497	1.1%	65,106	0.5%	145	0.5%
2016	20.3	0.5%	7.7	0.5%	9,5	-0.1%	1.40	-1.1%	965	2.6%	503	1.1%	65,476	0.6%	145	0.4%
2017	20.3	0.3%	7.7	0.5%	9.5	-0.2%	1.38	-1.2%	991	2.7%	208	1.1%	65,842	0.6%	146	0.4%
2018	20.4	0.3%	7.8	0.5%	9.5	-0.1%	1.36	-1.2%	1,015	2.4%	514	1.1%	66,244	%9.0	147	0.4%
2019	20.4	0.3%	7.8	0.5%	9.5	-0.1%	1.35	-1.2%	1,037	2.1%	520	1.2%	66,678	0.7%	147	%9.0
2020	20.5	0.4%	7.8	0.6%	9.5	-0.1%	1.33	-1.3%	1,058	2.0%	257	1.3%	67,179	0.8%	148	9.0
2021	20.6	0.4%	7.9	0.5%	9.5	-0.2%	1.31	-1.4%	1,078	1.9%	534	1.3%	67,715	0.8%	149	0.6%
2022	20.7	0.4%	7.9	0.5%	9.4	-0.3%	1.29	-1.5%	1,098	1.9%	541	1.3%	68,302	%6:0	150	0.6%
2023	20.8	0.4%	8.0	0.4%	9.4	-0.2%	1.28	1.4%	1,120	2.0%	248	1.3%	68,931	%6:0	151	%9.0
2024	20.8	0.4%	8.0	0.4%	9.4	-0.2%	1.26	-1,5%	1,139	1.8%	556	1.3%	69,577	0.9%	152	0.6%
2025	20.9	0.4%	8.0	0.3%	9.4	-0.2%	1.24	-1.5%	1,159	1.7%	563	1.3%	70,244	1.0%	153	0.5%
Average Percent Change	ent Change															
1995-2005		0.6%		0.6%		1.3%		-1.5%		5.3%		2.0%		1.4%		2.7%
2006-2015		0.5%		0.9%		0.8%		-0.3%		3.9%		1.3%		0.4%		0.9%
2016-2025		0.3%		0.5%		-0.2%		-1.3%		2.0%		1.3%		0.8%		0.6%

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Table D - 6
Historical and Projected Economic Trends of the Big Stone II Member Counties
(Source: Economy.com)

City of Janesville (Waseca County)

Mid-range Economic Case	Populatio	n (Ths.)	Househol	ds (Ths.)	Nonfa Employme	1	Manufac Employme	_	Gross D Product (\$		Personal (\$M; \$1		Personal Inc.		Retail Sa \$199	
	<u>Value</u>	% Chg	<u>Value</u>	% Chg	Value	% Chg	Value	% Chg	<u>Value</u>	% Chq	<u>Value</u>	% Chg	Value	% Chg	<u>Value</u>	% Chg
1992	18.2	-	6.7	-	6.2	-	1.55	-	314	-	343	-	51,305	-	97	-
1993	18.0	-1.3%	6.6	-1.5%	6.1	-1.8%	1.48	-4.5%	302	-3.9%	315	-8.0%	47,918	-6.6%	100	2.5%
1994	18.0	-0.1%	6.6	-0.3%	7.1	16.6%	1.46	-1.4%	359	18.7%	363	15.0%	55,281	15.4%	93	-6.8%
1995	18.2	1.1%	6.6	0.9%	7.6	7.2%	1.67	14.3%	381	6.1%	358	-1.2%	54,120	-2.1%	98	5.3%
1996	18.3	0.7%	6.7	0.5%	6.8	-10.3%	1.63	-2.1%	357	-6.3%	391	9.1%	58,727	8.5%	107	8.7%
1997	18.7	2.5%	6.8	2.3%	6.9	2.1%	1.57	-3.5%	396	11.2%	404	3.3%	59,286	1.0%	111	4.4%
1998	18.8	0.3%	6.8	0.1%	6.9	-0.4%	1.49	-5.7%	417	5.2%	423	4.7%	62,004	4.6%	107	-3.9%
1999	19.5	3.6%	7.1	3.4%	6.9	0.5%	1.43	-3.7%	430	3.2%	411	-2.7%	58,319	-5.9%	118	9.9%
2000	19,5	0.3%	7.1	0.1%	7.0	0.7%	1.53	7.0%	428	-0.4%	416	1.2%	58,945	1.1%	121	2.6%
2001	19.5	-0.2%	7.1	-0.1%	7.1	1.9%	1.42	-7.0%	444	3.7%	413	-0.8%	58,560	-0.7%	118	-2.3%
2002	19.5	0.2%	7.1	0.3%	7.0	-1.0%	1.35	-5.3%	474	6.8%	413	0.1%	58,436	-0.2%	117	-0.3%
2003	19.4	-0.5%	7.0	-0.4%	7.1	0.5%	1.33	-1.3%	508	7.0%	423	2.4%	60,078	2.8%	123	4.6%
2004	19.3	-0.8%	7.0	-0.7%	8.5	20.5%	1.41	6.0%	627	23.6%	430	1.6%	61,465	2,3%	128	4.5%
2005	19.3	0.2%	7.0	0.2%	8.7	1.3%	1.43	1.5%	640	2.1%	435	1.2%	62,085	1.0%	128	0.0%
2006	19.4	0.4%	7.1	0.7%	8.9	2.5%	1.46	2.1%	669	4.5%	443	1.8%	62,739	1.1%	134	4.2%
2007	19.5	0.4%	7,1	0.7%	9.0	1.3%	1.46	0.0%	697	4.2%	448	1.0%	62,908	0.3%	135	0.8%
2008	19.6	0.4%	7.2	0.8%	9.1	0.9%	1.45	-0.5%	730	4.7%	452	1.0%	63,060	0.2%	136	1.0%
2009	19.7	0.5%	7.2	0.9%	9.2	1.1%	1.45	0.1%	764	4.7%	456	0.9%	63,005	-0.1%	138	1.0%
2010	19.8	0.6%	7.3	1.0%	9.2	0.7%	1.45	-0.2%	796	4.1%	463	1.6%	63,343	0.5%	139	1.1%
2011	19.9	0.6%	7.4	1.0%	9.3	0.8%	1.45	-0.3%	827	4.0%	470	1.4%	63,618	0.4%	140	0.8%
2012	20.0	0.5%	7.5	1.0%	9.4	0.9%	1.44	-0.3%	859	3.8%	477	1.5%	63,943	0,5%	141	0.8%
2013	20.1	0.4%	7.5	0.9%	9.5	0.7%	1,43	-0.5%	887	3.3%	485	1.6%	64,390	0.7%	143	1.0%
2014	20.2	0.4%	7.6	0.9%	9.5	0.6%	1.43	-0.6%	916	3.2%	492	1.5%	64,771	0.6%	144	0.9%
2015	20.2	0.2%	7.6	0.6%	9.5	0.2%	1.41	-0.9%	941	2.8%	497	1.1%	65,106	0.5%	145	0.5%
2016	20.3	0.2%	7.7	0.5%	9.5	-0.1%	1.40	-1.1%	965	2.6%	503	1.1%	65,476	0.6%	145	0.4%
2017	20.3	0.3%	7.7	0.5%	9.5	-0.2%	1.38	-1.2%	991	2.7%	508	1.1%	65,842	0.6%	146	0.4%
2018	20.4	0.3%	7.8	0.5%	9.5	-0.1%	1.36	-1.2%	1,015	2.4%	514	1.1%	66,244	0.6%	147	0.4%
2019	20.4	0,3%	7.8	0.5%	9.5	-0.1%	1.35	-1.2%	1,037	2.1%	520	1.2%	66,678	0.7%	147	0.6%
2020	20.5	0.4%	7.8	0.6%	9.5	-0.1%	1.33	-1.3%	1,058	2.0%	527	1.3%	67,179	0.8%	148	0.6%
2021	20.6	0.4%	7.9	0.5%	9.5	-0.2%	1.31	-1.4%	1,078	1.9%	534	1.3%	67,715	0.8%	149	0.6%
2022	20.7	0.4%	7.9	0.5%	9.4	-0.3%	1.29	-1.5%	1,098	1.9%	541	1.3%	68,302	0.9%	150	0.6%
2023	20.8	0.4%	8.0	0.4%	9.4	-0.2%	1.28	-1.4%	1,120	2.0%	548	1.3%	68,931	0.9%	151	0.6%
2024	20.8	0.4%	8.0	0.4%	9.4	-0.2%	1.26	-1.5%	1,139	1.8%	556	1.3%	69,577	0.9%	152	0.6%
2025	20.9	0.4%	8.0	0.3%	9.4	-0.2%	1.24	-1.5%	1,159	1.7%	563	1.3%	70,244	1.0%	153_	0.5%
Average Perce	nt Change	i)]										
1995-2005		0.6%		0.6%		1.3%		-1.5%		5.3%		2.0%		1,4%		2.7%
2006-2015		0.5%		0.9%		0.8%		-0.3%		3.9%		1.3%		0.4%		0.9%
2016-2025		0.3%		0.5%		-0.2%		-1.3%		2.0%		1.3%		0.8%		0.6%

Table D - 7

Historical and Projected Economic Trends of the Big Stone II Member Counties

(Source: Economy.com)

City of Kasson (Dodge County)

Value % Cha O.94 4.5 Cha O.94 4.5 Cha O.94 O.94<			% Cha Value - 152 - 151 - 154% 13.9% 216 0.3% 181 4.0% 273 10.5% 282 9.9% 282 9.9% 306 2% 319 1.2% 331 1.6% 389 2.1% 408 1.5% 418 1.6% 427 1.6% 427	Value % Chg 152 -0.8% 216 -18% 216 -18% 225 40.5% 273 7.2% 306 8.5% 304 -0.7% 319 4.9% 331 3.9% 368 11.2% 369 5.6% 409 3.1% 401 2.1%	Value % G	% Cha 11.1% 11.1% 7.4% 8.9% 2.26% 3.36% 3.66% 1.3% 1.3% 1.3%	Value 55,287 51,751 56,991 56,908 59,102 60,858 66,453 66,453 67,637 71,458	2. Cha -6. 4 -6. 4 -7. 2. 4% 8. 0% 8. 0% 9. 0. 2% 1. 1. 8% 2. 7% 0. 2% -0. 6% 2. 7%	Value 53 64 64 77 77 79 84 84 84 84 84 84 84 84 84 84 84 84 84	% Chg 15.8% 7.2% 7.2% 7.0% 7.0% 9.1% -0.4% -3.4% -1.9% 5.2% 1.9%
16.2 - 5.7 - 2.8 - 16.4 1.4% 5.8 1.7% 2.9 4.5% 16.5 0.6% 5.9 0.9% 4.2 42.0% 16.5 0.6% 5.9 0.9% 4.2 42.0% 16.7 0.8% 6.0 1.1% 4.4 4.5 42.0% 17.0 1.5% 6.0 1.0% 4.5 4.4 4.5 4.5% 17.1 0.6% 6.2 0.9% 4.5 2.43% 6.1 4.5 2.43% 17.4 1.4% 6.3 1.7% 4.4 4.5 2.8% 1.7% 4.4 4.4% 1.7% 1.8% 6.1 4.4% 1.6% 1.6% 1.8% 6.1 1.9% 6.1 1.8% 6.1 1.8% 6.1 1.9% 6.1 1.9%	7 - 2.8 1.7% 4.2 4.0 1.1% 4.2 2.9 1.10% 4.2 2.9 1.10% 4.4 3.2 -2 1.10% 4.4 3.2 -2 1.10% 4.4 3.2 -2 1.10% 5.0 4.5 5.0 1.9% 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0				317 302 336 331 356 373 406 416 478 478 501 509 515 522	- 4 4	55,287 51,751 56,991 55,608 59,102 60,858 65,716 66,437 69,467 71,334 71,458	-6.4% 10.1% -2.4% 6.3% 8.0% 0.9% 0.2% 1.8% 3.3% -0.6% -0.6%	53 62 64 64 68 77 77 77 79 79 84 84 84 84 91 92 91 92 91 92 84 84 84 84 84 84 84 84 84 84 84 84 84	15.8% 3.7% 7.2% 7.2% 7.0% 0.1% 0.1% -0.4% -23.8% 1.9% 1.9%
16.4 1.4% 5.8 1.7% 2.9 4.5% 16.5 0.6% 5.9 0.9% 4.2 42.0% 16.5 0.6% 5.9 0.9% 4.2 42.0% 17.0 1.5% 6.0 1.1% 4.2 42.0% 17.0 1.5% 6.1 1.7% 4.4 35.9% 17.1 0.6% 6.2 0.8% 4.5 2.8% 17.4 1.4% 6.3 1.7% 4.4 35.9% 17.4 1.4% 6.3 1.7% 4.4 5.8 6.1% 17.4 1.4% 6.3 1.8% 5.1 1.9% <	1.7% 2.9 1.1% 4.2 4.2 4.2 1.1% 4.2 4.4 4.2 1.1% 4.2 4.4 4.5 1.1% 4.5 1.2 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0				302 336 331 356 373 406 416 471 471 478 501 509 515 532	4.8% 4.1.1.4% 4.4.4% 8.6.2% 8.0.6% 8.0.0.0 8.0.0 8.0.0 8.0.0 8.0.0.0 8.0.0.0 8.0.0.0 8.0.0.0 8.0.0.0 8	51,751 56,991 55,608 59,102 60,858 65,716 66,453 67,637 69,467 71,334 71,334	6.4% 6.3% 6.3% 9.0% 9.0% 0.9% 1.8% 1.8% 1.0% 1.0%	64 68 68 77 77 77 77 79 79 79 79 79 79 79 79 79	15.8% 3.7% 7.6% 7.6% 7.0% 7.0% 1.0.4% 1.3.8% 1.9% 1.2% 1.2%
16.5 0.6% 5.9 0.9% 4.2 42.0% 16.7 0.8% 6.0 1.1% 4.2 42.0% 17.0 1.5% 6.0 1.1% 4.4 35.9% 17.1 0.6% 6.2 0.8% 4.5 2.43% 17.4 1.4% 6.3 1.7% 4.4 35.9% 17.4 1.4% 6.3 1.7% 4.4 35.9% 17.4 1.4% 6.3 1.7% 4.4 35.9% 18.2 1.7% 6.5 1.8% 5.1 1.9% 18.2 1.7% 6.5 1.8% 5.1 1.9% 18.2 1.7% 6.5 1.9% 5.0 4.4% 18.4 6.7 2.2% 5.0 4.4% 18.6 1.2% 7.0 2.2% 5.1 1.9% 20.0 2.2% 7.7 1.9% 5.0 1.8% 20.1 1.5% 7.7 1.9% 5.0 1.9% 20.2 1.3% 7.0 1.8% 6.1 1.9%	0.9% 1.1% 1.1% 1.1% 1.1% 1.1% 1.1% 1.1% 1	33333444444444			336 331 356 373 373 406 416 471 478 501 509 515 522	% 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56,991 55,608 59,102 60,858 65,716 66,453 67,637 69,893 69,467 71,334 71,334	10.1% 6.3% 8.0% 8.00% 0.9% 1.8% 1.8% 1.0% 1.0%	. 68 68 7 7 7 7 7 7 7 9 7 9 8 8 8 4 8 4 9 6 9 7 9 8 9 7 9 8 9 7 9 8 9 8 9 7 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8	3.7% 7.2% 7.6% 2.3% 7.0% 6.17% -0.4% -23.8% 1.9% 1.2%
16.7 0.8% 6.0 1.1% 4.2 1.7% 16.8 0.7% 6.0 1.0% 3.2 -24.3% 17.0 1.5% 6.1 1.7% 4.4 35.9% 17.1 0.6% 6.2 0.8% 4.5 2.8% 17.4 1.4% 6.3 1.7% 4.4 35.9% 17.4 1.4% 6.3 1.7% 4.4 35.9% 18.9 1.7% 6.5 3.0% 5.0 4.4% 18.6 2.4% 6.7 2.5% 5.1 1.9% 18.9 1.9% 6.9 1.9% 5.1 1.9% 19.4 2.2% 7.0 2.2% 5.0 4.4% 19.4 2.2% 7.1 1.3% 5.1 1.8% 20.0 2.0% 7.3 2.4% 5.0 1.8% 20.1 1.5% 7.4 2.2% 5.1 1.9% 20.2 1.3% 7.4 2.2% 5.0 1.9% 21.0 1.3% 7.7 1.9% 5.0	1,1% 1,1% 1,0% 1,7% 1,7% 1,7% 1,7% 1,7% 1,7% 1,1% 1,1	3033444444444		, -	331 356 373 406 416 430 471 471 501 509 515 532	.1 %6.1 %8.4.4.4.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8	55,608 59,102 60,858 65,716 66,327 67,637 69,893 69,467 71,334 71,334	6.3% 6.3% 8.0% 9.09% 0.9% 1.8% 1.8% 1.0% 1.0%	. 68 77 77 77 79 79 84 84 84 91 91 43	7.2% 7.6% 4.5% 7.0% 0.1% -0.4% -23.8% -23.8% 1.2% 1.2%
16.8 0.7% 6.0 1.0% 3.2 -24.3% 17.0 1.5% 6.1 1.7% 4.4 35.9% 17.1 0.6% 6.2 0.8% 4.5 2.8% 17.4 1.4% 6.3 1.7% 4.8 6.1% 17.4 1.4% 6.5 3.0% 5.0 4.4% 18.2 1.7% 6.5 3.0% 5.0 4.4% 18.2 1.7% 6.5 1.9% 5.1 1.9% 18.4 2.7% 6.5 1.9% 5.1 1.9% 18.5 1.2% 7.0 2.2% 5.1 0.8% 19.4 2.2% 7.0 2.2% 5.3 1.8% 20.0 2.2% 7.7 1.3% 5.4 1.5% 20.1 1.6% 7.7 1.9% 5.8 2.0% 20.2 1.3% 8.0 1.8% 6.0 1.9% 21.3 1.4% 7.9 1.8% 6.0 1.9% 21.4 1.3% 8.1 1.8% 6.0	1.0% 1.7% 1.7% 1.7% 1.7% 1.7% 1.7% 1.7% 1.3% 1.9%			1 *	356 373 406 416 430 471 478 501 509 515 525	7.4.% 8.9.% 8.0.0% 8.0.0% 8.0.0.0 7.0.0% 8.0.0.0 7.0.0% 8.0.0.0 8.0.0% 8	59,102 60,858 65,716 66,827 66,453 67,637 69,893 69,467 71,334 71,334	6.3% 8.0% 8.0% 0.2% 1.8% -0.6% -0.2% -0.2%	77 77 77 79 84 84 84 91 92 43 43	7.6% 4.5% 7.0% 0.1% 8.7% -0.4% -23.8% 1.3% 1.3%
17.0 1.5% 6.1 1.7% 4.4 35.9% 17.1 0.6% 6.2 0.8% 4.5 2.8% 17.4 1.4% 6.3 1.7% 4.5 2.8% 17.9 2.7% 6.5 3.0% 4.4 5.9% 18.2 1.7% 6.5 3.0% 5.0 4.4% 18.2 1.7% 6.5 3.0% 5.0 4.4% 18.2 1.7% 6.5 1.9% 6.1 1.9% 19.4 2.2% 6.7 2.2% 5.0 2.3% 19.6 1.2% 7.1 1.3% 5.4 1.5% 20.0 2.0% 7.1 1.3% 5.5 1.1% 20.1 1.6% 7.4 2.2% 5.5 1.1% 20.2 1.6% 7.7 1.9% 5.5 1.1% 20.3 1.8% 7.7 1.9% 5.0 2.1% 20.1 1.6% 7.7 1.9% 5.0 1.9% 20.2 1.6% 7.7 1.9% 5.0 <t< th=""><th>1.7% 4.4 3 0.8% 4.5 1.7% 4.8 4.5 1.7% 4.8 4.5 1.2% 5.0 1.9% 5.0 2.2% 5.3 1.3% 5.0 1.9% 5.0 1.9% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.3% 6.6</th><th></th><th></th><th>•</th><th>373 406 416 430 445 471 478 501 501 516 525 532</th><th>8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8</th><th>60,858 65,716 66,327 66,453 67,637 69,893 69,467 71,334 71,458</th><th>3.0% 8.0% 0.9% 1.8% -0.6% 0.2% -1.0%</th><th>77 79 84 84 84 91 92 93 94 43 43</th><th>4.5% 2.3% 7.0% 0.1% -0.4% -23.8% 1.9% 1.9%</th></t<>	1.7% 4.4 3 0.8% 4.5 1.7% 4.8 4.5 1.7% 4.8 4.5 1.2% 5.0 1.9% 5.0 2.2% 5.3 1.3% 5.0 1.9% 5.0 1.9% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.3% 6.6			•	373 406 416 430 445 471 478 501 501 516 525 532	8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	60,858 65,716 66,327 66,453 67,637 69,893 69,467 71,334 71,458	3.0% 8.0% 0.9% 1.8% -0.6% 0.2% -1.0%	77 79 84 84 84 91 92 93 94 43 43	4.5% 2.3% 7.0% 0.1% -0.4% -23.8% 1.9% 1.9%
17.1 0.6% 6.2 0.8% 4.5 2.8% 17.4 1.4% 6.3 1.7% 4.8 6.1% 17.9 2.7% 6.5 3.0% 5.0 4.4% 18.2 1.7% 6.5 1.9% 5.0 4.4% 18.2 1.7% 6.5 1.9% 5.0 4.4% 18.6 2.4% 6.7 2.2% 5.0 -2.3% 19.6 1.2% 7.0 2.2% 5.3 6.1% 20.0 2.2% 7.1 1.3% 5.4 1.5% 20.0 2.0% 7.3 2.4% 5.5 1.8% 6.1% 20.1 1.8% 7.4 2.2% 5.5 1.8% 2.1% 20.2 1.6% 7.7 1.8% 5.0 1.9% 21.0 1.5% 7.7 1.8% 6.0 1.8% 21.1 1.3% 8.2 1.8% 6.1 1.9% 21.1 1.3% 8.4 1.6% 6.3 1.8% 22.4 1.1% 1.2%	0.8% 1.7% 3.0% 1.8% 2.5% 1.9% 2.2% 2.2% 2.2% 2.2% 2.2% 2.2% 5.5 2.2% 2.2% 5.6 2.0% 1.9% 5.7 1.9% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.8% 6.0 1.9% 6.0 1.9% 6.0 1.9% 6.0 1.9% 6.0 1.9% 6.0 1.9% 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	3.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	480 004		406 416 430 445 471 478 501 509 516 525 532	8.9% 3.2% 3.2% 5.9% 1.3% 1.5% 1.5%	65,716 66,327 66,453 67,637 69,893 69,893 71,334 71,334	8.0% 0.9% 0.2% 1.8% -0.6% 0.2% -1.0%	79 844 922 924 943 943 943	2.3% 7.0% 0.1% 6.14% -23.8% 1.9% 1.9% 1.2%
17.4 14% 6.3 1.7% 4.8 6.1% 17.9 2.7% 6.5 3.0% 5.0 4.4% 18.2 1.7% 6.5 3.0% 5.0 4.4% 18.6 2.4% 6.7 2.5% 5.0 4.4% 18.9 1.9% 6.9 5.0 2.3% 19.4 2.2% 7.0 2.2% 5.3 6.1% 20.0 2.0% 7.3 2.4% 5.5 1.8% 20.1 1.8% 7.4 2.2% 5.6 2.1% 20.2 1.6% 7.7 1.9% 5.5 1.8% 20.3 1.8% 7.7 1.9% 5.0 2.1% 20.1 1.5% 7.7 1.9% 5.0 1.9% 21.3 1.4% 7.9 1.8% 6.0 1.8% 21.4 1.5% 7.0 1.8% 6.1 1.9% 21.3 1.3% 8.0 1.8% 6.1 1.8% 22.4 1.1% 8.6 1.5% 6.2 1.9%	1.7% 3.0% 1.8% 5.0 1.9% 5.1 2.2% 5.3 2.2% 5.3 5.4 1.9% 5.4 1.9% 6.0 1.8% 6.0 1.8% 6.1 1.5% 6.3 1.5% 6.3 1.3% 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0		4 100 100		416 430 445 471 478 501 509 516 525 532	2.6% 3.2% 3.6% 5.9% 1.3% 1.5% 1.5%	66,327 66,453 67,637 69,893 69,467 71,334 71,458 70,760	0.9% 0.2% 1.8% 1.0.6% 0.2% 1.0%	8 8 8 9 8 9 8 9 8 9 9 9 9 9 9 9 9 9 9 9	7.0% 0.1% 0.1% -0.4% -23.8% 1.9% 1.9%
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18.2 1.7% 6.6 1.8% 5.1 1.9% 18.6 2.4% 6.7 2.5% 5.1 0.3% 18.9 1.9% 6.9 1.9% 5.0 -2.3% 19.4 2.2% 7.0 2.2% 5.0 -2.3% 19.6 1.2% 7.1 1.3% 5.4 1.5% 20.0 2.0% 7.3 2.4% 5.6 2.1% 20.1 1.8% 7.4 2.2% 5.6 2.1% 20.7 1.6% 7.7 1.9% 5.9 1.9% 21.0 1.5% 7.7 1.9% 5.0 1.9% 21.1 1.3% 8.0 1.8% 6.0 1.8% 22.1 1.2% 7.9 1.8% 6.1 1.9% 22.4 1.2% 8.3 1.8% 6.4 1.8% 22.5 1.0% 8.7 1.3% 6.4 1.8% 22.6 1.1% 8.6 1.3% 6.4 1.8% 22.1 1.0% 8.7 1.3% 6.7 <	1.8% 2.5% 1.9% 1.3% 2.2% 2.2% 5.5 2.0% 2.0% 5.6 1.9% 6.0 1.8% 6.0 1.8% 6.1 1.5% 6.3 1.5% 6.6 1.3% 6.6 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6.6 1.3% 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				445 471 478 501 509 516 525	3.6% 6.0.7% 7.0.0% 8.0.7% 8.0.7%	67,637 69,893 69,467 71,334 71,458 70,760	1.8% -0.6% 2.7% -1.0% -0.4%	92 91 39 42 43 43	8.7% -0.4% -23.8% 1.9% 5.2% 1.4%
18.6 2.4% 6.7 2.5% 5.1 0.8% 18.9 1.9% 6.9 1.9% 5.0 -2.3% 19.4 2.2% 7.0 2.2% 5.0 -2.3% 19.6 1.2% 7.1 1.3% 5.4 1.5% 20.0 2.0% 7.3 2.4% 5.6 2.1% 20.0 1.8% 7.4 2.2% 5.6 2.1% 20.1 1.5% 7.7 1.9% 5.7 1.5% 21.0 1.5% 7.7 1.9% 5.9 1.9% 21.1 1.3% 8.0 1.8% 6.0 1.8% 21.2 1.3% 8.2 1.9% 5.9 1.9% 22.1 1.2% 7.9 1.8% 6.1 1.9% 22.4 1.2% 8.3 1.8% 6.4 1.8% 22.6 1.1% 8.6 1.5% 6.4 1.8% 22.1 1.0% 8.7 1.3% 6.4 1.8% 22.2 1.0% 8.9 1.3% 6.3 <	2.5% 1.9% 2.2% 2.2% 2.4% 2.4% 2.0% 2.0% 3.5 2.0% 1.9% 1.9% 6.0 1.8% 6.0 1.7% 6.0 1.5% 6.1 1.5% 6.0 1.3% 6.1 1.3% 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0		,		471 478 501 509 516 525 532	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	69.893 69,467 71,334 71,458 70,760	3.3% -0.6% 2.7% 0.2% -1.0%	91 39 40 43 43	-0.4% -43.8% -23.8% 1.9% 1.4%
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19.4 2.2% 7.0 2.2% 5.3 6.1% 19.6 1.2% 7.1 1.3% 5.4 1.5% 20.0 2.0% 7.3 2.4% 5.5 1.8% 20.3 1.8% 7.4 2.2% 5.6 2.1% 20.7 1.6% 7.7 1.9% 5.9 1.9% 21.0 1.5% 7.7 1.9% 5.9 1.9% 21.3 1.4% 7.9 1.8% 6.0 1.9% 21.6 1.3% 8.0 1.8% 6.1 2.0% 21.6 1.3% 8.0 1.8% 6.1 2.0% 22.1 1.2% 8.3 1.7% 6.2 1.9% 22.2 1.1% 8.6 1.5% 6.2 1.9% 22.2 1.1% 8.6 1.5% 6.4 1.8% 22.3 1.0% 8.9 1.3% 6.8 1.8% 23.3 1.0% 9.0 1.3% 6.8 1.8% 24.5 1.0% 9.1 1.2% 7.0 <td< th=""><th>2.2% 1.3% 2.4% 5.5 2.2% 5.6 2.0% 1.9% 1.9% 5.9 1.8% 6.0 1.18% 6.1 1.5% 6.4 1.3% 6.6</th><th></th><th></th><th></th><th>501 509 516 525 532</th><th>5.0% 1.5% 1.4%</th><th>71,334 71,458 70,760</th><th>2.7% 0.2% -1.0% -0.4%</th><th>39 40 43 43</th><th>-23.8% 1.9% 5.2% 1.4%</th></td<>	2.2% 1.3% 2.4% 5.5 2.2% 5.6 2.0% 1.9% 1.9% 5.9 1.8% 6.0 1.18% 6.1 1.5% 6.4 1.3% 6.6				501 509 516 525 532	5.0% 1.5% 1.4%	71,334 71,458 70,760	2.7% 0.2% -1.0% -0.4%	39 40 43 43	-23.8% 1.9% 5.2% 1.4%
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20.3 1.8% 7.4 2.2% 5.6 2.1% 20.7 1.6% 7.6 2.0% 5.7 1.5% 21.0 1.5% 7.7 1.9% 5.8 2.0% 21.3 1.4% 7.9 1.8% 5.9 1.9% 21.6 1.3% 8.0 1.8% 6.0 1.8% 21.6 1.3% 8.2 1.8% 6.0 1.8% 22.1 1.2% 8.3 1.7% 6.2 1.9% 22.4 1.2% 8.6 1.5% 6.4 1.8% 22.5 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.7 1.3% 6.6 1.7% 23.3 1.0% 8.9 1.3% 6.9 1.8% 24.0 1.0% 9.1 1.2% 7.0 1.8% 24.5 1.0% 9.2 1.2% 7.2 1.8% 24.5 1.0% 9.5 0.9% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 <td< th=""><th>2.2% 2.0% 1.9% 1.9% 5.8 1.8% 6.0 1.8% 6.1 1.7% 6.2 1.5% 6.3 1.3% 6.6</th><th>, , , , , , , , , , , , , , , , , , ,</th><th></th><th></th><th>525 532</th><th>1.8%</th><th>70 500</th><th>-0.4%</th><th>43 43</th><th>1.4%</th></td<>	2.2% 2.0% 1.9% 1.9% 5.8 1.8% 6.0 1.8% 6.1 1.7% 6.2 1.5% 6.3 1.3% 6.6	, , , , , , , , , , , , , , , , , , ,			525 532	1.8%	70 500	-0.4%	43 43	1.4%
20.7 1.6% 7.6 2.0% 5.7 1.5% 21.0 1.5% 7.7 1.9% 5.8 2.0% 21.3 1.4% 7.9 1.8% 5.9 1.9% 21.6 1.3% 8.0 1.8% 6.0 1.8% 21.8 1.3% 8.2 1.8% 6.1 2.0% 22.1 1.2% 8.3 1.7% 6.2 1.9% 22.4 1.2% 8.4 1.6% 6.4 1.8% 22.5 1.0% 8.7 1.3% 6.4 1.8% 22.9 1.0% 8.7 1.3% 6.7 1.7% 23.1 1.0% 8.9 1.3% 6.9 1.8% 23.3 1.0% 9.0 1.3% 6.9 1.8% 24.0 1.0% 9.1 1.2% 7.0 1.8% 24.5 1.0% 9.2 1.2% 7.4 1.6% 24.5 1.0% 9.5 0.9% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 <td< th=""><th>2.0% 1.9% 1.19% 5.8 1.18% 6.0 1.17% 6.2 1.5% 6.3 1.5% 6.4</th><th></th><th></th><th></th><th>532</th><th>700. *</th><th>יטניטי/</th><th>702.0</th><th>43</th><th>1.2%</th></td<>	2.0% 1.9% 1.19% 5.8 1.18% 6.0 1.17% 6.2 1.5% 6.3 1.5% 6.4				532	700. *	יטניטי/	702.0	43	1.2%
21.0 1.5% 7.7 1.9% 5.8 2.0% 21.3 1.4% 7.9 1.8% 5.9 1.9% 21.6 1.3% 8.0 1.8% 6.0 1.8% 21.8 1.3% 8.2 1.8% 6.0 1.8% 22.1 1.2% 8.3 1.7% 6.2 1.9% 22.4 1.2% 8.4 1.6% 6.4 1.8% 22.9 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.9 1.3% 6.9 1.8% 23.3 1.0% 9.1 1.2% 7.0 1.8% 24.0 1.0% 9.1 1.2% 7.2 1.8% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.5 1.0% 9.5 0.9% 7.5 1.6%	1.9% 1.8% 1.8% 1.8% 6.0 1.7% 6.2 1.5% 6.3 1.5% 6.4 1.3% 6.6					3.5%	70,031			
21.3 1.4% 7.9 1.8% 5.9 1.9% 21.6 1.3% 8.0 1.8% 6.0 1.8% 21.8 1.3% 8.2 1.8% 6.0 1.8% 22.1 1.2% 8.3 1.7% 6.2 1.9% 22.4 1.2% 8.4 1.6% 6.4 1.8% 22.6 1.0% 8.7 1.3% 6.4 1.8% 22.9 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.9 1.3% 6.9 1.8% 23.3 1.0% 9.1 1.2% 7.0 1.8% 24.0 1.0% 9.1 1.2% 7.2 1.8% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.5 1.0% 9.5 0.9% 7.5 1.6%	1.8% 1.8% 1.8% 6.0 1.7% 6.1 1.5% 1.5% 6.3 1.3% 6.6				541	1.7%	69,877	-0.2%	44	1.5%
21.6 1.3% 8.0 1.8% 6.0 1.8% 21.8 1.3% 8.2 1.8% 6.1 2.0% 22.1 1.2% 8.3 1.7% 6.2 1.9% 22.4 1.2% 8.4 1.6% 6.3 1.8% 22.6 1.1% 8.6 1.5% 6.4 1.8% 22.9 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.9 1.3% 6.9 1.8% 23.6 1.0% 9.0 1.3% 6.9 1.8% 24.0 1.0% 9.2 1.2% 7.0 1.8% 24.5 1.0% 9.3 1.1% 7.3 1.6% 24.5 1.0% 9.5 0.9% 7.5 1.6%	1.8% 6.0 1.8% 6.1 1.7% 6.2 1.6% 6.3 1.5% 6.4 1.3% 6.6		1.5% 436	2.0%	548	1.4%	69,564	-0.4%	44	0.7%
21.8 1.3% 8.2 1.8% 6.1 2.0% 22.1 1.2% 8.3 1.7% 6.2 1.9% 22.4 1.2% 8.4 1.6% 6.3 1.8% 22.6 1.1% 8.6 1.5% 6.4 1.8% 22.9 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.9 1.3% 6.9 1.8% 23.3 1.0% 9.0 1.3% 6.9 1.8% 24.0 1.0% 9.1 1.2% 7.0 1.8% 24.3 1.0% 9.2 1.2% 7.2 1.8% 24.5 1.0% 9.5 0.9% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.8% 6.1 1.7% 6.2 1.6% 6.3 1.5% 6.4 1.3% 6.6				556	1.5%	66,399	-0.2%	45	%9.0
22.1 1.2% 8.3 1.7% 6.2 1.9% 22.4 1.2% 8.4 1.6% 6.3 1.8% 22.6 1.1% 8.6 1.5% 6.4 1.8% 22.9 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.9 1.3% 6.8 1.3% 23.3 1.0% 9.0 1.3% 6.8 1.8% 23.8 1.0% 9.0 1.2% 7.0 1.8% 24.0 1.0% 9.2 1.2% 7.2 1.8% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.7% 6.2 1.6% 6.3 1.5% 6.4 1.3% 6.6				565	1.6%	69,255	-0.5%	45	0.8%
22.4 1.2% 8.4 1.6% 6.3 1.8% 22.6 1.1% 8.6 1.5% 6.4 1.8% 22.9 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.9 1.3% 6.8 1.8% 23.3 1.0% 8.9 1.3% 6.8 1.8% 23.6 1.0% 9.0 1.3% 6.9 1.8% 24.0 1.0% 9.1 1.2% 7.0 1.8% 24.5 1.0% 9.3 1.1% 7.3 1.6% 24.5 1.0% 9.5 0.9% 7.5 1.6%	1.5% 6.3 1.5% 6.4 1.3% 6.6	•			573	1.4%	69,004	-0.4%	45	%9.0
22.6 1.1% 8.6 1.5% 6.4 1.8% 22.9 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.9 1.3% 6.9 1.3% 23.3 1.0% 9.0 1.3% 6.9 1.8% 23.6 1.0% 9.0 1.3% 6.9 1.8% 24.0 1.0% 9.1 1.2% 7.2 1.8% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.3% 6.4 1.3% 6.6				280	1.2%	68,759	-0.4%	46	%9.0
22.9 1.0% 8.7 1.3% 6.6 1.7% 23.1 1.0% 8.8 1.3% 6.7 1.7% 23.3 1.0% 8.9 1.3% 6.9 1.8% 24.0 1.0% 9.2 1.2% 7.2 1.8% 24.5 1.0% 9.4 1.0% 9.5 0.9% 7.5 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.3% 6.6				287	1.2%		-0.3%	46	0.5%
23.1 1.0% 8.8 1.3% 6.7 1.7% 23.3 1.0% 8.9 1.3% 6.8 1.8% 23.6 1.0% 9.0 1.3% 6.9 1.8% 24.0 1.0% 9.1 1.2% 7.0 1.8% 24.5 1.0% 9.2 1.2% 7.2 1.6% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%					594	1.1%		-0.2%	46	0.3%
23.3 1.0% 8.9 1.3% 6.8 1.8% 23.6 1.0% 9.0 1.3% 6.9 1.8% 24.0 1.0% 9.2 1.2% 7.0 1.8% 24.3 1.0% 9.2 1.2% 7.2 1.8% 24.5 1.0% 9.3 1.1% 7.3 1.6% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.3% 6.7				900	1.1%		-0.2%	46	0.5%
23.6 1.0% 9.0 1.3% 6.9 1.8% 23.8 1.0% 9.1 1.2% 7.0 1.8% 24.0 1.0% 9.2 1.2% 7.2 1.8% 24.3 1.0% 9.3 1.1% 7.3 1.6% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.3% 6.8				209	1.1%		-0.2%	46	0.4%
23.8 1.0% 9.1 1.2% 7.0 1.8% 24.0 1.0% 9.2 1.2% 7.2 1.8% 24.3 1.0% 9.3 1.1% 7.3 1.6% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.3% 6.9	`			613	1.0%		-0.3%	46	0.4%
24.0 1.0% 9.2 1.2% 7.2 1.8% 24.3 1.0% 9.3 1.1% 7.3 1.6% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.2% 7.0				619	1.0%	67,838	0.2%	47	0.3%
24.3 1.0% 9.3 1.1% 7.3 1.6% 24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.2% 7.2	•			625	1.0%	67,727	-0.2%	47	0.3%
24.5 1.0% 9.4 1.0% 7.4 1.6% 24.8 1.0% 9.5 0.9% 7.5 1.6%	1.1% 7.3				631	0.9%	67,653	-0.1%	47	0.3%
24.8 1.0% 9.5 0.9% 7.5 1.6%	1.0%	_	1.0% 583		637	0.9%	67,595	-0.1%	47	0.4%
	0.9% 7.5 1		0.9%		642	0.9%	67,563	%0.0	47	0.3%
0.9% 7.6 1.5%	0.9% 7.6	5% 1.65	0.8% 614	2.7%	648	0.9%	67,555	%0.0	47	0.3%
Average Percent Change						-				
1995-2005 1.6% 1.8% 2.4%		4%	3.2%	6.1%		4.4%		2.5%		-5.2%
1.4%		%6	1.3%	2.2%		1.5%		-0.4%		%6.0
		7%	1.2%	2.5%		1.0%		-0.1%		0.3%

City of Kenyon (Goodhue County)

Mid-range Economic Case	Populatio		Househol		Nonf Employme	ent (Ths.)	Manufa Employme	ent (Ths.)	Gross De Product (\$	M; \$1996)	Personal (\$M; \$1	1996)	Personal In Household	(\$1996)	Retail Sa \$199	96)
	Value	% Chg	Valuë	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	<u>Value</u>	% Chg	! <u>Value</u>	% Chg	Value	% Chg
1992	41.4	-	15.6	-	19.1	-	4.19	-	988	-	918	-	58,993	-	308	-
1993	42.0	1.5%	15.8	1.9%	19.9	4.0%	4.43	5.7%	978	-1.0%	909	-1.0%	57,352	-2.8%	332	7.6%
1994	42.3	0.6%	16.0	0.9%	19.8	-0.7%	4.51	1.7%	995	1.7%	955	5.1%	59,767	4.2%	351	5.8%
1995	42.6	0.7%	16.1	1.0%	20.1	1.7%	4.65	3.1%		3.2%	961	0.6%	59,545	-0.4%	351	-0.1%
1996	42.8	0.6%	16.3	0.9%	20.7	3.1%	4.79	3.0%	, ,	6.9%	1,018	5.9%	62,500	5.0%	353	0.6%
1997	43.3	1.2%	16.5	1.5%	20.9	0.7%	5.20	8.7%		7.1%	1,046	2.7%	63,276	1.2%	359	1.7%
1998	43.8	1.0%	16.8	1.3%	21.6	3.6%	5.11	-1.8%	1,252	6.4%	1,098	4.9%	65,534	3.6%	352	-1.9%
1999	44.0	0.4%	16.9	0.7%	21.1	-2.5%	4.82	-5.7%	1 '	-3.0%	1,102	0.4%	65,313	-0.3%	377	7.0%
2000	44.2	0.4%	17.0	0.7%	21.5	1.9%	4.83	0.2%	1,245	2.5%	1,112	0.9%	65,425	0.2%	382	1.4%
2001	44.6	1.1%	17.2	1.1%	21.7	1.0%	4.63	-4.1%	1,264	1.6%	1,132	1.8%	65,842	0.6%	411	7.6%
2002	45.0	0.8%	17.3	0.8%	21.2	-2.3%	4.43	-4.2%	1,319	4.3%	1,164	2.8%	67,151	2.0%	407	-1,1%
2003	45.2	0.5%	17.4	0.5%	20.9	-1.5%	4.14	-6.6%	,	1.3%	1,168	0.4%	67,050	-0.2%	464	14.2%
2004	45.5	0.7%	17.6	0.8%	22.1	6.1%	4.05	-2.1%	1,417	6.0%	1,198	2.6%	68,255	1.8%	555	19.6%
2005	45.6	0.2%	17.6	0.3%	22.5	1.6%	4.11	1.5%	1,513	6.8%	1,220	1.8%	69,286	1.5%	563	1.4%
2006	45.9	0.7%	17.8	1.0%	23.1	2.8%	4.21	2.5%	1,559	3.0%	1,249	2.4%	70,259	1.4%	590	4.8%
2007	46.2	0.7%	18.0	1.0%	23.5	1.7%	4.24	0.5%	1,597	2.5%	1,274	2.0%	70,933	1.0%	601	1.8%
2008	46.5	0.7%	18.1	1.0%	23.8	1.1%	4.23	0.0%	1,649	3.2%	1,299	2.0%	71,588	0.9%	613	2.0%
2009	46.8	0.6%	18.3	1.0%	24.1	1.3%	4.25	0.4%	1,697	3.0%	1,321	1.7%	72,100	0.7%	624	1.9%
2010	47.1	0.6%	18.5	1.1%	24.3	0.8%	4,25	0.0%	1,738	2.4%	1,346	1.9%	72,687	0.8%	633	1.4%
2011	47.4	0.6%	18.7	1.1%	24.5	0.9%	4.24	-0.1%	1,779	2.4%	1,371	1.9%	73,255	0.8%	641	1.2%
2012	47.8	0.6%	18.9	1.1%	24.8	1.1%	4.24	-0.1%	1,819	2.2%	1,397	1.9%	73,813	0.8%	648	1.1%
2013	48.1	0.6%	19.1	1.1%	25.0	0.9%	4.23	-0.2%	1,854	1.9%	1,422	1.8%	74,371	0.8%	656	1.2%
2014	48.3	0.6%	19.3	1.0%	25.2	0.8%	4.22	-0.3%	1,888	1.8%	1,450	2.0%	75,072	0.9%	665	1.4%
2015	48.6	0.6%	19.5	1.0%	25.3	0.7%	4.21	-0.3%	1,920	1.7%	1,478	1.9%	75,785	0.9%	673	1.3%
2016	48.9	0.6%	19.7	0.9%	25.4	0.3%	4.19	-0.5%	1,950	1.6%	1,506	1.9%	76,533	1.0%	681	1.2%
2017	49.2	0.6%	19.8	0.8%	25.5	0.2%	4.16	-0.6%	1,984	1.7%	1,534	1.8%	77,284	1.0%	689	1,2%
2018	49.5	0.6%	20.0	0.8%	25.5	0.2%	4.13	-0.7%	2,012	1.4%	1,562	1.8%	78,062	1.0%	697	1.1%
2019	49.8	0.6%	20.2	0.8%	25.6	0.2%	4.10	-0.8%	2,035	1.1%	1,590	1.8%	78,859	1.0%	705	1.2%
2020	50.1	0.6%	20.3	0.8%	25.6	0.2%	4.06	-0.9%	2,057	1.1%	1,619	1.8%	79,705	1.1%	713	1.1%
2021	50.4	0.6%	20.5	0.7%	25.6	0.1%	4.03	-1.0%	2,077	1.0%	1,650	1.9%	80,599	1.1%	722	1.2%
2022	50.7	0.6%	20.6	0.7%	25.6	-0.1%	3.98	-1.0%	2,100	1.1%	1,680	1.9%	81,556	1.2%	730	1.1%
2023	51.0	0.6%	20.7	0.6%	25.6	0.0%	3.94	-1.0%	2,126	1.2%	1,711	1.9%	82,574	1.2%	738	1.2%
2024	51.3	0.6%	20.8	0.6%	25.6	0.1%	3.90	-1.1%	2,149	1.1%	1,743	1.9%	83,640	1.3%	747	1.2%
2025	51.5	0.6%	20.9	0.5%	25.6	0.0%	3.86	-1.1%	2,173	1.1%	1,775	1.8%	84,739	1.3%	755	1.1%
Average Perce	ent Change	İ				į								ļ		
1995-2005		0.7%		0.9%		1.1%		-1.2%		4.0%	,	2.4%		1.5%		4.9%
2006-2015		0.6%		1.0%		1.0%		0.0%		2.3%		1.9%		0.8%		1.5%
2016-2025		0.6%		0.7%		0.1%		-0.9%		1.2%		1.8%		1.1%		1.1%

Table D - 9
Historical and Projected Economic Trends of the Big Stone II Member Counties
(Source: Economy.com)

City of Mountain Lake (Cottonwood County)

Mid-range Economic Case	Populatio	n (Ths.)	Household	ds (Ths.)	Nonfa Employme		Manufac Employme		Gross Do Product (\$		Personal (\$M; \$1	1996)	Personal In Household		Retail Sa \$199	96)
	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	<u>Value</u>	% Chq	<u>Value</u>	% Chg	<u>Value</u>	% Chg	Value	% Chg
1992	12.6	-	5.0	-	4.8	-	0.75	-	227	-	237	-	47,211	-	68	-
1993	12.6	0.1%	5.0	0.3%	5.1	6.9%	1.01	35.4%	1	3.3%	202	-15.0%	40,000	-15.3%	79	15.1%
1994	12.6	0.1%	5.1	0.2%	4.8	-5.1%	1.05	4.3%		0.3%	253	25.5%	50,076	25.2%	91	15.4%
1995	12.6	-0.3%	5.0	-0.2%	4.7	-3.1%	0.75	-28.5%		-1.4%	233	-8.0%	46,159	-7.8%	94	3.2%
1996	12.5	-0.7%	5.0	-0.6%	4.7	1.4%	0.69	-8.5%		7.2%	264	13.4%	52,638	14.0%	102	8.6%
1997	12.4	-1.0%	5.0	-0.8%	4.9	2.9%	0.75	9.5%	l .	11.6%	262	-1.0%	52,567	-0.1%	109	6.8%
1998	12.3	-0.5%	5.0	-0.4%	4.4	-9.5%	0.65	-14.3%		-8.7%	271	3.4%	54,606	3.9%	118	8.6%
1999	12.3	-0.3%	4.9	-0.2%	4.6	3.5%	0.80	23.2%	254	0.1%	257	-5.0%	51,955	-4.9%	120	1.9%
2000	12.1	-0.9%	4.9	-0.8%	4.6	0.4%	0.71	-10.6%	260	2.4%	257	0.0%	52,390	0.8%	117	-2.6%
2001	12.1	-0.7%	4.9	-0.6%	4.8	4.6%	0.93	30.6%		6.7%	250	-2.8%	51,229	-2.2%	118	1.2%
2002	12.0	-0.4%	4.9	-0.3%	4.8	0.6%	0.86	-7.9%	i	4.6%	253	1.3%	52,036	1.6%	118	-0.4%
2003	11.9	-0.5%	4.8	-0.4%	5.1	5.8%	1.37	59.3%	336	15.4%	266	5.2% 3.8%	55,000	5.7%	67	-43.4% -59.3%
2004	12.0	0.0%	4.8	0.1%	5.1	0.2%	1.40	2.6% 0.2%	339	0.9% 4.9%	276 278	0.6%	57,042	3.7% 1.5%	27 22	-39.3% -17.2%
2005	11.8	-1.0%	4.8	-0.9%	5.1 5.2	0.3% 1.6%	1.40	1.3%	356 364	2.3%	278 283	2.0%	57,916 59,192	2.2%	22	4.4%
2006	11.8	-0.5%	4.8	-0.2% -0.1%	5.2 5.3	0.6%	1.42 1.42	-0.4%	2	2.3%	283 286	0.9%	59,192	0.9%	23 24	0.7%
2007 2008	11.7 11.7	-0.4% -0.5%	4.8 4.8	-0.1%	5.3	0.0%	1.42	-0.4% -1.1%	1	3.0%	289	0.9%	60.387	1.1%	24	0.7%
2008	11.7	-0.5%	4.8 4.8	-0.1%	5.3	0.0%	1.40	-0.7%	394	2.7%	209	0.5%	60,901	0.9%	24	0.8%
		-0.5%	4.8	-0.1%	5.3	-0.4%	1.39	-1.1%	402	2.7%	291	1.3%	61,774	1.4%	24	0.8%
2010	11.6	-0.5%		-0.1%	5.2 5.2	-0.4%	1.36	-1.1%		2.2%	294 298	1.3%		1.4%	24	0.6%
2011	11.5	-0.5%	4.8	-0.1%	5.2 5.2	-0.2% -0.1%	1.35	-1.1%		2.1%	303	1.7%	63,731	1.4%	24 25	0.6%
2012 2013	11.4 11.4	-0.5% -0.5%	4.8 4.8	0.1%	5.2 5.2	-0.1%	1.33	-1.1% -1.2%	419	1.7%	303	1.7%	64,921	1.7%	25 25	1.2%
2013	11.4	-0.5%	4.6	-0.1%	5.2	-0.1%	1.33	-1.2%		1.5%	313	1.5%		1.6%	25 25	0.9%
2015	11.3	-0.5%	4.7	-0.1%	5.2	-0.4%	1.32	-1.2%	ł .	1.4%	317	1.3%		1.5%	25	0.7%
2016	11.2	-0.4%	4.7	-0.1%	5.2	-0.7%	1.28	-1.5%	444	1.2%	322	1.4%	67,934	1.5%	26	0.7%
2017	11.2	-0.4%	4.7	-0.1%	5.1	-0.8%	1.26	-1.5%		1.4%	326	1.4%	68,956	1.5%	26	0.7%
2018	11.2	-0.4%	4.7	-0.2%	5.1	-0.7%	1.24	-1.5%		1.1%	331	1.4%	70,047	1.6%	26	0.7%
2019	11.1	-0.4%	4.7	-0.2%	5.0	-0.7%	1.22	-1.6%	459	0.8%	336	1.5%		1.6%	26	0.8%
2020	11.1	-0.4%	4.7	-0.2%	5.0	-0.8%	1.20	-1.7%		0.7%	341	1.5%		1.7%	26	0.8%
2021	11.0	-0.3%	4.7	-0.2%	5.0	-0.9%	1.18	-1.8%		0.6%	346	1.6%	73.735	1.8%	27	0.9%
2022	11.0	-0.3%	4.7	-0.3%	4.9	-1.0%	1.16	-1.9%	468	0.7%	352	1.6%	75,107	1.9%	27	0.9%
2023	11.0	-0.3%	4.7	-0.3%	4.9	-0.9%	1.14	-1.8%		0.7%	357	1.6%	76,528	1.9%	27	0.9%
2024	10.9	-0.3%	4.7	-0.3%	4.8	-0.8%	1.11	-1.8%		0.6%	363	1.5%	77,973	1.9%	27	0.8%
2025	10.9	-0.3%	4.6	-0.4%	4.8	-0.9%	1.09	-1.9%	477	0.6%	368	1,6%	79,461	1.9%	27	0.8%
Average Perce													-,,	/8		
1995-2005		-0.6%		-0.5%		0.9%		6.4%		4.3%		1.8%		2.3%		-13.3%
2006-2015		-0.5%		-0.1%		-0.1%		-1,0%	1	2.1%		1.3%	1	1.4%		0.9%
2016-2025		-0.4%		-0.2%		-0.8%		-1.7%		0.8%		1.5%		1.8%		0.8% 0.8%

Table D - 10

Historical and Projected Economic Trends of the Big Stone II Member Counties
(Source: Economy.com)

City of Sleepy Eye (Brown County)

Mid-range					Nonf		Manufa	_	Gross D		Personal		Personal in		Retail Sa	
Economic Case	Populatio		Househol		Employme				Product (\$		(\$M; <u>\$</u>		Household	4.	\$19	
	Value	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg								
1992	27.1	-	10.4	-	12.6	-	3.71	-	671	-	554	-	53,104	-	203	-
1993	27.2	0.5%	10.5	0.8%	12.9	2.6%	3.90	5.2%	659	-1.7%	514	-7.1%	48,908	-7.9%	217	7.1%
1994	27.2	-0.3%	10.5	0.0%	12.9	-0.2%	3.95	1.4%	669	1.5%	565	9.9%	53,727	9.9%	230	5.9%
1995	27.1	-0.1%	10.5	0.2%	13.2	2.4%	3.93	-0.5%	694	3.7%	565	-0.1%	53,596	-0.2%	236	2.3%
1996	27.4	0.8%	10.7	1.1%	13.8	5.1%	4.12	4.8%	749	7.9%	613	8.5%	57,513	7.3%	245	4.0%
1997	27.3	-0.3%	10.7	0.0%	13.9	0.6%	4.12	0.1%	819	9.4%	596	-2.7%	55,979	-2.7%	250	1.8%
1998	27.1	-0.6%	10.6	-0.4%	13.8	-0.8%	3.89	-5.7%	846	3.2%	620	3.9%	58,374	4.3%	. 251	0.6%
1999	27.0	-0.2%	10.6	0.0%	13.8	0.1%	3.79	-2.5%	860	1.7%	617	-0.4%	58,116	-0.4%	265	5.6%
2000	26.9	-0.6%	10.6	-0.3%	14.1	2.0%	3.98	5.0%	893	3.9%	626	1.5%	59,194	1.9%	262	-1.2%
2001	26.9	0.3%	10.6	0.3%	14.0	-0.6%	3.82	-4.1%	888	-0.6%	629	0.4%		0.1%	290	10.6%
2002	26.9	-0.2%	10.6	-0.1%	13.8	-1.5%	3.51	-8.2%	908	2.2%	630	0.2%	59,422	0.3%	298	2.8%
2003	26.7	-0.6%	10.6	-0.5%	13.6	-1.5%	3.39	-3.3%	942	3.7%	641	1.7%	60,762	2.3%	294	-1.3%
2004	26.7	-0.3%	10.5	-0.3%	14.4	5.9%	3.57	5.4%	1,027	9.1%	655	2.2%	62,259	2.5%	312	5.9%
2005	26.5	-0.4%	10.5	-0.4%	14.5	0.8%	3.60	0.6%	1,049	2.2%	664	1.3%	63,304	1.7%	301	-3.3%
2006	26.5	-0.1%	10.5	0.2%	14.8	2.0%	3.65	1.6%	1,079	2.8%	675	1.8%	64,305	1.6%	314	4.2%
2007	26.5	-0.1%	10.5	0.2%	14.9	0.9%	3.64	-0.2%	1,108	2.6%	683	1.1%	64,897	0.9%	317	0.9%
2008	26.4	-0.2%	10.5	0.2%	15,0	0.3%	3.62	-0.8%	1,144	3.3%	693	1.5%	65,721	1.3%	321	1.5%
2009	26.4	-0.2%	10.6	0.2%	15.0	0.4%	3.60	-0.4%	1,179	3.0%	701	1.2%	66,397	1.0%	326	1.3%
2010	26.3	-0.2%	10.6	0.2%	15.0	0.0%	3.57	-0.9%	1,209	2.5%	711	1.4%	67,173	1.2%	329	0.9%
2011	26.3	-0.2%	10.6	0.2%	15.0	0.1%	3,54	-0.9%	1,238	2.4%	720	1.2%	67,846	1.0%	331	0.6%
2012	26.2	-0.2%	10.6	0.2%	15.1	0.2%	3.51	-0.9%	1,266	2.2%	729	1.3%	68,568	1.1%	332	0.5%
2013	26.2	-0.2%	10.6	0.2%	15.1	0.1%	3.47	-1.0%	1,290	1.9%	739	1.5%	69,424	1.2%	335	0.8%
2014	26.1	-0.2%	10.7	0.2%	15.1	0.0%	3.44	-1.0%	1,314	1.8%	750	1.4%	70,289	1.2%	338	0.9%
2015	26.1	-0.2%	10.7	0.2%	15.1	-0.1%	3.40	-1.1%	1,336	1.7%	760	1.4%	71,142	1.2%	340	0.7%
2016	26.0	-0.2%	10.7	0.1%	15.0	-0.5%	3.36	-1.3%	1,357	1.6%	. 771	1.4%	72,036	1.3%	343	0.6%
2017	26.0	-0.2%	10.7	0.1%	14.9	-0.6%	3.31	-1.4%	1,380	1.7%	781	1.3%	72,946	1.3%	345	0.7%
2018	25.9	-0.2%	10.7	0.0%	14.8	-0.5%	3.26	-1.4%	1,399	1.4%	791	1.4%	73,907	1.3%	347	0.7%
2019	25.9	-0.2%	10.7	0.1%	14.8	-0.5%	3,21	-1.5%	1,414	1.0%	802	1.4%	74,890	1.3%	350	0.8%
2020	25.8	-0.1%	10.7	0.0%	14.7	-0.6%	3.16	-1.6%	1,427	1.0%	814	1.4%	75,924	1.4%	352	0.7%
2021	25.8	-0.1%	10.7	0.0%	14.6	-0.6%	3.11	-1.7%	1,439	0.8%	825	1.4%	77,006	1.4%	355	0.7%
2022	25.8	-0.1%	10.7	-0.1%	14.5	-0.8%	3.05	-1.7%	1,453	1.0%	837	1.4%	78,159	1.5%	357	0.7%
2023	25.7	-0.1%	10.7	-0.1%	14.4	-0.7%	3.00	-1.7%	1,468	1.0%	849	1.4%	79,377	1.6%	360	0.8%
2024	25.7	-0.1%	10.7	-0.1%	14.3	-0.7%	2.95	-1.8%	1,481	0.8%	862	1.4%	80,634	1.6%	363	0.7%
2025	25.7	-0.1%	10.7	-0.2%	14.2	-0.7%	2.90	-1.8%	1,493	0.8%	874	1.4%	81,929	1.6%	365	0.7%
Average Perce	nt Change			j												
1995-2005		-0.2%		0.0%		1.0%		-0.9%		4.2%		1.6%		1.7%		2.5%
2006-2015		-0.2%		0.2%		0.2%		-0.8%		2.4%		1.3%		1.1%		0.9%
2016-2025		-0.1%		0.0%		-0.6%		-1.6%		1.1%		1.4%		1.4%		0.5%

Table D - 11

Historical and Projected Economic Trends of the Big Stone II Member Counties
(Source: Economy.com)

City of Springfield (Brown County)

Mid-range Economic Case	Populatio	on (Ths.)	Househol	ds (Ths.)	Nonf Employme		Manufac Employme		Gross Do Product (\$		Personal (\$M; \$		Personal In Household		Retail Sa \$199	96)
	<u>Value</u>	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg	Value	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg	<u>Value</u>	% Chg	Value	% Chg
1992	27.1	-	10.4	-	12.6	-	3.71	-	671	-	554	-	53,104	-	203	-
1993	27.2	0.5%	10.5	0.8%	12.9	2.6%	3.90	5.2%	659	-1.7%	514	-7,1%	48,908	-7.9%	217	7.1%
1994	27.2	-0.3%	10.5	0.0%	12.9	-0.2%	3.95	1.4%	669	1.5%	565	9.9%	53,727	9.9%	230	5.9%
1995	27.1	-0.1%	10.5	0.2%	13.2	2.4%	3.93	-0.5%	694	3.7%	565	-0.1%	53,596	-0.2%	236	2.3%
1996	27.4	0.8%	10.7	1.1%	13.8	5.1%	4.12	4.8%	749	7.9%	613	8.5%	57,513	7.3%	245	4.0%
1997	27.3	-0.3%	10.7	0.0%	13.9	0.6%	4.12	0.1%	819	9.4%	596	-2.7%		-2.7%	250	1.8%
1998	27.1	-0.6%	10.6	-0.4%	13.8	-0.8%	3.89	-5.7%	846	3.2%	620	3.9%	58,374	4.3%	251	0.6%
1999	27.0	-0.2%	10.6	0.0%	13.8	0.1%	3.79	-2.5%	860	1.7%	617	-0.4%	58,116	-0.4%	265	5.6%
2000	26.9	-0.6%	10,6	-0.3%	14.1	2.0%	3.98	5.0%	893	3.9%	626	1.5%	59,194	1.9%	262	-1.2%
2001	26.9	0.3%	10.6	0.3%	14.0	-0.6%	3.82	-4.1%	888	-0.6%	629	0.4%	59,224	0.1%	290	10.6%
2002	26.9	-0.2%	10.6	-0.1%	13.8	-1.5%	3.51	-8.2%	908	2.2%	630	0.2%	59,422	0.3%	298	2.8%
2003	26.7	-0.6%	10.6	-0.5%	13.6	-1.5%	3.39	-3.3%	942	3.7%	641	1.7%		2.3%	294	-1.3%
2004	26.7	-0.3%	10.5	-0.3%	14.4	5.9%	3.57	5.4%	1,027	9.1%	655	2.2%		2.5%	312	5.9%
2005	26.5	-0.4%	10.5	-0.4%	14.5	0.8%	3.60	0.6%	1,049	2.2%	664	1.3%		1.7%	301	-3.3%
2006	26.5	-0.1%	10.5	0.2%	14.8	2.0%	3.65	1.6%	1,079	2.8%	675	1.8%	64,305	1.6%	314	4.2%
2007	26.5	-0.1%	10.5	0,2%	14.9	0.9%	3.64	-0.2%	1,108	2.6%	683	1.1%	64,897	0.9%	317	0.9%
2008	26.4	-0.2%	10.5	0.2%	15.0	0.3%	3.62	-0.8%	1,144	3.3%	693	1.5%	65,721	1.3%	321	1.5%
2009	26.4	-0.2%	10.6	0.2%	15.0	0.4%	3.60	-0.4%	1,179	3.0%	701	1.2%		1.0%	326	1.3%
2010	26.3	-0.2%	10.6	0.2%	15.0	0.0%	3.57	-0.9%	1,209	2.5%	711	1.4%		1.2%	- 329	0.9%
2011	26.3	-0.2%	10.6	0.2%	15.0	0.1%	3.54	-0.9%	1,238	2.4%	720	1.2%	67,846	1.0%	331	0.6%
2012	26.2	-0.2%	10.6	0.2%	15.1	0.2%	3.51	-0.9%	1,266	2.2%	729	1.3%	68,568	1.1%	332	0.5%
2013	26.2	-0.2%	10.6	0.2%	15.1	0.1%	3.47	-1.0%	1,290	1.9%	739	1.5%	69,424	1.2%	335	0.8%
2014	26.1	-0.2%	10,7	0.2%	15.1	0.0%	3.44	-1.0%	1,314	1.8%	750	1.4%	70,289	1.2%	338	0.9%
2015	26.1	-0.2%	10.7	0.2%	15.1	-0.1%	3.40	-1.1%	1,336	1.7%	760	1.4%	71,142	1.2%	340	0.7%
2016	26.0	-0.2%	10.7	0.1%	15.0	-0.5%	3.36	-1.3%	1,357	1.6%	771	1.4%	72,036	1.3%	343	0.6%
2017	26.0	-0.2%	10.7	0.1%	14.9	-0.6%	3.31	-1.4%	1,380	1.7%	781	1.3%	72,946	1.3%	345	0.7%
2018	25.9	-0.2%	10.7	0.0%	14.8	-0.5%	3.26	-1.4%	1,399	1.4%	791	1.4%		1.3%	347	0.7%
2019	25.9	-0.2%	10.7	0.1%	14.8	-0.5%	3.21	-1.5%	1,414	1.0%	802	1.4%	74,890	1.3%	350	0.8%
2020	25.8	-0.1%	10.7	0.0%	14.7	-0.6%	3.16	-1.6%	1,427	1.0%	814	1.4%		1.4%	• 352	0.7%
2021	25.8	-0.1%	10.7	0.0%	14.6	-0.6%	3.11	-1.7%	1,439	0.8%	825	1.4%	77,006	1.4%	355	0.7%
2022	25.8	-0.1%	10.7	-0.1%	14.5	-0.8%	3.05	-1.7%	1,453	1.0%	837	1.4%		1.5%	357	0.7%
2023	25,7	-0.1%	10.7	-0.1%	14.4	-0.7%	3.00	-1.7%	1,468	1.0%	849	1.4%		1.6%	360	0.8%
2024	25.7	-0.1%	10.7	-0.1%	14.3	-0.7%	2.95	-1.8%	1,481	0.8%	862	1.4%	80,634	1.6%	363	0.7%
2025	25.7	-0.1%	10.7	-0.2%	14.2	-0.7%	2.90	-1.8%	1,493	0.8%	874	1.4%	81,929	1.6%	365	0.7%
Average Perce	ent Change													1		
1995-2005		-0.2%		0.0%		1.0%		-0.9%		4.2%		1.6%		1.7%		2.5%
2006-2015		-0.2%		0.2%		0.2%		-0.8%		2.4%		1.3%		1.1%		0.9%
2016-2025		-0.1%		0.0%		-0.6%		-1.6%		1.1%		1.4%		1.4%		0.7%

Table D - 12

Historical and Projected Economic Trends of the Big Stone II Member Counties (Source: Economy.com)

City of Willmar (Kandiyohi County)

Economic Case					Nonfarm	mı	Manufacturing	turing	Gross Domestic	mestic	Persona	Personal Income	Personal Income per	come ner	Retail Sales (SM	S (SM:
	Population (Ths.)	n (Ths.)	Households (Ths.)	ds (Ths.)	Employment (Ths.)	nt (Ths.)	Employment (Ths.)		Product (\$M; \$1996)	1; \$1996)	(\$M;	(\$M; \$1996)	Household (\$1996)	(\$1996)	\$1996)	6)
	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1992	39.7	,	14.8	,	17.7	,	2.70	,	901	,	773	•	52,307	,	354	•
1993	40.2	1.4%	15.1	1.8%	18.4	3.6%	2,94	9.0%	925	2.6%	748	-3.3%	49,674	-5.0%	379	7.1%
1994	40.7	1.1%	15,3	1.6%	18.6	1.1%	2.99	1.7%	696	4.8%	825	10.2%	53,906	8.5%	416	9.7%
1995	41.0	0.9%	15.5	1.4%	19.3	3.9%	3.22	7.7%	1,011	4.3%	840	1.9%	54,183	0.5%	423	1.6%
1996	41,4	%6.0	15.7	1.3%	20.2	4.8%	3.29	2.0%	1,087	7.6%	917	9.5%	58,374	7.7%	454	7.4%
1997	41,4	-0.1%	15.8	0.4%	20.5	1.2%	3.35	1.8%	1,185	9.0%	922	0.4%	58,414	0.1%	468	3.5%
1998	41.3	-0.5%	15.8	0.3%	20.6	0.8%	3.36	0.3%	1,231	3.8%	982	6.5%	62,046	6.2%	457	-2.3%
1999	41.3	0.1%	15.9	0.5%	20.5	-0.4%	3,33	-0.8%	1,229	-0.5%	666	1.8%	62,817	1.2%	. 487	6.4%
2000	41.2	-0.4%	15.9	0.1%	20.9	1.8%	3.14	-5.6%	1,256	2.2%	1,004	0.5%	63,050	0.4%	486	-0.1%
2001	41.1	%0.0	15.9	0.0%	21.0	0.5%	3.06	-2.7%	1,254	-0.2%	1,003	-0.1%	62,980	-0.1%	515	2.9%
2002	40.9	-0.7%	15.8	-0.6%	21.1	0.6%	2.98	-2.5%	1,307	4.2%	1,015	1.2%	64,164	1.9%	508	-1.4%
2003	41.1	0.7%	15.9	0.8%	21.3	0.7%	3.07	2.8%	1,330	1.8%	1,022	0.7%	64,085	-0.1%	522	2.9%
2004	41.2	0.1%	16.0	0.1%	22.6	6.0%	3.17	3.5%	1,407	5.8%	1,054	3.1%	65,986	3.0%	570	9.5%
2005	41.2	0.1%	16.0	0.1%	22,8	1.3%	3.21	1.2%	1,473	4.6%	1,080	2.5%	67,534	2.3%	269	-0.5%
2006	41.4	0.4%	16.1	0.7%	23.4	2.5%	3.28	2.1%	1,515	2.9%	1,111	2.9%	69,031	2.5%	299	5.3%
2007	41.5	0.3%	16.2	0.7%	23.7	1.3%	3.28	0.1%	1,552	2.4%	1,136	2.2%	70,105	1.6%	612	2.1%
2008	41.6	0.3%	16.3	%9.0	23.9	0.7%	3.27	-0.5%	1,599	3.0%	1,162	2.3%		1.7%	626	2.3%
2009	41.7	0.5%	16.4	%9.0	24.1	0.8%	3.26	-0.1%	1,641	2.7%	1,184	1.9%		1.3%	638	2.0%
2010	41.8	0.5%	16.5	%9.0	24.2	0.3%	3.24	-0.6%	1,675	2.1%	1,205	1.8%	73,078	1.2%	647	1.4%
2011	41.8	0.1%	16.6	0.5%	24.3	0.4%	3.22	-0.7%	1,708	2.0%	1,226	1.8%	73,964	1.2%	654	1.1%
2012	41.9	0.1%	16.7	0.5%	24.4	0.5%	3.20	-0.7%	1,738	1.8%	1,249	1.8%	74,934	1.3%	661	1.1%
2013	41.9	0.1%	16.8	0.5%	24.5	0.4%	3.17	-0.9%	1,765	1.5%	1,273	1.9%	75,961	1.4%	670	1.3%
2014	41.9	0.1%	16.8	0.5%	24.5	0.3%	3.14	-0.8%	1,791	1.4%	1,300	2.1%	77,189	1.6%	989	1.5%
2015	42.0	0.1%	16.9	0.5%	24.6	0.1%	3.11	-0.9%	1,815	1.4%	1,326	2.0%	78,404	1.6%	069	1.4%
2016	45.0	0.1%	17.0	0.4%	24.5	-0.2%	3.08	-1.0%	1,838	1.3%	1,353	2.0%	79,650	1.6%	698	1.3%
2017	42.1	0.1%	17.1	0.4%	24.4	-0,3%	3.05	-1.1%	1,865	1.5%	1,379	2.0%	968'08	1.6%	708	1.3%
2018	42.2	0.5%	17.1	0.4%	24.4	-0.2%	3.01	-1.1%	1,888	1.2%	1,407	2.0%	82,179	1.6%	717	1.3%
2019	42.2	0.2%	17.2	0.4%	24.3	-0.2%	2.97	-1.3%	1,904	0.9%	1,435	2.0%	83,482	1.6%	726	1.3%
2020	42.3	0.5%	17.2	0.3%	24.3	-0.3%	2.93	-1.4%	1,920	0.8%	1,463	2.0%	84,850	1.6%	736	1.3%
2021	42.4	0.5%	17.3	0.3%	24.2	-0.3%	2.89	-1.5%	1,934	0.7%	1,493	2.0%	86,293	1.7%	745	1.3%
2022	42.4	0.5%	17.3	0.2%	24.1	-0.5%	2.85	-1.5%	1,951	0.9%	1,523	2.0%	87,830	1.8%	755	1.3%
2023	42.5	0.1%	17.4	0.2%	24.0	-0.4%	2.80	-1.5%	1,969	1.0%	1,554	2.0%	89,451	1.8%	765	1.3%
2024	45.6	0.1%	17.4	0.1%	23.9	-0.4%	2.76	-1.6%	1,985	0.8%	1,585	2.0%	91,140	1.9%	775	1.3%
2025	42.6	0.1%	17.4	0.1%	23.8	-0.4%	2.71	-1.6%	2,001	0.8%	1,616	2.0%	92,875	1.9%	785	1.3%
Average Percent Change	t Change	•														
1995-2005		%0.0		0.3%		1.7%		0.0%		3.8%		2.5%		2.2%		3.0%
2006-2015		0.5%		%9.0		0.5%		~9.0-		2.0%		2.0%		1.4%		1.6%
2016-2025		0.5%		0.3%		-0.3%		-1.4%		. 0.9%		2.0%		1.7%		1.3%

Table D - 13

Historical and Projected Economic Trends of the Big Stone II Member Counties

(Source: Economy.com)

City of Windom (Cottonwood County)

Mid-range Economic Case	Population (Ths.)	Ths.)	Household	holds (Ths.)	Nonfarm Employment (Ths.)	nt (Ths.)	Manufacturing Employment (The	sturing int (Ths.)	Manufacturing Gross Domestic Employment (Ths.) Product (\$M; \$1996)	mestic A; \$1996)	Personal Income (\$M; \$1996)	Income 996)	Personal Income per Household (\$1996)	(\$1996)	Retail Sales (\$M; \$1996)	es (\$M; 6)
	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Cha	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1992	12.6	,	5.0	,	4.8	,	0.75	•	227	,	237	,	47,211	1	99	,
1993	12.6	0.1%	5.0	0.3%	5.1	6.9%	1.01	35.4%	235	3.3%	202	-15.0%	40,000	-15.3%	79	15.1%
1994	12.6	0.1%	5.1	0.5%	4.8	-5.1%	1.05	4.3%	235	0.3%	253	25.5%	50,076	25.2%	91	15.4%
1995	12.6	-0.3%	5.0	-0.5%	4.7	-3.1%	0.75	-28.5%	232	-1.4%	233	-8.0%	46,159	-7.8%	94	3.2%
1996	12.5	-0.7%	5.0	-0.6%	4.7	1.4%	0.69	-8.5%	249	7.2%	264	13.4%	52,638	14.0%	102	8.6%
1997	12.4	-1.0%	5.0	-0.8%	4.9	2.9%	0.75	9.5%	278	11.6%	262	-1.0%	52,567	-0.1%	109	6.8%
1998	12.3	-0.5%	5.0	-0.4%	4.4	-9.5%	0.65	-14.3%	254	-8.7%	271	3.4%	54,606	3.9%	118	8.6%
1999	12.3	-0.3%	4.9	-0.2%	4.6	3.5%	0.80	23.2%	254	0.1%	257	-5.0%	51,955	-4.9%	120	1.9%
2000	12.1	-0.9%	4,9	-0.8%	4.6	0.4%	0.71	-10.6%	260	2.4%	257	0.0%	52,390	0.8%	117	-2.6%
2001	12.1	-0.7%	4.9	~0.6%	4.8	4.6%	0.93	30.6%	278	6.7%	250	-2.8%	51,229	-2.2%	118	1.2%
2002	12.0	-0.4%	4.9	-0.3%	4.8	%9.0	0.86	-7.9%	291	4.6%	253	1.3%		1.6%	118	-0.4%
2003	11.9	-0.5%	4.8	-0.4%	5.1	2.8%	1.37	59.3%	336	15.4%	566	5.2%	55,000	2.7%	49	-43.4%
2004	12.0	0.0%	4.8	0.1%	5.1	0.5%	1.40	2.6%	339	0.9%	276	3.8%		3.7%	27	-59.3%
2002	11.8	-1.0%	4.8	-0.9%	5.1	0.3%	1,40	0.5%	356	4.9%	278	%9.0		1.5%	22	-17.2%
2006	11.8	-0.5%	4.8	-0.2%	5.2	1.6%	1.42	1.3%	364	2.3%	283	2.0%		2.2%	23	4.4%
2007	11.7	-0.4%	4.8	-0.1%	5.3	%9.0	1.42	-0.4%	372	2.4%	286	0.9%	59,753	%6'0	24	0.7%
2008	11.7	-0.5%	4.8	-0.1%	5.3	0.0%	1,40	-1.1%	383	3.0%	289	0.9%	60,387	1.1%	24	0.9%
2009	11.6	-0.5%	4.8	-0.1%	5.3	0.1%	1.39	-0.7%	394	2.7%	291	0.7%	60,901	0.9%	24	0.8%
2010	11.6	-0.5%	4.8	-0.1%	5.2	-0.4%	1.38	-1.1%	402	2.5%	294	1.3%	61,774	1.4%	24	0.8%
2011	11.5	-0.5%	4.8	-0.1%	5.5	-0.2%	1.36	-1.1%	411	2.1%	298	1.3%	62,644	1.4%	24	0.6%
2012	11.4	-0.5%	4.8	-0.1%	5.5	-0.1%	1,35	-1.1%	419	2.0%	303	1.7%	63,731	1.7%	25	0.9%
2013	11.4	-0.5%	4.8	0.0%	5.5	-0.1%	1.33	-1.2%	426	1.7%	309	1.8%	64,921	1.9%	25	1.2%
2014	11.3	-0.5%	4.7	-0.1%	5.2	-0.3%	1.32	-1.2%	433	1.5%	313	1.5%	65,947	1.6%	25	0.9%
2015	11.3	-0.5%	4.7	-0.1%	5.2	-0.4%	1.30	-1.3%	439	1.4%	317	1.3%	906'99	1.5%	25	0.7%
2016	11.2	-0.4%	4.7	-0.1%	5.2	-0.7%	1.28	-1.5%	444	1.2%	322	1.4%	67,934	1.5%	56	0.7%
2017	11.2	-0.4%	4.7	-0.1%	5.1	-0.8%	1.26	-1.5%	450	1.4%	326	1.4%	68,956	1.5%	56	0.7%
2018	11.2	-0.4%	4.7	-0.2%	5.1	-0.7%	1.24	-1.5%	455	1.1%	331	1.4%	70,047	1.6%	56	0.7%
2019	11.1	-0.4%	4.7	-0.5%	2.0	-0.7%	1.22	-1.6%	459	0.8%	336	1.5%	71,197	1.6%	56	0.8%
2020	11.1	-0.4%	4.7	-0.5%	2.0	-0.8%	1.20	-1.7%	462	0.7%	341	1.5%	72,436	1.7%	26	0.8%
2021	11.0	-0.3%	4.7	-0.2%	5.0	%6.0-	1.18	-1.8%	465	0.6%	346	1.6%	73,735	1.8%	27	0.9%
2022	11.0	-0.3%	4.7	-0.3%	4.9	-1.0%	1.16	-1.9%	468	0.7%	352	1.6%	75,107	1.9%	27	0.9%
2023	11.0	-0.3%	4.7	-0.3%	4.9	-0.9%	1.14	-1.8%	471	0.7%	357	1.6%	76,528	1.9%	27	0.9%
2024	10.9	-0.3%		-0.3%	4.8	-0.8%	1.1	-1.8%	474	%9.0	363	1.5%	77,973	1.9%	27	0.8%
2025	10.9	-0.3%	4.6	-0.4%	4.8	-0.9%	1.09	-1.9%	477	0.6%	368	1.6%	79,461	1.9%	27	0.8%
Average Percent Change	int Change															
1995-2005		-0.6%		-0.5%		%6.0		6.4%		4.3%		1.8%		2.3%		-13.3%
2006-2015		-0.5%		-0.1%		-0.1%		-1.0%		2.1%		1.3%		1.4%		0.9%
2016-2025		-0.4%		-0.2%		-0.8%		-1.7%		0.8%		1.5%		1.8%		0 8%

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