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LISA D. NORDSTROM
Attorney II

June 20, 2008

Jean D. Jewell, Secretary
Idaho Public Utilities Commission
472 West Washington Street
P.O. Box 83720
Boise, Idaho 83720-0074

Re: Case No. IPC-E-06-24
2008 IRP Update

Dear Ms. Jewell:

Please find enclosed for filing an original and seven (7) copies of Idaho Power Company's 2008 Integrated Resource Plan ("IRP") Update filed pursuant to Order No. 30317. In that Order, the Commission approved Idaho Power's proposal to file its next full IRP in June 2009. To bridge the gap created by the shift in filing dates, this compliance filing updates the 2006 IRP that was accepted for filing in Case No. IPC-E-06-24.

I would appreciate it if you would return a stamped copy of this transmittal letter in the enclosed self-addressed, stamped envelope.

If you have any questions regarding this filing, please contact me at 388-5825.

Sincerely,

Lisa D. Nordstrom

Lisa D. Nordstrom
Attorney II

LDN:csb
Enclosures
cc: Ric Gale – w/encl.
Bart Kline – w/encl.
P&RS Files – w/encl.
Legal Files – w/encl.

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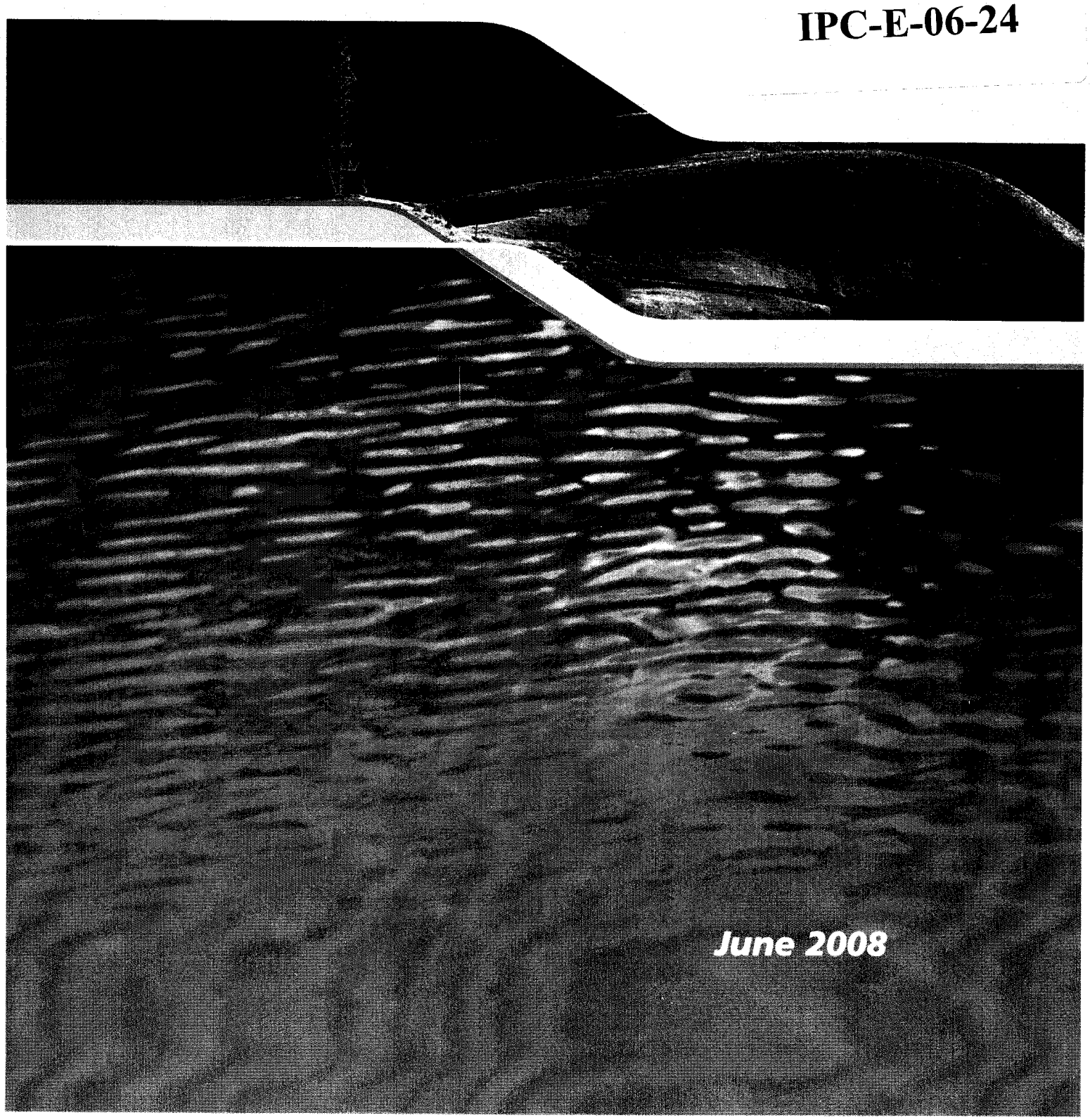
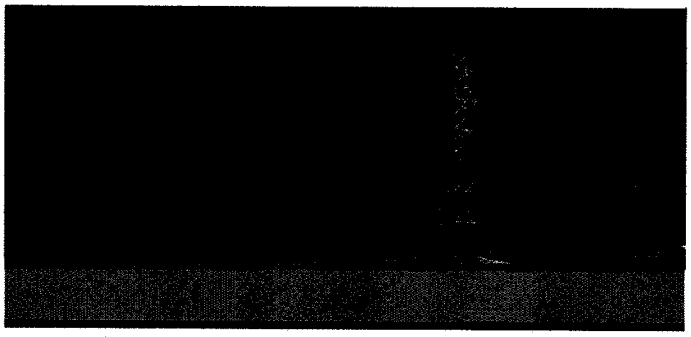
2008 Integrated Resource Plan UPDATE

IPC-E-06-24



June 2008

2008 Integrated Resource Plan
UPDATE



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Acknowledgement

Resource planning is a continuous process that Idaho Power Company constantly works to improve. Idaho Power values the knowledgeable input, comments, and discussion provided by the Integrated Resource Plan Advisory Council and the comments provided by other concerned citizens and customers. Idaho Power looks forward to continuing the resource planning process with its customers and other interested parties.

You can learn more about Idaho Power's resource planning process at www.idahopower.com.

Safe Harbor Statement

This document may contain forward-looking statements, and it is important to note that the future results could differ materially from those discussed. A full discussion of the factors that could cause future results to differ materially can be found in our filings with the Securities and Exchange Commission.

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TABLE OF CONTENTS

List of Tables iii
List of Figures iii
List of Appendices iv
Glossary of Terms v
1. Introduction 1
2. Idaho Power Company Today 3
Regulatory Issues 3
Idaho Proceedings 3
Oregon Proceedings 3
Idaho Energy Plan 3
Oregon Renewable Portfolio Standard 4
Fixed Cost Adjustment 4
Dispatchable Customer Generation 5
Wind Integration Study 5
FERC Relicensing Process 6
Renewable Energy Credits (Green Tags) 7
PURPA Contracts 7
Wholesale Contracts 8
3. Planning Period Forecasts 9
Sales and Load Forecast 9
Customer and Load Growth 9
Load Forecast 11
Average Load (Energy) 11
Peak-Hour Load 12
Hydroelectric Generation Forecast 14
Water Issues in Idaho 14
Flow Augmentation 14
Coal Price Forecast 14
Natural Gas Price Forecast 15
4. Demand-Side Management 17
Demand Side Resources 17
Program Performance 17

Residential Programs 17
Residential Results 18
Commercial and Industrial Programs 18
Commercial and Industrial Results 18
Irrigation Programs 18
Irrigation Results 19
DSM Future Performance 19
5. Supply-Side Resources 23
Evander Andrews Peaking Resource 23
Shoshone Falls Upgrade 23
Horizon Wind Energy Power Purchase Agreement 23
U.S. Geothermal Power Purchase Agreement 23
Wyoming Pulverized Coal Resource 24
2012 Baseload Resource RFP 25
2008 Combined Heat and Power RFP 25
6. Transmission Resources 27
Northern Tier Transmission Group 27
Transmission Project Status 27
Borah-West Upgrade 28
Hemingway-Boardman Project 28
Gateway West Project 28
7. Resource Portfolio and Action Plan Update 29
Average Energy Load and Resource Balance 29
Peak-Hour Load and Resource Balance 29
Planning Reserve Margin 32
Action Plan Update and Portfolio Comparison 32
8. Summary 35
2009 Integrated Resource Plan 35
Coordination with Other Idaho Electric Utilities 35

LIST OF TABLES

Table 1. Historical Data (1990-2007) 10
Table 2. Range of System Load Growth Forecasts (aMW) 2008 IRP Update 11
Table 3. Change in System Load Growth (aMW) 2008 IRP Update vs. 2006 IRP 12
Table 4. Range of System Peak Growth Forecasts (MW) 2008 IRP Update 13
Table 5. Change in System Peak Growth (MW) 2008 IRP Update 13
Table 6. Coal and Natural Gas Forecasts 16
Table 7. DSM Growth Forecast - 2008 IRP Update vs. 2006 IRP (aMW) 20
Table 8. DSM Peak-Hour Savings - 2008 IRP Update vs. 2006 IRP (MW) 21
Table 9 Capacity Planning Margin Summary 33
Table 10. Updated Near-Term Action Plan through 2010 34
Table 11. 2006 IRP Preferred Portfolio and Updated Portfolio 34

LIST OF FIGURES

Figure 1. Retail Customers 10
Figure 2. Forecasted Firm Load – 70th Percentile 12
Figure 3. Forecasted Firm Summer Peak – 95th Percentile 13
Figure 4. 2006 IRP Fuel Forecast 15
Figure 5. DSM Forecast Annual Savings 19
Figure 6. Levelized Price for Generating Resources vs. Carbon Adder 24
Figure 7. Monthly Average Energy Surplus/Deficits with Existing Resources (70th Percentile Water and 70th Percentile Average Load) 30
Figure 8. Monthly Average Energy Surplus/Deficits with Existing and IRP Resources (70th Percentile Water and 70th Percentile Average Load) 30
Figure 9. Monthly Peak-Hour Deficits with Existing Resources (90th Percentile Water and 95th Percentile Peak-Hour Load) 31
Figure 10 Monthly Peak-Hour Deficits with Existing and IRP Resources (90th Percentile Water and 95th Percentile Peak-Hour Load) 31

LIST OF APPENDICES

Appendix A. Sales and Load Forecast Data 37
Expected Case Sales and Load Forecast 39
Expected Case Average Forecast Annual Growth Rates (%) 39
Monthly Summary 40
Annual Summary 60
70th Percentile Sales and Load Forecast 63
70th Percentile Average Forecast Annual Growth Rates (%) 63
Monthly Summary 64
Annual Summary 84
Appendix B. Aurora CCCT Analysis Assumptions 87
Appendix C. Load and Resource Balance 91
Average Energy Load and Resource Balance 93
Peak-Hour Load and Resource Balance 103

GLOSSARY OF TERMS

A/C – Air Conditioning

aMW – Average Megawatt

CCCT – Combined-Cycle Combustion Turbine

CFL – Compact Fluorescent Light

CHP – Combined Heat and Power

CO_2 – Carbon Dioxide

CSPP – Cogeneration and Small Power Producers

DSM – Demand-Side Management

EA – Environmental Assessment

EEAG – Energy Efficiency Advisory Group

EIA – Energy Information Administration

FCA – Fixed Cost Adjustment

FERC – Federal Energy Regulatory Commission

FPA – Federal Power Act

HCC – Hells Canyon Complex

IDWR – Idaho Department of Water Resources

IGCC – Integrated Gasification Combined Cycle

INL – Idaho National Laboratory

Idaho PUC – Idaho Public Utilities Commission

IRP – Integrated Resource Plan

IRPAC – Integrated Resource Plan Advisory Council

kV – Kilovolt

kW – Kilowatt

kWh – Kilowatt Hour

MAF – Million Acre Feet

MMBtu – Million British Thermal Units

MSTI – Mountain States Transmission Intertie

MW – Megawatt

MWh – Megawatt Hour

NEPA – National Environmental Policy Act

NTTG – Northern Tier Transmission Group

NWPCC – Northwest Power and Conservation Council

Oregon PUC – Public Utility Commission of Oregon

PCA – Power Cost Adjustment

PM&E – Protection, Mitigation, and Enhancement

PURPA – Public Utility Regulatory Policies Act of 1978

REC – Renewable Energy Credit

RFP – Request for Proposals

RPS – Renewable Portfolio Standard

SO_2 – Sulfur Dioxide

WECC – Western Electricity Coordinating Council

WREGIS – Western Renewable Energy Generation Information System

1. INTRODUCTION

Idaho Power Company filed the 2006 Integrated Resource Plan (IRP) in the fall of 2006. The Idaho Public Utilities Commission (Idaho PUC) accepted the plan for filing in Order 30281 issued on March 26, 2007. In April 2007, Idaho Power requested a one-year delay in the filing of its next IRP until June 2009 to coordinate the filing with the Avista and PacifiCorp Integrated Resource Plans. The Idaho PUC accepted the one-year IRP filing delay in Order 30317 issued on May 23, 2007.

The Idaho PUC further noted in Order 30317 "Idaho Power also proposes to file an 'IRP update' in June 2008 to highlight the progression in its short-term action plan, changes in its load forecast, existing loads, customer base and purchased power contracts; and any significant deviations from its 2006 IRP." The Idaho PUC required Idaho Power to file the IRP update in June 2008 as part of Order 30317.

The Idaho PUC is not alone in requesting an IRP update. The Public Utility Commission of Oregon (Oregon PUC) specified that utilities file an IRP update within one year of the most recent IRP acknowledgement date as part of Order 07-002 issued in January 2007.

The resource plan update is expected to be an informational filing and the update requirements specified by the Oregon PUC are similar to the Idaho requirements. In Order 07-002, the Oregon PUC requires that utilities "describe what actions the utility has taken to implement the plan; provide an assessment of what has changed since the acknowledgment order that affects the action plan, including changes in such factors as load, expiration of resource contracts, supply-side and demand-side resource

2008 IRP Update Highlights

- Idaho Power expects to add 12,500 to 13,000 new customers annually over the next 20 years (Section 3).
- Idaho Power's average annual load is forecast to increase 30 aMW per year over the next 20 years (Section 3).
- Idaho Power's peak-hour demand is forecast to grow 70 MW per year over the next 20 years (Section 3).
- Recent demand-side management (DSM) program performance has exceeded expectations (Section 4).
- In September 2007, Idaho Power decided to no longer pur sue the development of a conventional coal resource in 2013 (Section 5).
- In October 2007, U.S. Geothermal begins delivering energy to Idaho Pow er from the Raft River Geothermal Project (Section 5).
- In November 2007, Horizon Wind Energy begins delivering ener gy to Idaho Power from the Elkhorn Valley Wind Project (Section 5).
- In April 2008, Idaho Power issued the 2012 Baseload R esource RFP (Section 5).
- As a member of the Northern Tier Transmission Group (NTTG), Idaho Power is in the initial phase of developing two "fast track" projects that were identified in the 2006 IRP (Section 6).

acquisitions, resource costs, and transmission availability; and justify any deviations from the acknowledged action plan."

Integrated resource planning is a dynamic process and during the time between resource plan filings, the public and regulatory oversight of the activities identified in the IRP allows for discussion and adjustment of the IRP as warranted. Idaho Power continues to analyze and evaluate the resource plan and make periodic adjustments and corrections to reflect changes in technology, economic conditions, anticipated resource development, and regulatory requirements.

This update outlines the changes to the 2006 IRP that have occurred since the plan was filed in the fall of 2006. Idaho Power intends to file a complete IRP in June 2009. The 2008 IRP Update is a summary of the resource plan changes that have occurred since the 2006 IRP and is limited in scope and analysis.

2. IDAHO POWER COMPANY TODAY

Regulatory Issues

Idaho Power operates in both Idaho and Oregon and the company's operations are regulated by the Idaho PUC and the Oregon PUC. Since filing the 2006 IRP, Idaho Power has been involved in a number of significant regulatory proceedings in each state jurisdiction.

Idaho Proceedings

- **IPC-E-07-03**
  Increase Wind Power Rate Eligibility Cap & Eliminate 90/110 Performance Band (wind integration issue, also includes IPC-E-05-22 Temporary Suspend PURPA Obligation Re Wind Power), Order No. 30488

- **IPC-E-07-15**
  Modify Methodology of Determining Fuel Costs to Establish Published Rates

- **IPC-E-07-18**
  Idaho Power – SO_2 Allowances Revenue Allocation, Order No. 30529

Oregon Proceedings

- **UM 1056**
  Investigation into whether the requirements for least-cost planning, first established in Order 89-507, should be revised, Order No. 07-002

- **SB838C**
  Oregon Renewable Energy Act

- **UM 1302**
  Investigation into the Treatment of CO_2 Risk in the IRP Process

- **UM 1066**
  Investigation into regulatory policies affecting new resource development

Idaho Energy Plan

In 2006, the Idaho Legislature directed an Interim Committee on Energy, Environment and Technology (the Committee) to develop a state energy plan that provides for the state's power generation needs and protects the health and safety of the citizens of Idaho. In January 2007, the Committee completed the Idaho Energy Plan and concluded that all of Idaho's energy systems have performed very well with electric and natural gas prices that remain some of the lowest in the country.

The Committee also recognized that Idaho's reliance on low cost coal plants may become a source of risk in the future due to the economic impact of potential federal regulation of carbon and mercury emissions. To address these concerns, the Committee recommended increasing investments in energy conservation and in-state renewable resources. In a resource priority policy statement, the Committee stated, "When acquiring resources, Idaho and Idaho utilities should give priority to: 1) Conservation, energy efficiency and demand response; and 2) Renewable resources; recognizing that these alone may not fulfill Idaho's growing energy requirements." The Committee further stated, "...energy suppliers must continue to have access to conventional energy resources to keep Idaho's energy costs as low as possible."

The Committee also expressed support for the "25x'25" vision which states: "By 2025, America's farms, forests and ranches will

provide 25% of the total energy consumed in the United States, while continuing to produce safe, abundant, and affordable food, feed and fiber." Additional information regarding the "25x'25" vision can be found at www.25x25.org.

Oregon Renewable Portfolio Standard

The State of Oregon's Renewable Portfolio Standard (RPS) requires utilities and electricity service suppliers serving Oregon load to include in their portfolio of power sold to retail customers a percentage of electricity generated from qualifying renewable energy sources. Oregon's RPS, like most states, is phased in over a number of years with final targets set for the year 2025. The Oregon RPS also includes a tiered system based on the amount of load a utility serves in Oregon. Larger utilities have higher RPS requirements and interim targets while smaller utilities have less rigorous requirements and no interim targets.

Under the Oregon RPS, Idaho Power is categorized as a "smaller utility" because the percentage of the company's retail electric sales in Oregon are between 1.5 and 3% of the total retail sales in the state (less than 5% of Idaho Power's total load is in Oregon). As a "smaller utility" Idaho Power is not subject to interim targets, however, by 2025 at least 10% of Idaho Power's retail sales in Oregon must come from qualifying renewable energy sources.

Fixed Cost Adjustment

On January 27, 2006, Idaho Power filed an application with the Idaho PUC requesting the authority to implement a Fixed Cost Adjustment (FCA) mechanism similar to the Power Cost Adjustment (PCA). The FCA is designed to adjust rates downward or upward to recover fixed costs independent of the volume of the company's energy sales. The filing was a continuation of a 2004 case that was opened to investigate the financial disincentives to investment in energy efficiency by Idaho Power.

Idaho Power and the Idaho PUC staff agreed in concept to a three-year pilot program beginning January 1, 2007, and a stipulation was filed on December 18, 2006. The stipulation called for the implementation of the FCA mechanism pilot program as proposed by the company in its original application with additional conditions and provisions related to customer count and weather normalization methodology, recording of the FCA deferral amount in reports to the Idaho PUC and detailed reporting of DSM activities. The Idaho PUC approved the stipulation on March 12, 2007. The pilot program retroactively began on January 1, 2007, and will run through 2009. The first rate adjustment occurred on June 1, 2008, and subsequent rate adjustments will occur on June 1 of each year thereafter during the term of the pilot program.

While Idaho Power believes the FCA removes an inherent disincentive to pursue DSM programs, additional experience and results are necessary to determine the full impact of the pilot program. In order to implement the package of DSM programs contained in the 2006 IRP, Idaho Power has substantially increased staffing levels in its Customer Relations and Energy Efficiency Department. This group is responsible for managing DSM program performance and works collaboratively with customers to promote and enhance the programs offered by Idaho Power. Section 4 of the 2008 IRP Update provides details on DSM program performance which has exceeded the expectations contained in the 2006 IRP.

Idaho Power plans to continue to pursue cost-effective DSM in the IRP planning process. The Customer Relations and Energy Efficiency Department will also be involved as new programs and enhancements to existing programs are evaluated against supply-side resources in the preparation of the 2009 IRP. A more thorough analysis of the FCA pilot

program will be included in the 2009 IRP as requested in Idaho PUC Order No. 30281 which accepted Idaho Power's 2006 IRP.

Dispatchable Customer Generation

Idaho Power began an investigation into a dispatchable customer generation program during the fall of 2006. As conceptualized by the Company, the program would use non-residential customers' standby generators for up to 400 hours a year to help meet system peak power demands. Customer generators would operate in parallel with Idaho Power's generation resources during times of peak energy demand and also provide back up for the customer's facility when needed. The customers' generators would be started remotely by Idaho Power's dispatch center.

Idaho Power performed a feasibility analysis, examining the various costs involved in the interconnection of back-up generators as well as the resulting operations and maintenance costs. Both initial generator installations and existing retrofits were considered. The analysis concluded that Idaho Power would have to make a significant infrastructure investment.

Idaho Power determined that it was necessary to do an in-depth analysis of the interconnection costs, targeting generators of different sizes, ages, and locations. Five Idaho Power customers committed to the detailed analysis and allowed the company to perform an on-site interconnection analysis. The on-site analysis provided a more accurate cost estimate and determination of the program's potential viability. Idaho Power concluded that it may be economical to operate customers' generators during short periods of high energy demand.

Following the detailed analysis, Idaho Power began investigating air quality and permitting issues. If a customer generation program were implemented, Idaho Power would most likely dispatch customers' generators, almost all of which utilize diesel fuel, at times of peak system demand, which occurs most often on hot, summer afternoons – times when air quality may already be reduced. In addition, Idaho Power received concerns from the environmental community regarding air quality issues associated with operating diesel generators. Because of air quality and other concerns, Idaho Power recommended holding a workshop to solicit input regarding the implementation of a dispatchable customer generation program in the Company's service territory. On April 4, 2008, Idaho Power filed an updated status report on the investigation with the Idaho Public Utilities Commission and requested scheduling a workshop for the purpose of receiving input from interested parties.

Wind Integration Study

Under the Public Utility Regulatory Policies Act (PURPA), Idaho Power is required to offer independent developers a power purchase contract based on a standard avoided cost rate for a qualifying facility with a monthly output of 10 aMW or less. Because a large number of wind project developers came to Idaho Power requesting PURPA contracts in early 2005, Idaho Power requested and the Idaho PUC granted temporary relief from PURPA requirements until the impact of wind integration could be studied. The Idaho PUC granted relief by temporarily reducing the PURPA cap of 10 aMW to 100 kW for PURPA wind projects.

On February 6, 2007, Idaho Power filed a wind integration study report with the Idaho PUC. Idaho Power also filed a petition requesting removal of the temporary restriction on the size of PURPA wind projects and an adjustment to the avoided cost rates to compensate for the increase in system costs due to wind variability. On March 15, 2007, and June 20, 2007, public workshops were held to present and discuss the results of the wind integration study.

Following negotiations to settle the case, Idaho Power entered into a settlement stipulation on October 2, 2007. The settlement stipulation prescribed a methodology for calculating a wind integration charge that will be applied to PURPA wind projects as well as other provisions. The integration charge will be calculated as a percentage of the current 20-year, levelized, avoided cost rate and be subject to a cap of $6.50 per MWh. On February 20, 2008, the Idaho PUC issued an order approving the settlement stipulation and returned the PURPA cap to 10 aMW.

FERC Relicensing Process

Idaho Power, like other utilities that operate non-federal hydroelectric projects on qualified waterways, obtains licenses for its hydroelectric projects from the Federal Energy Regulatory Commission (FERC). The licenses last for 30 to 50 years depending on the size, complexity, and cost of the project. Idaho Power is actively pursuing the relicensing of the Hells Canyon Complex and Swan Falls projects.

The most significant ongoing relicensing effort is the Hells Canyon Complex (HCC). The HCC provides approximately two-thirds of Idaho Power's hydroelectric generating capacity and 40% of the company's total generating capacity. The current license for the HCC expired at the end of July 2005. Until the new multi-year license is issued, Idaho Power continues to operate the project under an annual license issued by the FERC.

The license application was filed in July 2003 and accepted by the FERC for filing in December 2003. The FERC is now processing the application consistent with the requirements of the Federal Power Act (FPA), the National Environmental Policy Act of 1969, as amended (NEPA), the Energy Policy Act and other applicable federal laws.

The license for the Swan Falls hydroelectric project expires in June 2010. On March 10, 2005, Idaho Power issued a Formal Consultation Package (FCP) to the public relating to environmental studies designed to determine project effects for the relicensing of the project. On September 21, 2007, Idaho Power submitted a draft license application to the FERC for public review and comment. The draft application is based on the results of the environmental studies along with agency and public consultation. Idaho Power will file a final license application for the Swan Falls hydroelectric project with the FERC in June 2008.

Failure to relicense any of the existing hydropower projects at a reasonable cost will create upward pressure on the current electric rates of Idaho Power customers. The relicensing process also has the potential to decrease available capacity and increase the cost of a project's generation through additional operating constraints and requirements for environmental protection, mitigation, and enhancement (PM&E) imposed as a condition for relicensing. Idaho Power's goal throughout the relicensing process is to maintain the low cost of generation at the hydroelectric facilities while implementing non-power measures designed to protect and enhance the river environment.

No reduction of the available capacity or operational flexibility of the hydroelectric plants to be relicensed was assumed as part of the 2006 IRP. If capacity reductions or reductions in operational flexibility do occur as a result of the relicensing process, Idaho Power will adjust future resource plans to reflect the need for additional capacity resources in order to maintain the existing level of reliability.

Renewable Energy Credits (Green Tags)

A renewable energy credit (REC) or "green tag" is a tradable commodity that is created for each megawatt-hour of energy generated from a qualified renewable energy project. Traditional carbon emissions trading programs promote low-carbon technologies by increasing the cost of emitting carbon, while RECs create incentives to develop carbon-neutral renewable energy resources by providing a production subsidy.

Idaho Power has enrolled in the Western Renewable Energy Generation Information System (WREGIS). WREGIS was developed by the Western Electricity Coordination Council (WECC) in cooperation with numerous utility, governmental and environmental groups to provide a universal, independent, REC tracking system. Since its inception in late 2007, WREGIS has quickly become the tracking system preferred by many western states and regulatory agencies.

Idaho Power is receiving all the RECs from the Elkhorn Valley Wind Project over the 20-year term of the power purchase agreement. During initial start-up and testing of the project in late 2007, approximately 16,933 RECs were generated and Idaho Power expects to receive approximately 300,000 RECs from the Elkhorn Valley Wind Project each year beginning in 2008.

Idaho Power will be receiving RECs from up to 3 MW of generation at the Raft River Geothermal Project (Unit 1) when the actual generation of the project exceeds 10 MW. Idaho Power expects to receive approximately 19,000 RECs each year throughout the 25-year term of the power purchase agreement. The project is currently working through initial start up issues and has not routinely exceeded 10 MW. However, Idaho Power expects to receive RECs from the Raft River project starting later in 2008.

Idaho Power continues to review the eligibility of the company's existing resources to create RECs as well as the possibility of acquiring RECs from qualifying facilities under existing and future PURPA contracts. Numerous discussions have been conducted both internally and with the Idaho PUC staff to gather input regarding the development of an Idaho Power REC Policy.

PURPA Contracts

Under the Public Utility Regulatory Policies Act of 1978 (PURPA), Idaho Power is required to offer independent developers a power purchase contract based on a standard avoided cost rate for any qualifying facility with a monthly output of 10 aMW or less. Because Idaho Power cannot accurately predict the level of future PURPA development, only contracts that are currently signed and approved by the Idaho PUC are included in Idaho Power's resource plans.

Since the 2006 IRP was published, the overall expected nameplate rating of PURPA projects has not changed materially. Changes that have taken place include reductions of 26.9 MW from two biomass projects, 19.5 MW from one wind project and 10 MW from a geothermal project. Additions since the 2006 IRP include 57.6 MW from three wind projects. These adjustments result in a cumulative change in the contract nameplate rating from 438.2 MW in 2006 to 439.4 MW today. Idaho Power currently has 94 signed and approved PURPA contracts.

Idaho Power's 2006 IRP included more than 250 MW from PURPA contracts that had been signed and approved by the Idaho PUC. The timing of these resources included in the 2006 IRP was based on the estimated on-line dates contained in the contracts. To date, none of these PURPA projects have met the scheduled operation date; a few are currently under construction, and 150 MW has been delayed until 2010, or possibly indefinitely. Because of the uncertainty created by this situation,

Idaho Power plans to discuss the methodology of accounting for PURPA projects with the IRP Advisory Council as part of the 2009 IRP process.

Wholesale Contracts

Idaho Power currently has one, fixed-term, off-system sales contract to supply 6 aMW to the Raft River Rural Electric Cooperative. Since the 2006 IRP was published, the term of the contract has been renewed annually and is expected to continue to be renewed through the end of September 2011.

The Raft River Cooperative is the electric distribution utility serving Idaho Power's former customers in Nevada and the agreement was established as a full-requirements contract after being approved by the FERC and the Public Utilities Commission of Nevada.

The contract that Idaho Power had to supply 6 aMW to the City of Weiser expired at the end of 2006. The expiration of this contract was anticipated in the 2006 Integrated Resource Plan.

Idaho Power and Montana's NorthWestern Energy negotiated a load-following agreement in which Idaho Power provided NorthWestern Energy 30 MW of load-following service. Idaho Power did not renew the load-following agreement at the end of 2007 because of concerns regarding the integration of more than 350 MW of wind generation anticipated to be interconnected on Idaho Power's system.

NorthWestern has provided load following services for the Salmon, Idaho area which is located in the NorthWestern Balancing Authority Area. Idaho Power and NorthWestern are currently working together to move the Salmon area load into the Idaho Power Balancing Authority Area.

Idaho Power continues to utilize its transmission capacity on the Jefferson line to import power from Montana during the summer months. At present, Idaho Power purchases 83 MW during heavy load hours from June through August from PPL Montana. Although the purchase agreement expires in August 2009, Idaho Power plans to continue to utilize the available transmission capacity during the summer months. An RFP has been issued to supply 83 MW for the three summer months beginning in June 2010 and proposals are due in May 2008.

3. PLANNING PERIOD FORECASTS

Sales and Load Forecast

In addition to the biennial IRP process, Idaho Power prepares a sales and load forecast each calendar year as part of the company's annual financial forecast. The sales and load forecast is strongly influenced by the most recently available economic forecast developed by Idaho Economics, an independent consultant. The forecast of the number of households and employment projections, along with customer consumption patterns, is used to develop customer forecasts and load projections. The projections were updated in August 2007 and are the basis for the sales and load forecast for the 2008 IRP Update.

Significant factors influencing the 2008 IRP Update sales and load forecast include:

- The sales and load forecast developed for the 2008 IRP Update reflects the addition of one new "Special Contract" customer. This customer plans to begin operation in January 2009 and reach full capacity by August 2009. The 2008 IRP Update sales and load forecast includes 38 aMW with a peak demand of 43 MW for this customer. Although this additional load was included in the updated forecast, Idaho Power and the customer are still in discussions and the final load could eventually be more than double these amounts.

- Demand-side management (DSM) program performance has exceeded the 2006 IRP projections.

- The effect of code changes for residential building practices, including increased insulation requirements and air conditioning unit efficiency for new construction and replacement units, has lowered energy consumption projections.

- New DSM programs proposed in the 2006 IRP were initially categorized as supply-side resources. As proposed programs are implemented, the program effects are integrated into existing DSM and considered to be part of the load forecast base which lowers the energy and peak forecast. The 2008 IRP Update sales and load forecast reflects the full integration of DSM program effects as a reduction to the forecast time series as well as the effects of new building codes and air conditioning efficiency standards.

Customer and Load Growth

Customer growth is the primary factor leading to Idaho Power's need for additional resources. Population growth throughout southern Idaho - specifically in the Treasure Valley - requires additional resources to meet both the instantaneous peak and the sustained energy needs of the new customers. As mentioned in the 2006 IRP, new generation is often more costly than electricity produced at existing facilities. Incorporating new generation in Idaho Power's rate base tends to increase electricity prices for all customers in all rate classes.

In 1990, Idaho Power had approximately 290,000 retail customers. Today, Idaho Power serves more than 480,000 retail customers in Idaho and Oregon. Firm peak-hour load has increased from less than 2,100 MW in 1990 to nearly 3,200 MW in the summer of 2007. In July 2007, the peak-hour load reached 3,193 MW, which was a new system record. Average firm load has increased from 1,200 aMW in 1990 to 1,800 aMW at the end of 2007. A summary of Idaho Power's load and customer data is shown in Table 1.

The sales and load forecast anticipates that Idaho Power will add between 12,500 and 13,000 new customers each year throughout the planning period. The annual compound growth rate is approximately 2.1%. The compound growth rate results in expected customer growth from approximately 480,500 customers in 2007 to nearly 740,000 customers in 2027. Figure 1 shows a comparison of the 2006 and 2008 updated customer forecasts. Figure 1 shows that there will be a greater number of retail customers than were forecast in the 2006 IRP - nearly 26,000 more retail customers by 2027. The additional 26,000 retail customers represent a change in total customers of almost 4% by the end of the 20-year planning period.

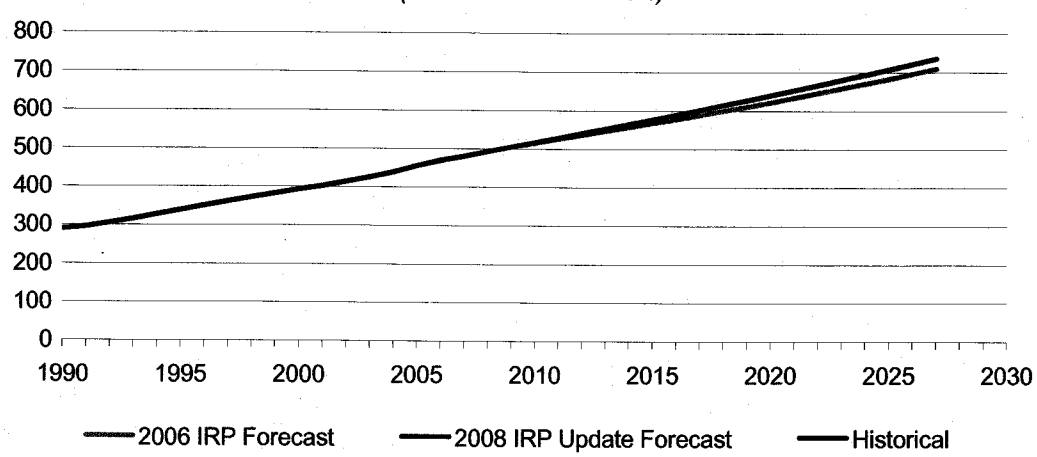
The recent cyclical slowdown in customer growth, as indicated in the total number of customers for year end 2007 is approximately three tenths of a percent lower than forecast (0.3%). The effect of the cyclical downturn on the longer term trend will be evaluated for the 2009 IRP.

Table 1. Historical Data (1990-2007)

Year	Peak Firm Load (MW)	Average Firm Load (aMW)	Number of Customers	Change in Customers from Previous Years
1990	2,052	1,205	290,492	7,327
1991	1,972	1,206	296,584	6,092
1992	2,164	1,281	306,292	9,708
1993	1,935	1,274	316,564	10,272
1994	2,245	1,375	329,094	12,530
1995	2,224	1,324	339,450	10,356
1996	2,437	1,438	351,261	11,811
1997	2,352	1,457	361,838	10,577
1998	2,535	1,491	372,464	10,626
1999	2,675	1,552	383,354	10,890
2000	2,765	1,653	393,095	9,741
2001	2,500	1,576	403,061	9,966
2002	2,963	1,622	414,062	11,001
2003	2,944	1,657	425,599	11,537
2004	2,843	1,671	438,912	13,313
2005	2,961	1,660	456,104	17,192
2006	3,084	1,745	470,950	14,846
2007	3,193	1,808	480,523	9,573

Figure 1. Retail Customers

(thousands of customers)



Load Forecast

Alternate forecast scenarios for average load and peak-hour load were developed for the 2006 IRP. The two planning criteria, the 70th percentile average load for energy planning, and the 95th percentile peak-hour load for capacity planning, have not been changed in the 2008 IRP Update.

The projected demand for electricity by customers in Idaho Power's service area is bounded by high and low probabilistic load forecasts. The boundary forecasts reflect the range of load uncertainty associated with alternate weather related assumptions. The median forecast is between the two boundaries and Idaho Power considers the median forecast to represent the most likely outcome.

Both the average energy and the peak-hour load forecasts have declined since the 2006 IRP. A variety of factors have contributed to the load forecast change. The customer forecast has increased since publishing the 2006 IRP and the customer increase leads to an increase in both peak-hour and average energy. Offsetting the energy increase are the effects of the DSM programs and a forecast increase in retail electricity prices. Two factors affect the DSM projections. First, the DSM programs have been more effective than forecast in the 2006 IRP – the DSM program results have exceeded the projections made in 2006. And second, is the manner in which Idaho Power treats the DSM projections in an IRP. In an IRP, new DSM programs are added to the resource stack meaning demand-side programs are treated equally with supply-side resources. However, when a demand-side program is initiated and Idaho Power commits to the program, the program effects are considered as part of the load forecast. Unlike demand-side programs, the effects of existing and committed supply-side resources continue to be analyzed as part of the resource stack. The final factor contributing to the decline in the sales and load forecast is that energy prices are forecast to increase slightly faster than originally projected in the 2006 IRP, which is expected to result in a slight reduction in energy consumption.

Average Load (Energy)

Table 2 summarizes three forecast outcomes of Idaho Power's estimate of its annual system load considering median, 70th percentile and 90th percentile weather impacts on the expected (median) load forecast. The 70th percentile forecast is based on 70th percentile weather to determine average monthly load which means three years out of ten would exceed the forecast.

Idaho Power uses the 70th percentile forecast as the basis for energy resource planning. Therefore, the planning criteria for determining

Table 2. Range of System Load Growth Forecasts (aMW) 2008 IRP Update

Year	Median	70th Percentile	90th Percentile
2007 **(Actual)**	**1,810**	**1,810**	**1,810**
2008	1,812	1,853	1,925
2009	1,880	1,921	1,994
2010	1,913	1,955	2,029
2011	1,941	1,984	2,059
2012	1,954	1,997	2,073
2013	1,976	2,020	2,097
2014	1,989	2,034	2,112
2015	2,008	2,053	2,132
2016	2,036	2,081	2,162
2017	2,051	2,097	2,178
2018	2,067	2,114	2,196
2019	2,096	2,144	2,227
2020	2,129	2,176	2,261
2021	2,163	2,211	2,297
2022	2,197	2,246	2,333
2023	2,231	2,280	2,368
2024	2,265	2,314	2,403
2025	2,301	2,351	2,441
2026	2,341	2,392	2,483
2027	2,380	2,432	2,524
Growth Rate *(2005–2027)*	1.4%	1.4%	1.4%

the need for energy resources assumes 70th percentile average load conditions. The projected 20-year average annual compound growth rate in the expected load forecast is 1.4% and average energy demand is forecast to grow at about 30 aMW per year. Figure 2 illustrates the 70th percentile average load forecasts used in the 2006 IRP and 2008 IRP Update. The difference between the two forecasts is shown in Table 3.

Peak-Hour Load

New housing growth and the associated increase in air conditioning load in southern Idaho is driving much of Idaho Power's peak-hour load growth. In the updated load forecast, the peak-hour load is projected to grow by approximately 70 MW per year throughout the planning period, which is 10 MW per year less than predicted in the 2006 IRP. This reduction in the growth rate is due to DSM demand response programs, local and federal efficiency codes and standards, and reduced consumption due to higher prices.

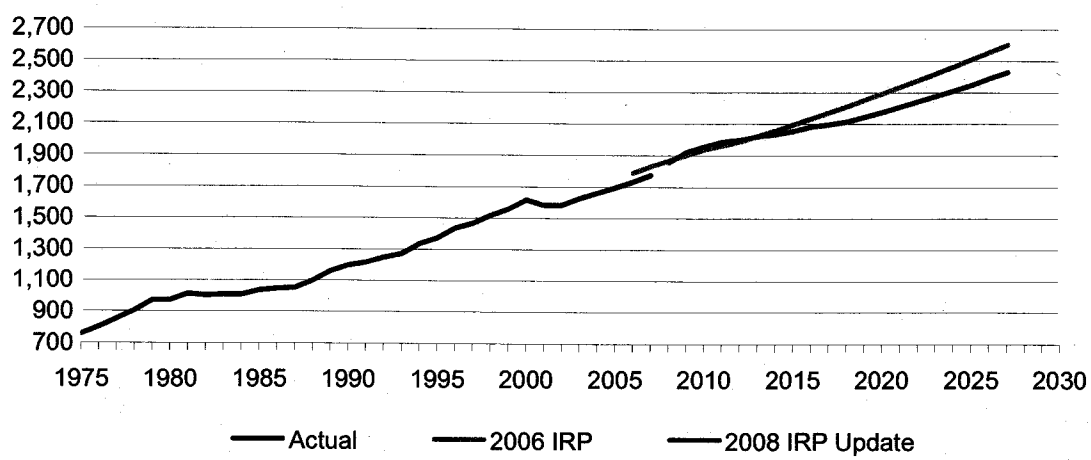
Table 4 summarizes three forecast outcomes of Idaho Power's estimate of its annual system peak considering median, 90th percentile and 95th percentile weather impacts on the expected (median) peak forecast. The 95th percentile forecast uses the 95th percentile peak day temperature to determine monthly peak-hour

Table 3. Change in System Load Growth (aMW) 2008 IRP Update vs. 2006 IRP

Year	Median	70th Percentile	90th Percentile
2008	-10	-11	-10
2009	23	22	22
2010	21	20	21
2011	23	23	23
2012	12	11	12
2013	-2	-3	-2
2014	-25	-25	-24
2015	-43	-44	-43
2016	-53	-54	-51
2017	-77	-77	-76
2018	-100	-100	-98
2019	-111	-111	-109
2020	-119	-119	-116
2021	-127	-127	-124
2022	-136	-135	-132
2023	-145-	-145	-142
2024	-154	-155	-152
2025	-163	-164	-160
2026	-168	-168	-165
2027	-175	-175	-172
% Change *(in 2027)*	-6.8%	-6.7%	-6.4%

Figure 2. Forecasted Firm Load – 70th Percentile

(average megawatts)



demand. Idaho Power uses the 95th percentile forecast as the basis for peak resource planning. Therefore, the planning criteria for determining the need for peak-hour capacity assumes 95th percentile peak-day temperature conditions.

Table 4. Range of System Peak Growth Forecasts (MW) 2008 IRP Update

Year	Median	90th Percentile	95th Percentile
2007 **(Actual)**	**3,193**	**3,193**	**3,193**
2008	3,099	3,240	3,284
2009	3,193	3,338	3,383
2010	3,252	3,400	3,446
2011	3,313	3,464	3,511
2012	3,356	3,510	3,558
2013	3,409	3,567	3,617
2014	3,454	3,615	3,666
2015	3,506	3,671	3,723
2016	3,572	3,740	3,793
2017	3,620	3,792	3,846
2018	3,672	3,847	3,901
2019	3,738	3,916	3,972
2020	3,808	3,990	4,047
2021	3,881	4,066	4,124
2022	3,955	4,143	4,202
2023	4,028	4,220	4,280
2024	4,103	4,298	4,359
2025	4,179	4,378	4,440
2026	4,262	4,464	4,527
2027	4,345	4,550	4,615
Growth Rate *(2008-2027)*	1.8%	1.8%	1.8%

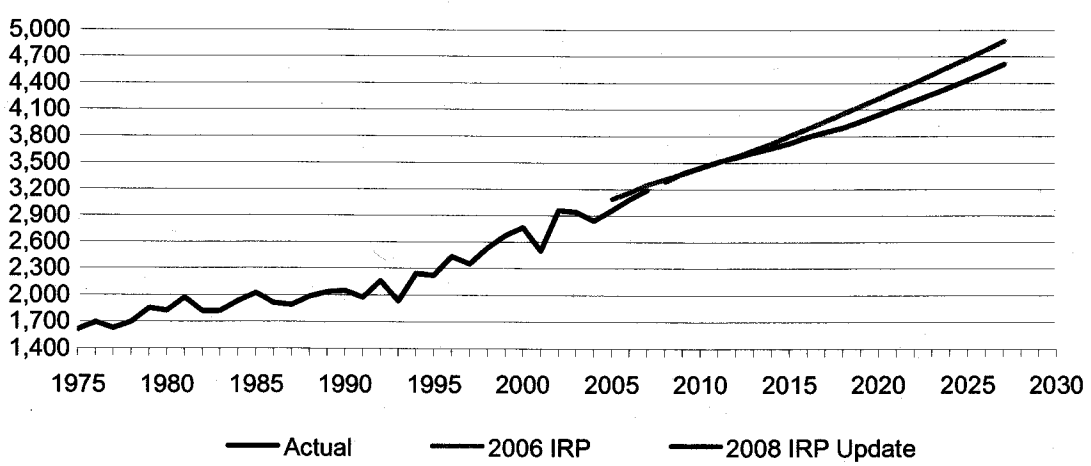
The projected 20-year average annual compound growth rate in the expected peak forecast is 1.8% as shown in Table 4. Figure 3 illustrates the 95th percentile system peak forecasts used in the 2006 IRP and 2008 IRP Update. The difference between the two forecasts is shown in Table 5.

Table 5. Change in System Peak Growth (MW) 2008 IRP Update

Year	Median	90th Percentile	95th Percentile
2008	-28	-28	-28
2009	11	12	11
2010	4	4	4
2011	5	5	5
2012	-11	-12	-12
2013	-30	-30	-30
2014	-57	-58	-57
2015	-83	-83	-82
2016	-95	-96	-95
2017	-127	-127	-126
2018	-156	-156	-157
2019	-172	-172	-172
2020	-185	-185	-184
2021	-197	-197	-197
2022	-209	-209	-209
2023	-223	-223	-223
2024	-236	-236	-236
2025	-249	-249	-249
2026	-256	-256	-256
2027	-265	-266	-265
% Change *(in 2027)*	-5.7%	-5.5%	-5.4%

Figure 3. Forecasted Firm Summer Peak – 95th Percentile

(megawatts)



Hydroelectric Generation Forecast

In the IRP process, Idaho Power assesses resource adequacy using the 70th percentile water condition for average energy planning and the more constrained 90th percentile water condition for peak-hour planning. Idaho Power recognizes that water management issues in the Snake River drainage will continue to remain the subject of debate for the foreseeable future and the company will adjust the hydroelectric resource projections in the IRP in response to changing practices and conditions.

Water Issues in Idaho

Power generation at Idaho Power's hydroelectric projects on the Snake River is dependent upon the state water rights held by the company and the long-term sustainability of the Snake River, tributary spring flows and the Eastern Snake Plain Aquifer that is connected to the Snake River. Idaho Power continues to participate in the water management issues in Idaho that may affect the company's water rights and resources.

One of the main water rights issues facing Idaho Power Company is the Snake River Basin Adjudication initiated in 1987. The Snake River Adjudication is a legal action containing both judicial and administrative proceedings. The adjudication process will allocate the Snake River water between surface water users, ground water users, in-stream non-consumptive water users, senior water rights holders, and junior water rights holders. The objective of the Snake River Basin Adjudication is to reverse the decline in river, spring, and aquifer water levels and to address the long-term water resource needs of the state.

Idaho Power will continue to vigorously defend its water rights. None of the pending water management issues are expected to impact Idaho Power Company hydroelectric generation in the near-term, but the company cannot predict the ultimate outcome of the legal and administrative water rights proceedings. Idaho Power's ongoing participation in water rights issues is to guarantee that sufficient water is available for use at the company's hydroelectric projects on the Snake River.

Flow Augmentation

Reports issued in 2007 by the Bureau of Reclamation (August 2007) and NOAA Fisheries Service (October 2007) suggest an intent to explore shifting the delivery of flow augmentation water from the months of July and August to the spring months of April, May and June. A follow-up biological opinion report is anticipated later in 2008.

Idaho Power has performed a preliminary resource planning analysis to estimate the impact of the shift in the timing of the flow augmentation water. The analysis suggests that under the 70th percentile water condition used for energy resource planning, generation levels for the most energy constrained month (July) are projected to decline by approximately 115 aMW. Idaho Power will continue to monitor the issue to ensure that generation projections for its hydroelectric facilities for the 2009 IRP are consistent with current federal flow augmentation practices and schedules.

Coal Price Forecast

The expected coal price forecast developed for the 2006 IRP was an average of Idaho Power's coal forecasts for its Valmy and Jim Bridger thermal plants. In addition, the 2006 IRP used a Wyoming specific coal forecast for potential generation resources located in Wyoming and a regional coal price forecast for resources at non-specific locations. The coal price forecasts were created using coal and rail transportation market information, private forecasts, and the Global Insight 2006 U.S. Power Outlook report. The resulting costs in dollars per MMBtu represent the delivered cost of the coal, including rail costs, coal costs, and use taxes.

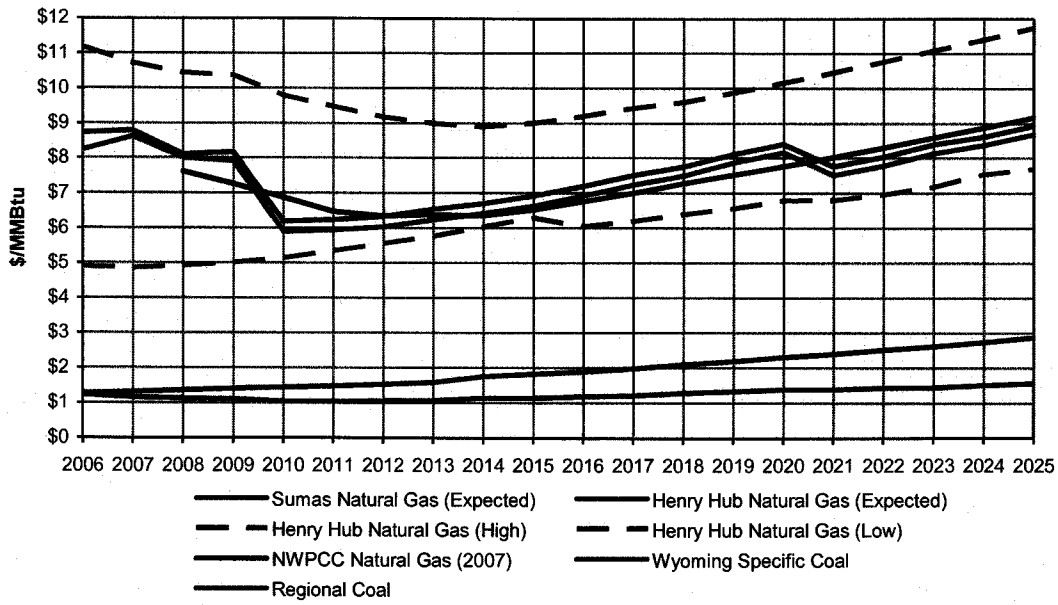
In general, coal prices have risen due to increases in the cost of diesel fuel, explosives, utilities, shipping and other consumables used in mining. The coal price forecasts were not updated as part of the 2008 IRP Update, however, new forecasts will be prepared in 2008 as part of the 2009 IRP process. A summary of both coal price forecasts used in the 2006 IRP are shown in Table 6 and Figure 4.

Natural Gas Price Forecast

Idaho Power does not directly forecast natural gas prices as part of the planning process. Industry forecasts developed by outside consultants are combined with forecasts from published sources to create a composite forecast. The expected gas price forecast used in the IRP is derived from public and private source forecasts including IGI Resources, NYMEX, PIRA, EIA, NWPCC, and U.S. Power Outlook. The forecast from each source is converted to nominal dollars and then converted to dollars per MMBtu at the Sumas trading hub. Each forecast is then weighted and used to develop the composite forecast. Transportation costs are then added to the weighted average price to develop a final estimate of the delivered cost in dollars per MMBtu. The transportation costs also include Northwest Pipeline's fixed and volumetric charges as well as fuel gas.

Figure 4. 2006 IRP Fuel Forecast

(Nominal $/MMBtu)



Idaho Power has not prepared an updated natural gas price forecast for the 2008 IRP Update. However, the Northwest Power and Conservation Council (NWPCC) recently issued a revised natural gas price forecast which is shown in Table 6 and Figure 4 along with the forecasts used in Idaho Power's 2006 IRP. As shown in Figure 4, the new forecast from the NWPCC does not deviate materially from Idaho Power's expected case forecast used in the 2006 IRP.

Table 6. Coal and Natural Gas Forecasts
($/MMBtu Delivered–Nominal)

Year	2006 IRP Wyoming Specific Coal[1]	2006 IRP Regional Coal[2]	2006 IRP Sumas Natural Gas (Expected)	2006 IRP Henry Hub Natural Gas (Expected)	2006 IRP Henry Hub Natural Gas (High)	2006 IRP Henry Hub Natural Gas (Low)	2007 NWPCC Natural Gas Price Forecast
2006	$1.24	$1.27	$8.23	$8.73	$11.16	$4.89	
2007	$1.17	$1.32	$8.62	$8.79	$10.71	$4.86	
2008	$1.13	$1.37	$8.00	$8.11	$10.43	$4.92	$7.58
2009	$1.11	$1.41	$7.91	$8.17	$10.36	$5.01	$7.20
2010	$1.05	$1.45	$5.90	$6.19	$9.79	$5.14	$6.80
2011	$1.03	$1.49	$5.95	$6.24	$9.48	$5.35	$6.38
2012	$1.06	$1.53	$6.04	$6.33	$9.18	$5.57	$6.23
2013	$1.07	$1.58	$6.24	$6.53	$9.00	$5.78	$6.30
2014	$1.14	$1.75	$6.42	$6.71	$8.90	$6.05	$6.30
2015	$1.15	$1.83	$6.64	$6.92	$9.01	$6.30	$6.53
2016	$1.19	$1.90	$6.92	$7.20	$9.20	$6.05	$6.82
2017	$1.22	$1.98	$7.23	$7.50	$9.43	$6.20	$7.10
2018	$1.29	$2.09	$7.49	$7.75	$9.60	$6.40	$7.44
2019	$1.34	$2.19	$7.86	$8.12	$9.87	$6.56	$7.71
2020	$1.40	$2.31	$8.16	$8.41	$10.16	$6.79	$8.00
2021	$1.39	$2.41	$7.51	$7.77	$10.45	$6.80	$8.28
2022	$1.43	$2.52	$7.79	$8.04	$10.76	$6.96	$8.58
2023	$1.45	$2.63	$8.14	$8.39	$11.08	$7.18	$8.89
2024	$1.52	$2.74	$8.38	$8.62	$11.40	$7.54	$9.22
2025	$1.56	$2.88	$8.70	$8.94	$11.74	$7.69	$9.54

[1] Used in the 2006 IRP for a Wyoming Specific coal resource.

[2] Used in the 2006 IRP for a non-location specific, regional coal resource.

[3] NWPCC medium case (east-side delivered) inflated at 2.5%.

4. DEMAND-SIDE MANAGEMENT

Demand-Side Resources

During 2007, Idaho Power continued to expand the programs that were implemented as a result of the 2004 IRP. Idaho Power's 2006 IRP included the addition of three new DSM programs and the expansion of one program. In addition to the DSM programs identified in the IRP, Idaho Power has also continued to pursue other customer-focused DSM initiatives, including programs that preceded the 2004 IRP, educational opportunities, and regional market transformation efforts. As part of new regulatory initiatives, in 2007 Idaho Power committed to enhance its efforts to promote energy efficiency.

Idaho Power's DSM activities throughout 2007 were primarily focused on enhanced program participation and energy savings in the current programs, and design and implementation of new programs. Idaho Power has also continued to integrate the company's field and support personnel to increase customer awareness and participation in the programs.

Program Performance

Demand-side management programs at Idaho Power continue to grow as measured by customer participation, energy savings, and demand reduction. In 2007, participation in the A/C Cool Credit program increased by 155%. The Irrigation Peak Rewards and A/C Cool Credit programs resulted in an estimated combined summer peak reduction of 48 MW, representing a 29% increase from 2006 results. The four energy efficiency programs that were identified in the 2004 IRP are the Custom Efficiency (Industrial), Building Efficiency (Commercial), ENERGY STAR® Homes Northwest (Residential), and Irrigation Efficiency Rewards programs. The four programs resulted in total annual savings of over 45,000 MWh in 2007, which was a 20% increase over the 2006 energy savings of approximately 38,000 MWh for the same programs. The energy efficiency programs that originated as a result of the 2006 IRP are the Heating and Cooling Efficiency (Residential), ENERGY STAR® Lighting (Residential), and the Easy Upgrades (Commercial) programs. The new programs resulted in annual savings of over 12,000 MWh in 2007.

An expansion of the program formerly known as the Industrial Efficiency program was also identified in the 2006 IRP. The program was expanded in 2007 and is now called the Custom Efficiency program.

In addition to the IRP programs offered during 2007, Idaho Power operated several other energy efficiency programs targeting residential customers: Weatherization Assistance for Qualified Customers (WAQC), Energy House Calls, Rebate Advantage, and Oregon Residential Weatherization. The energy efficiency programs added annual savings of over 4,500 MWh in 2007.

Residential Programs

Programs available to residential customers include one demand response program, seven energy efficiency programs, and an educational initiative program. The residential demand response program is called "A/C Cool Credit" and the program achieves peak-hour demand reduction by cycling customers' central air conditioners. The residential energy efficiency programs include Energy House Calls, ENERGY STAR® Homes Northwest, Oregon Residential Weatherization, Rebate Advantage, ENERGY STAR® Lighting, WAQC, and Heating and Cooling Efficiency.

The Residential Energy Efficiency Education Initiative began in 2007, which provided educational outreach to Idaho Power residential customers. In addition, the Heating and Cooling

Efficiency program and the Appliance program were under development in 2007.

Idaho Power conducted approximately 20 regional events in partnership with local community retailers to educate and influence consumer purchasing decisions relating to ENERGY STAR® Lighting. Idaho Power increased residential program outreach efforts in 2007 through partnerships with Home Depot, Lowes, Wal-Mart, and other retailers. The partnerships were developed to educate customers across Idaho Power's service area about energy efficient lighting and increase the adoption of energy efficient lighting by residential customers.

Another addition in 2007 was the creation of the www.getpluggedin.com web site and related radio and TV advertising. The marketing channels were designed to educate customers about various issues facing Idaho Power, and specifically, energy efficiency and the role it plays in planning and managing growth.

Residential Results

In 2007, residential customers were responsible for a 10% increase in energy savings from 2006 with approximately 11,000 MWh savings in 2006 and over 12,000 MWh in 2007. The peak-hour demand savings from residential customers increased by 74% from 6.5 MW in 2006 to 11.4 MW in 2007. Customer participation in the demand response programs increased by 155% for 2007, and compact fluorescent light (CFL) bulb sales increased by 23%.

Commercial and Industrial Programs

Three programs targeting different energy efficiency activities are available to Idaho Power's commercial and industrial customers. The newest program offered to these customers, Easy Upgrades, was launched in Idaho in February 2007 and in Oregon in May 2007. The program is designed to deliver energy efficiency and demand-side savings to all existing commercial and industrial customers. Easy Upgrades offers a menu of incentives for lighting, HVAC, motors, building shell, plug loads, and grocery refrigeration. With the launch of the Easy Upgrades program, the Oregon School Efficiency program was discontinued since schools can now participate in the Easy Upgrades program.

The Building Efficiency program for new construction projects achieves energy savings that are cost-effective at the time of construction. The program continues to offer energy-saving improvements for lighting, cooling, building shell, and energy control efficiency options. Both Building Efficiency and Easy Upgrades participants can receive incentives up to $100,000 for any projects completed.

The Custom Efficiency program, formerly the Industrial Efficiency program, was expanded to include large commercial customers in 2007. The program is intended for larger custom projects. Idaho Power continues to offer its Oregon Commercial Audits program to medium and small commercial customers.

Commercial and Industrial Results

Total annual energy savings for the commercial and industrial programs increased by approximately 88%, from approximately 20,000 MWh in 2006 to nearly 38,000 MWh in 2007.

Irrigation Programs

Idaho Power currently offers two programs to irrigation customers: Irrigation Peak Rewards, a demand response program designed to decrease peak-hour demand, and Irrigation Efficiency Rewards, an energy efficiency program designed to encourage replacement or

improvement of inefficient systems and components.

Irrigation Results

The Irrigation Peak Rewards program provided significant peak-hour reductions during the summer of 2007 with an average peak load reduction of nearly 29 MW and a maximum summer peak reduction of over 37 MW. The maximum summer peak-hour reduction was approximately 18% higher in 2007 than in 2006. The peak reduction is due to changes in the program incentive structure, which increased the number of two- and three-day-per week participants.

The Irrigation Efficiency Rewards program also had strong participation in 2007. However, the maturity of the program and the early adoption of the menu options by irrigators have caused a leveling off of projects in 2007. Program redesign, implemented in 2006, offered increased incentive levels and provided a menu option program that is popular with irrigation customers. The total energy savings for 2007 was over 12,000 MWh on 819 projects across Idaho Power's service area.

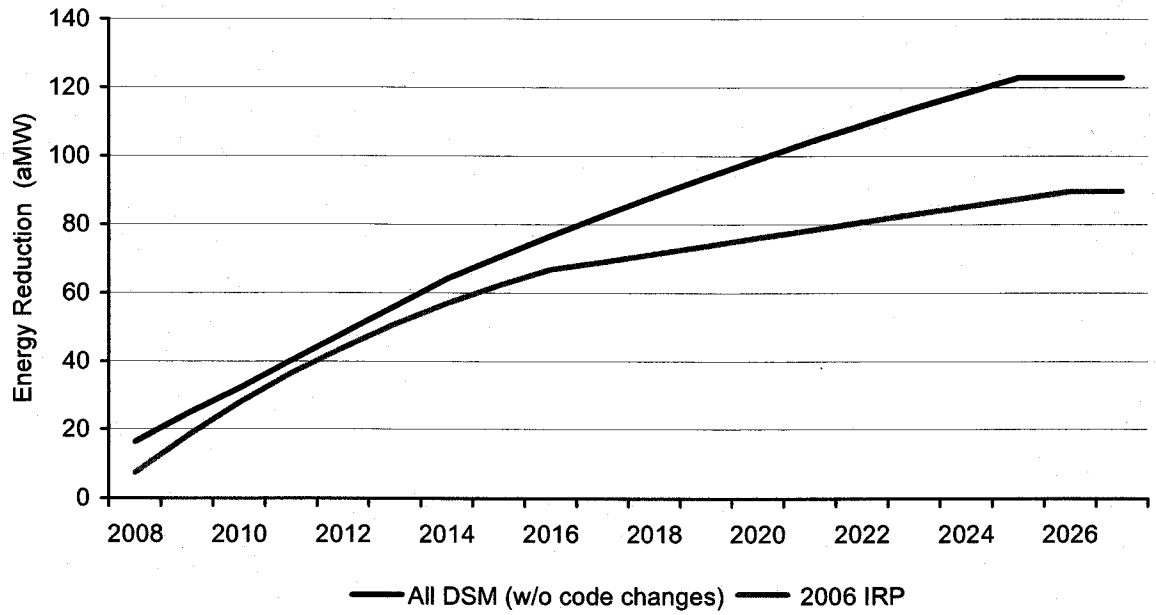
DSM Future Performance

In 2008, Idaho Power plans to continue to increase participation and energy savings from existing programs, continue to implement new energy efficiency programs, research possible new demand response programs, complete a new DSM potential study, and evaluate several existing programs. Idaho Power also plans to participate in the development of the Northwest Power and Conservation Council's (NWPCC) Sixth Power Plan and to continue enhancing consumer education on energy efficiency.

The effects of DSM programs, changes in Idaho residential building codes, and the federal residential air conditioning unit efficiency standards have been integrated into both the demand-side program forecast and the sales and load forecast included in the 2008 IRP Update. The demand-side programs and their expected effects are addressed in more detail in the company's Demand-Side Management 2007 Annual Report.

Figure 5 shows increased energy savings throughout the planning period in a comparison of the DSM program performance anticipated in

Figure 5. DSM Forecast Annual Savings



the 2006 IRP and the 2008 IRP Update. Idaho Power has increased the resources dedicated to energy efficiency and demand response programs, resulting in greater expected program effects. Idaho Power also expects to introduce additional DSM programs throughout the planning period that will result in increased energy savings. The new programs will be considered in the 2009 and subsequent resource plans.

In the later years of the planning period, the updated sales and load forecast shows reduced peak-hour energy consumption resulting from the 2006 IRP demand-side program savings.

The peak-hour reductions are mainly attributed to improved residential building codes and air conditioning standards. For the forecast time period, the 2008 IRP Update forecast shows an overall energy savings improvement of approximately 18% over the earlier forecasts included in the 2006 IRP. Tables 7 and 8 show the effect of DSM on the average and peak-hour load forecasts for the 2008 IRP Update.

The peak-hour load reductions shown in Table 8 are constant from 2010 onward as the present demand response programs reach full implementation. After 2010, new participants are expected to offset program participants who elect to leave the programs. Idaho Power will consider additional demand response programs in the 2009 and subsequent Integrated Resource Plans.

Table 7. DSM Growth Forecast - 2008 IRP Update vs. 2006 IRP (aMW)

	2008 IRP Update				
Year	All DSM (w/o Code Changes)	Code Changes	Total DSM	2006 IRP	Difference
2008	16	1	17	7	10
2009	25	2	27	18	9
2010	32	3	35	28	8
2011	40	5	45	37	8
2012	48	6	54	44	10
2013	56	7	63	51	12
2014	64	8	72	57	15
2015	70	10	80	62	18
2016	77	11	88	67	21
2017	83	12	95	69	26
2018	88	14	102	71	31
2019	94	15	109	74	35
2020	99	17	116	76	40
2021	104	18	123	78	44
2022	109	20	129	81	48
2023	114	21	135	83	52
2024	118	23	142	85	56
2025	123	25	148	88	60
2026	123	27	149	n/a	n/a
2027	123	28	151	n/a	n/a

Table 8. DSM Peak-Hour Savings - 2008 IRP Update vs. 2006 IRP (MW)

	2008 IRP Update		2006 IRP		Difference	
	Energy Efficiency	Demand Response	Energy Efficiency	Demand Response	Energy Efficiency	Demand Response
2008	30	66	20	59	10	7
2009	46	78	26	73	20	5
2010	61	82	32	78	29	5
2011	76	82	37	78	39	5
2012	92	82	43	78	49	5
2013	107	82	48	78	59	5
2014	123	82	54	78	69	5
2015	135	82	54	78	81	5
2016	146	82	54	78	92	5
2017	157	82	54	78	103	5
2018	168	82	54	78	114	5
2019	179	82	54	78	125	5
2020	190	82	54	78	136	5
2021	200	82	54	78	146	5
2022	210	82	54	78	156	5
2023	219	82	54	78	166	5
2024	229	82	54	78	175	5
2025	239	82	54	78	186	5
2026	243	82	n/a	n/a	n/a	n/a
2027	247	82	n/a	n/a	n/a	n/a

5. SUPPLY-SIDE RESOURCES

Evander Andrews Peaking Resource

Idaho Power began construction of a third simple cycle combustion turbine at the Evander Andrews Power Complex near Mountain Home, Idaho in early 2007. The plant began commercial operations on March 11, 2008. The combustion turbine provides approximately 166 MW of capacity during summer peak-hour loads and up to 200 MW during the winter.

Idaho Power received a Certificate of Public Convenience and Necessity for the project from the Idaho PUC on December 15, 2006. The certificate included a power plant construction cost commitment estimate of $60 million. On March 7, 2008, Idaho Power filed an application with the Idaho PUC for authorization to place $57,650,861 of plant investment into rate base.

The March 7, 2008 filing also included $7,331,116 for investment in transmission and interconnection facilities. These transmission and interconnection facilities, which are complete and in service, will allow the new Evander Andrews combustion turbine to operate this summer. However, an additional $19.5 million of transmission and interconnection facilities are scheduled to be placed in service in October 2008 to improve transmission reliability associated with the new power plant.

Shoshone Falls Upgrade

On August 17, 2006, Idaho Power filed a license amendment application with the FERC allowing the company to upgrade the Shoshone Falls project from 12.5 MW to 62.5 MW. In March 2007, Idaho Power received a draft Environmental Assessment (EA) and Notice of Ready for Environmental Analysis from the FERC, which provided for a 60-day comment period for interested entities. The FERC issued a supplemental EA on December 4, 2007 and Idaho Power expects that a license amendment will be issued in 2008. In conjunction with the license amendment application, Idaho Power has filed a water rights application which is currently being reviewed by the Idaho Department of Water Resources (IDWR).

Horizon Wind Energy Power Purchase Agreement

In February 2007, the Idaho PUC approved a power purchase agreement with Telocaset Wind Power Partners, LLC, a subsidiary of Horizon Wind Energy, for 101 MW of nameplate wind generation from the Elkhorn Valley Wind Project located in northeastern Oregon. The Elkhorn Wind project was constructed during 2007 and began commercial operations on December 28, 2007.

U.S. Geothermal Power Purchase Agreement

The 2006 IRP identified a need for Idaho Power to acquire geothermal generation resources. An RFP (Request for Proposals) for geothermal energy was released on June 2, 2006. Idaho Power identified U.S. Geothermal as the successful bidder in March 2007 based on their proposal to supply 45.5 MW of geothermal energy. On January 9, 2008, the Idaho PUC approved a power purchase agreement for 13 MW of nameplate generation from the Raft River Geothermal Power Plant (Unit 1) located in southern Idaho. Raft River Unit 1 began operating at a lower capacity in October 2007 under a PURPA contract.

Contract negotiations for the remaining 32.5 MW will take place over the next several months and are expected to include an additional unit at the Raft River site and two units at the Neal Hot Springs site located in eastern Oregon. On-line dates for these three projects are uncertain and will depend on the

progress of development activities. However, these projects are not expected to meet the 2009 on-line date identified in the 2006 IRP.

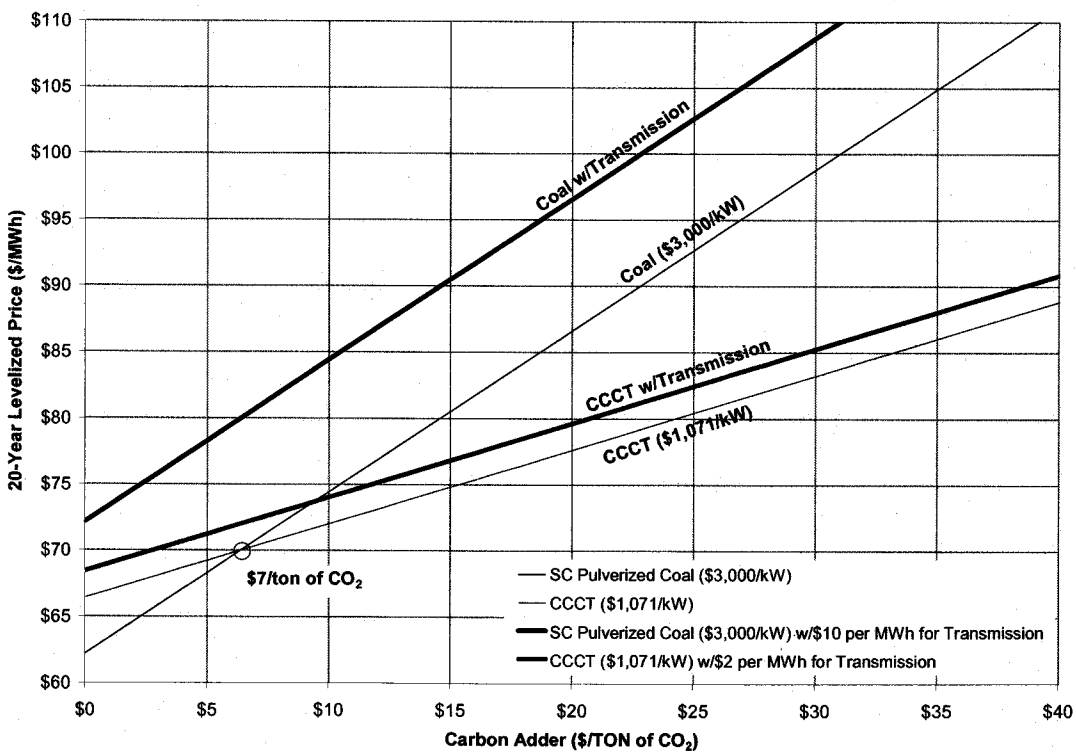
Wyoming Pulverized Coal Resource

The 2006 IRP near-term action plan indicated that an initial commitment to the construction of a coal-fired resource would be necessary before the end of 2007 in order for a project to be on-line in 2013. Idaho Power began screening and evaluating coal-fired resources in 2006. The evaluation concluded in August 2007 and the results indicated construction costs had escalated substantially since resource cost estimates were prepared for the 2006 IRP.

Because the results of the screening and evaluation process were substantially different than the assumptions used in the 2006 IRP, Idaho Power re-evaluated the cost of a coal resource against a combined cycle combustion turbine (CCCT). In this updated analysis, a cost estimate of $1,071 per kW was used for the CCCT based on an estimate prepared by Idaho Power in mid-2007 and $3,000 per kW was used for the coal resource.

Figure 6 is a "tipping point" chart which shows the levelized price of energy for both a pulverized coal and a CCCT resource over a range of carbon adder costs. A carbon adder of $21 per ton of CO_2 is the "tipping point" where a CCCT resource becomes a better choice than pulverized coal.

Figure 6. Levelized Price for Generating Resources vs. Carbon Adder



In addition to comparing the resource costs, Figure 6 also shows an estimate for both resources accounting for the cost of transmission to deliver the energy to Idaho Power's main load center in southwestern Idaho. For this comparison, $10 per MWh was added to the cost of a pulverized coal facility located in Wyoming while $2 per MWh was used for a CCCT which could be built in southwestern Idaho. After accounting for the cost of transmission, Figure 6 shows the CCCT is the best choice for any level of assumed carbon adder.

In the fall of 2007, Idaho Power decided to no longer pursue the development of the 2013 coal-based resource. In addition to considering the cost of a coal-based resource, uncertainty surrounding the regulation of carbon emissions and the ability to permit a new coal resource were considered. Idaho Power continues to evaluate other coal-fired resource opportunities, including efficiency improvements at its jointly-owned facilities as well as monitoring the development of clean coal technologies.

2012 Baseload Resource RFP

In light of the decision to not pursue the development of a pulverized coal generation resource, Idaho Power issued an RFP in April 2008 for 250 to 600 MW of dispatchable, physically delivered firm or unit contingent energy. The energy is to be acquired through either power purchase agreements, tolling agreements or a self-build option being prepared by Idaho Power that will be used as a benchmark in the evaluation process. The range from 250 to 600 MW reflects uncertainty regarding additional load from several new large customers that contacted Idaho Power after the 2008 IRP Update load forecast was prepared. Idaho Power expects to notify bidders of the final quantity of the RFP in the near future.

Changes in the load forecast and updated assumptions regarding existing and planned resources included in the 2006 IRP were the impetus for Idaho Power to analyze the economic impact of adding a new resource in 2012 instead of 2013. The Aurora Electric Market Model was used to analyze the following scenarios with a 250 MW CCCT coming on-line in 2012 and 2013:

- Base Case – Includes the updated load forecast and all resources as presented in the 2008 IRP Update
- Low Hydro – Idaho Power's hydro generation was reduced to 70th percentile conditions and other Pacific Northwest hydro was reduced 20%
- No Transmission Upgrade – This scenario examined the impact of the Hemingway-Boardman transmission project not being available in 2012 as planned
- Low Hydro and No Transmission Upgrade – This scenario included low hydro conditions and the impact of the Hemingway-Boardman transmission project not being available in 2012

For each of the four scenarios modeled, the results indicated it was beneficial to have the resource available in 2012 rather than 2013. A summary of the modeling assumptions and results are presented in Appendix B.

2008 Combined Heat and Power RFP

A combined heat and power (CHP) project burns natural gas in a combustion turbine to generate electricity and then uses the exhaust heat from the turbine to generate steam for an industrial process. CHP projects typically result in a higher overall efficiency when compared to burning natural gas solely to create steam for an industrial process.

The 2006 IRP included 50 MW of CHP in 2010. Idaho Power is in the process of working with industrial customers to gauge the level of interest in new CHP projects. Major account representatives are using a specification sheet to guide their discussions with Idaho Power's industrial customers and depending on the level of interest, Idaho Power may issue an RFP later in 2008.

6. TRANSMISSION RESOURCES

Idaho Power's transmission system is a key element serving the needs of Idaho Power's retail customers. Idaho Power relies on regional markets to supply a significant portion of energy and capacity. Idaho Power is especially dependent on the regional markets during peak periods. Reliance on regional markets has benefited Idaho Power customers during times of low prices because the costs of purchases, the revenue from surplus sales, and fuel expenses are shared with customers through the Power Cost Adjustment (PCA) mechanism. The following sections provide an update on transmission related activities since the 2006 IRP was published.

Northern Tier Transmission Group

The Northern Tier Transmission Group (NTTG) was formed in early 2007 with an overall goal of improving the operation and expansion of the high-voltage transmission system that delivers power to consumers in seven western states. In addition to Idaho Power, other members include Deseret Power Electric Cooperative, NorthWestern Energy, Rocky Mountain Power/PacifiCorp and the Utah Associated Municipal Power Systems (UAMPS).

NTTG will address and coordinate regional transmission use and planning using working groups that are guided by a steering committee of transmission owner executives and state regulators. The working groups are designed around three primary objectives: 1) improving available transmission capacity, 2) expediting the planning for transmission grid expansion, and 3) collaborating on control area operations. For each of the three objectives, NTTG has encouraged participation and solicited input from stakeholders including transmission owners, customers, and state regulators. Through a coordinated and collaborative planning and implementation process, NTTG is working to maintain a robust transmission system that supports an efficient regional electricity market.

Transmission Project Status

The 2006 IRP described five regional-scale transmission projects that were included in the resource planning process. The following projects were included in the 2006 IRP as the most viable transmission alternatives.

- McNary (Columbia River) to the Locust Substation (Boise) via Brownlee
- Lolo (Lewiston area) to Oxbow
- Bridger, Wyoming to the Boise Bench Substation via the Midpoint Substation
- Garrison or Townsend, Montana to the Boise Bench Substation via the Midpoint Substation
- White Pine, Nevada to the Boise Bench Substation via the Midpoint Substation

Since the completion of the 2006 IRP, Idaho Power has announced plans for construction of two regional-scale transmission projects. The Hemingway-Boardman project (McNary to Locust) extends from northeastern Oregon to the Boise area, and the Gateway West project (Bridger, Wyoming to Boise Bench) extends from central Wyoming to the Boise area. The Hemingway-Boardman and the Gateway West projects have both been identified as "fast track" projects by NTTG because both projects provide considerable benefits to the regional transmission system.

NTTG has also identified NorthWestern Energy's proposed 500-kV Mountain States Transmission Intertie (MSTI) between southwestern Montana and Idaho Power's

Borah or Midpoint substations as a beneficial project. The MSTI project is similar to the Garrison-Townsend alternative discussed in the 2006 IRP. NorthWestern Energy expects the MSTI line to be placed in service in 2013.

Expansion of other regional transmission resources includes PacifiCorp's plan for a 500-kV line between the Hemingway substation in Boise and the Bonneville Power Administration's Captain Jack substation in southern Oregon. PacifiCorp anticipates an in-service date of 2014 for the Hemingway to Captain Jack project. All of the transmission projects reflect a collaborative, regional-scale effort by NTTG to upgrade the region's transmission resources in the face of continuing population growth and the corresponding growth in the demand for electricity. The following sections provide additional details on the transmission projects Idaho Power is either currently working on or has completed since the 2006 IRP was published.

Borah-West Upgrade

The 2006 IRP discussed ongoing construction to upgrade the existing Borah-West path. The transmission improvements to the Borah-West path were initially identified in the 2004 IRP and have been completed and were placed in service in June 2007. Completion of the upgrade has resulted in a 250 MW increase in the east-to-west transfer capacity of the Borah-West path which increases the path rating to 2,557 MW. As discussed in the 2006 IRP, the Borah-West improvements are critical to serve load growth in the Boise area from any new generation sited on the east side of Idaho Power's service area.

Hemingway-Boardman Project

Consistent with Idaho Power's 2006 IRP and the requirements of other transmission customers, Idaho Power is exploring alternatives for the construction of a 500-kV line between southwestern Idaho and the Pacific Northwest. Several electric utilities, including Idaho Power, have proposed development of a transmission substation near Boardman, Oregon, which would serve as the northwest terminal of the project. The Idaho terminal would be the proposed Hemingway substation located south of Boise on the south side of the Snake River between the towns of Melba and Murphy. Idaho Power and a number of other utilities with proposed regional transmission projects in the Northwest have signed a letter agreeing to coordinate technical studies. The technical studies and other planning and project management activities have begun and the Hemingway-Boardman transmission line could be in service as early as 2012.

Gateway West Project

Idaho Power and PacifiCorp are jointly exploring the Gateway West Project to build two 500-kV lines between the Jim Bridger plant in Wyoming and Boise. The lines would be designed to increase electrical transmission capacity across southern Idaho in response to increasing customer energy demand. The Gateway West project has been submitted to the Western Electricity Coordinating Council (WECC) for the initial phases of the ratings process. A review team has been established from members of the WECC to analyze the effects of the project on the existing transmission system. When the study is complete, necessary modifications will be made to the engineering design and the final rating will be obtained prior to the beginning of construction.

Planning and project management personnel from both Idaho Power and PacifiCorp have begun the initial work on the Gateway West project. Idaho Power expects that the majority of the project will be completed between 2012 and 2014, depending on the amount of time required for right-of-way acquisition, siting and permitting activities.

7. Resource Portfolio and Action Plan Update

Over the past 90 years, Idaho Power has developed a blended portfolio of generation resources. Idaho Power believes a portfolio of diverse generation resources is the most cost effective and lowest risk method to address the increasing energy demands of its customers.

New customer growth is the primary driver behind Idaho Power's need for the additional resources identified in the 2006 IRP. Population growth throughout southern Idaho and specifically, in the Treasure Valley, requires that Idaho Power acquire new resources to meet both the peak-hour and average energy needs of its customers.

New supply-side generation resources, demand-side programs and increasing the transmission capacity to the Pacific Northwest are the likely alternatives Idaho Power will use to meet the increasing energy demands of its customers. Idaho Power's customers have expressed a desire for a balanced resource portfolio containing resources that are financially, environmentally, and socially responsible. Renewable energy and demand-side programs are significant components of the resource portfolio selected in the 2006 IRP and will continue to be part of Idaho Power's balanced approach to resource planning.

Average Energy Load and Resource Balance

Average energy surpluses and deficiencies are determined using 70th percentile water and 70th percentile average load conditions, coupled with Idaho Power's ability to import energy from firm market purchases using reserved network capacity. Figure 7 shows the updated monthly average energy surpluses and deficits accounting for the updated sales and load forecast, forecast DSM program performance, adjustments to the hydro generation forecast, the current level of PURPA development, and changes in the timing and capacity of other near-term resources identified in the 2006 IRP.

Figure 8 shows the surpluses and deficits after accounting for the IRP resources, including the new baseload resource in 2012. As shown in Figure 8, energy deficits of approximately 400 aMW exist in July of 2009-2011 and are not alleviated until the 2012 baseload resource and the Hemingway-Boardman project are added in 2012. The Aurora Electric Market Model analysis discussed on page 25 and summarized in Appendix B indicates there is an economic benefit of adding a CCCT resource in 2012 as opposed to 2013. Based on the deficits in Figure 8, the need for this resource exists prior to 2012, but the minimum time required for the RFP process, permitting and construction make it improbable to complete prior to 2012. Additional details on the average energy load and resource balance are included in Appendix C.

Peak-Hour Load and Resource Balance

Peak-hour load deficiencies are determined using 90th percentile water and 95th percentile peak-hour load conditions, coupled with Idaho Power's ability to import additional energy on its transmission system to reduce any deficits. In addition to these criteria, 70th percentile average load conditions are assumed, but the hydrologic, peak-hour load, and transmission constraint criteria are the major factors in determining the peak-hour load deficiencies. Peak-hour load planning criteria are more stringent than average energy criteria because Idaho Power's ability to import additional energy is typically limited during peak-hour load periods.

Figure 9 shows the updated monthly peak-hour deficits accounting for the updated sales and load forecast, forecast DSM program performance, adjustments to the hydro generation forecast, the current level of PURPA development, and changes in the timing and capacity of other near-term resources identified

Figure 7. Monthly Average Energy Surplus/Deficits with Existing Resources (70th Percentile Water and 70th Percentile Average Load)

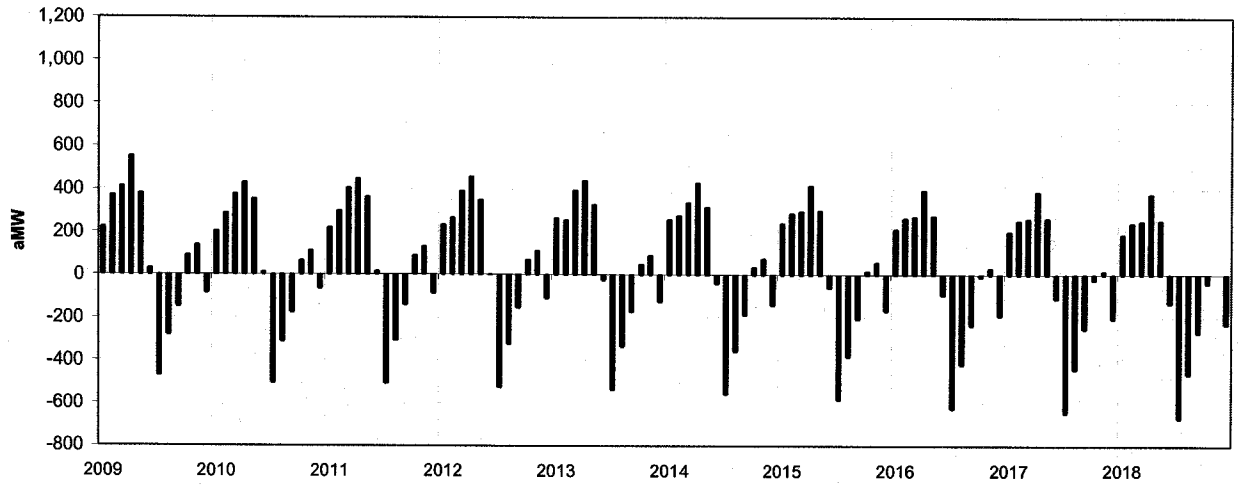


Figure 8. Monthly Average Energy Surplus/Deficits with Existing and IRP Resources (70th Percentile Water and 70th Percentile Average Load)

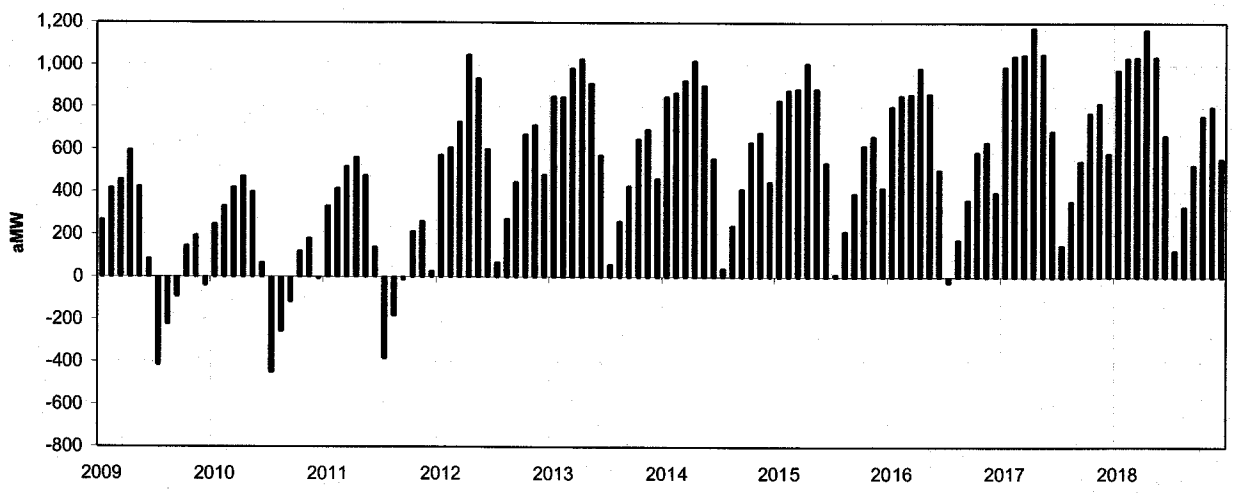


Figure 9. Monthly Peak-Hour Deficits with Existing Resources (90th Percentile Water and 95th Percentile Peak-Hour Load)

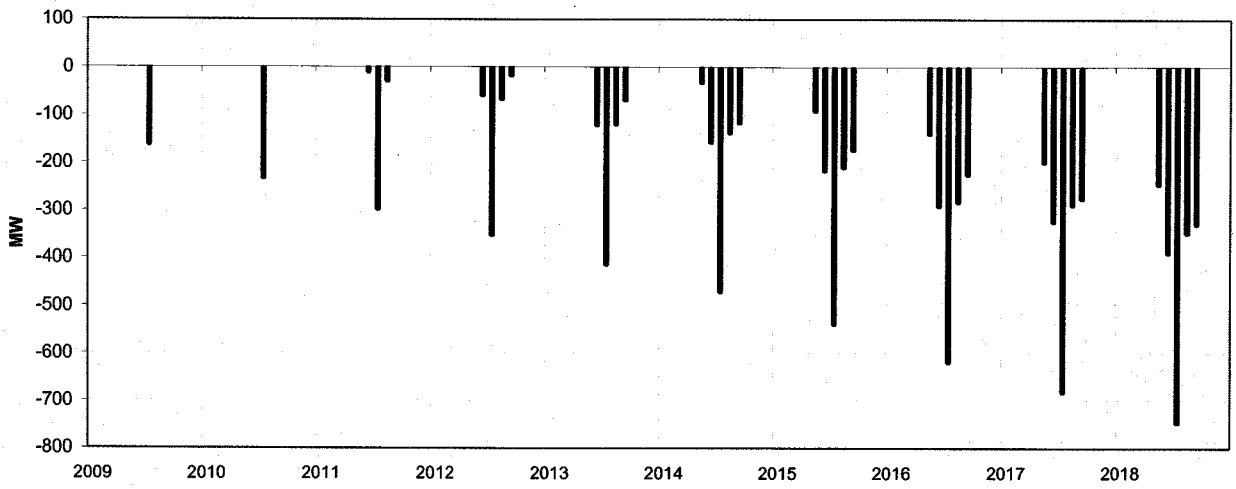
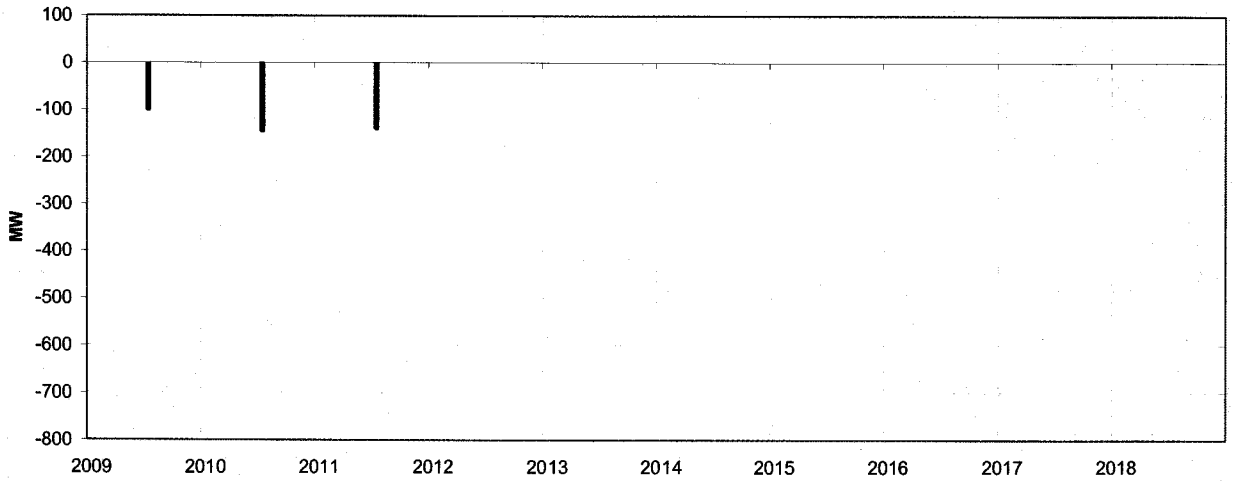


Figure 10 Monthly Peak-Hour Deficits with Existing and IRP Resources (90th Percentile Water and 95th Percentile Peak-Hour Load)



in the 2006 IRP. Figure 10 shows the remaining deficits after adding the IRP resources, including the new baseload resource in 2012. Similar to the deficits shown for average energy, the peak-hour analysis shows deficits of approximately 150 MW in the near-term, but it would not be possible to complete the 2012 baseload RFP process, design, permit and construct a new resource prior to 2012. Additional details on the peak-hour load and resource balance are included in Appendix C

Planning Reserve Margin

Idaho Power's future resource requirements are not based directly on the need to meet a specified reserve margin. Idaho Power's long-term resource planning is instead driven by the objective to develop resources sufficient to meet higher than expected load conditions, under lower than expected water conditions, which effectively provides a reserve margin. As part of preparing the 2008 IRP Update, Idaho Power has calculated the capacity reserve margin resulting from changes in the load forecast and existing and planned resource development.

Table 9 presents the capacity reserve margin calculations which include using the 50th percentile peak-hour load forecast and 50th percentile hydro conditions. Table 9 also shows three transmission resources: Red Butte-Borah/Brady (75 MW), Pacific Northwest (115 MW) and the proposed Hemingway-Boardman project (225 MW). The 115 MW from the Pacific Northwest is based on network set-asides for July of 2009 and is assumed for all years through 2018. While Idaho Power does not currently have long-term firm purchases in place to utilize all of this import capability in all future years, it is assumed this capacity will be utilized for market purchases. The calculations presented in Table 9 show the planning reserve margin calculated with and without utilizing this transmission import capability.

The planning reserve margin for 2009 -2011, assuming firm market purchases, ranges from 3.5% to 4.6%. In 2012, this margin increases to 17.3% with the addition of the 2012 baseload resource and the Hemingway-Boardman transmission line. While the planning reserve margin increases substantially in 2012, Idaho Power feels it is still marginal given the manner of day-to-day uses of this margin for operating reserves, forced outages and de-ratings, higher than anticipated loads and delays in anticipated resource development.

Action Plan Update and Portfolio Comparison

The near-term action plan presented in the 2006 IRP proposed a schedule of events associated with implementing the preferred resource portfolio. Resource action plans are expected to be flexible to accommodate the uncertainty associated with acquiring resources through an RFP process, and the uncertainty associated with developing resources in cooperation with other utilities. Idaho Power has deviated from the action plan, as necessary, to achieve the goal of acquiring sufficient resources to reliably serve the growing demand for energy within Idaho Power's service area while continuing to balance cost, risk, reliability, and environmental concerns. An updated near-term action plan is presented in Table 10 and a comparison of the preferred portfolio from the 2006 IRP and the updated portfolio is shown in Table 11.

Table 9. Capacity Planning Margin Summary

2006 IRP	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Peak-Hour Load Forecast (50th Percentile Load)	-3,182	-3,248	-3,308	-3,367	-3,439	-3,511	-3,589	-3,667	-3,747	-3,828
Existing Resources										
Coal	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024	1,024
Hydro (50th%) - HCC	1,153	1,153	1,153	1,153	1,153	1,153	1,153	1,153	1,153	1,153
Hydro (50th%) - ROR	350	350	365	365	365	365	365	365	365	365
CSPP (including wind)	159	153	150	150	150	142	141	141	141	141
PPL MT	80	80	80	80	80	80	80	80	80	80
Peakers	416	416	416	416	416	416	416	416	416	416
Salmon Diesel	5	5	5	5	5	5	5	5	5	5
Subtotal	**3,187**	**3,181**	**3,193**	**3,193**	**3,193**	**3,185**	**3,184**	**3,184**	**3,184**	**3,184**
Transmission Resources										
Red Butte-Borah/Brady	75	75	75	75	75	75	75	75	75	75
Pacific NW (Native Load Setasides)	115	115	115	115	115	115	115	115	115	115
Hemingway-Boardman (2012)	0	0	0	225	225	225	225	225	225	225
Subtotal	**190**	**190**	**190**	**415**	**415**	**415**	**415**	**415**	**415**	**415**
IRP Resources										
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50
2010 CHP	0	50	50	50	50	50	50	50	50	50
2012 IRP Wind	0	0	0	8	8	8	8	8	8	8
2013 Coal	0	0	0	0	250	250	250	250	250	250
2017 IGCC	0	0	0	0	0	0	0	0	250	250
2006 IRP DSM	45	71	92	110	127	141	152	163	165	168
Subtotal	**100**	**176**	**197**	**223**	**489**	**503**	**515**	**525**	**778**	**780**
Planning Margin w/o Transmission Resources										
Net Position	**105**	**109**	**82**	**49**	**243**	**177**	**110**	**42**	**215**	**136**
Planning Margin	**3.3%**	**3.3%**	**2.5%**	**1.4%**	**7.1%**	**5.0%**	**3.1%**	**1.1%**	**5.7%**	**3.6%**
Planning Margin w/Assumed Firm Market Purchases										
Net Position	**295**	**299**	**272**	**464**	**658**	**592**	**525**	**457**	**630**	**551**
Planning Margin	**9.3%**	**9.2%**	**8.2%**	**13.8%**	**19.1%**	**16.9%**	**14.6%**	**12.5%**	**16.8%**	**14.4%**
2008 IRP Update	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**
Peak-Hour Load Forecast Change (50th Percentile Load)	-11	-3	-5	12	30	57	83	95	127	156
Updated Peak-Hour Load Forecast (50% Load)	-3,193	-3,252	-3,313	-3,356	-3,409	-3,454	-3,506	-3,572	-3,620	-3,672
Changes to Existing Resources										
Shoshone Falls	0	0	-15	-15	0	0	0	0	0	0
Shift in Fish Water Releases	-61	-61	-61	-61	-75	-75	-75	-75	-75	-75
Updated CSPP Forecast (3/21/08)	-38	-32	-23	-23	-23	-15	-14	-14	-14	-14
Subtotal	**-99**	**-93**	**-99**	**-99**	**-98**	**-90**	**-89**	**-89**	**-89**	**-89**
Changes to IRP Resources										
2009 Geothermal - Adjust Timing	-37	-37	-37	-37	0	0	0	0	0	0
2010 CHP - Remove	0	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	0	0	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	0	0	0	-8	-8	-8	-8	-8	-8	-8
2012 CCCT - Add	0	0	0	250	250	250	250	250	250	250
2013 Coal - Remove	0	0	0	0	-250	-250	-250	-250	-250	-250
Subtotal	**-37**	**-87**	**-37**	**206**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**
Planning Margin w/o Transmission Resources										
Net Position	**-42**	**-75**	**-59**	**166**	**168**	**137**	**96**	**41**	**245**	**196**
Planning Margin	**-1.3%**	**-2.3%**	**-1.8%**	**5.0%**	**4.9%**	**4.0%**	**2.7%**	**1.1%**	**6.8%**	**5.3%**
Planning Margin w/Assumed Firm Market Purchases										
Net Position	**148**	**115**	**131**	**581**	**583**	**552**	**511**	**456**	**660**	**611**
Planning Margin	**4.6%**	**3.5%**	**4.0%**	**17.3%**	**17.1%**	**16.0%**	**14.6%**	**12.8%**	**18.2%**	**16.7%**

Table 10. Updated Near-Term Action Plan through 2010

Activity	
2008	***2009***
1. January - Issue RFP for 50-100 MW of geothermal energy.	1. Conclude the 2012 Baseload Resource RFP process.
2. March – 170 MW Danskin expansion on-line.	2. Continue DSM implementation plans with guidance from the EEAG.
3. March – Prepare and submit the 2007 Demand-Side Management Annual Report.	3. Continue working with industrial customers on CHP development opportunities.
4. April - Solicit expressions of interest from industrial customers for CHP development.	4. Complete the 2009 IRP and submit to the Idaho and Oregon Commissions in June 2009.
5. April - Issue 2012 Baseload Resource RFP.	5. Make final commitments on 225 MW Hemingway-Boardman Transmission Project.
6. June – Submit 2008 IRP Update to the Idaho and Oregon Commissions.	6. Make final commitments on 500 kV Gateway West Transmission Project.
7. July – Begin the 2009 IRP process with the IRP Advisory Council.	7. Activities associated with the 2012 Baseload Resource RFP depending on the outcome of the RFP process.
8. September – Announce successful bidder(s) in the geothermal RFP process.	***2010***
9. October – Bids due for the 2012 Baseload Resource RFP.	1. Continue DSM implementation plans with guidance from the EEAG.
	2. Issue RFP for wind generation depending on current level of PURPA wind development.

Table 11. 2006 IRP Preferred Portfolio and Updated Portfolio

2006 IRP Preferred Portfolio			Updated Portfolio		
Year	**Resource**	**MW**	**Year**	**Resource**	**MW**
2008	Wind (2005 RFP)	100	2008	Wind (2005 RFP)[1]	100
2009	Geothermal (2006 RFP)	50	2009	Geothermal (2006 RFP)[2]	50
2010	CHP	50	2010	CHP (2008 Solicitation)[3]	50
			2011	Geothermal (2008 RFP)[4]	50
2012	Wind	150	2012	Wind[5]	150
2012	Transmission McNary–Boise	225	2012	Trans. Hemingway-Boardman[6]	225
			2012	Southwest Idaho CCCT[7]	250
2013	Wyoming Pulverized Coal[7]	250			
2017	Regional IGCC Coal	250	2017	Regional IGCC Coal	250
2019	Transmission Lolo–IPC	60	2019	Transmission Lolo–IPC	60
2020	CHP	100	2020	CHP	100
2021	Geothermal	50	2021	Geothermal	50
2022	Geothermal	50	2022	Geothermal	50
2023	INL Nuclear	250	2023	INL Nuclear	250
	Total Nameplate	**1,585**		**Total Nameplate**	**1,635**

1 Horizon Wind Energy Contract (100.65 MW) - Elkhorn Valley Wind Project (on-line December 2007).

2 U.S. Geothermal Contract (45.5 MW) - Raft River #1 (13 MW on-line October 2007), Raft River #3 (6.5 MW) and Neal Hot Springs #1 (13 MW) and #2 (13 MW) are under development.

3 In April 2008, Idaho Power began soliciting industrial customers within its service area for expressions of interest in the development of combined heat and power projects at existing industrial facilities. Depending on the level of interest, a formal RFP may be issued in late 2008.

4 An RFP for 50 to 100 MW of geothermal energy was released in January 2008 to offset deficits resulting from PURPA contract terminations.

5 Actual quantity will depend on level of PURPA wind development.

6 Project was renamed once actual termination points were identified.

7 Due to escalating construction costs and continued uncertainty surrounding future GHG laws and regulations, Idaho Power has shifted its focus from a conventional coal-fired resource to the development of a combined-cycle, natural gas resource located closer to its load center in southern Idaho.

8. SUMMARY

The Idaho PUC and the Oregon PUC both asked Idaho Power to file an IRP update and the company believes the 2008 Integrated Resource Plan Update meets the requirements of Idaho Order 303017 and Oregon Order 07-002 by addressing the following:

- Describe the actions that Idaho Power has taken to implement the 2006 IRP.
- Provide an assessment of what has changed since the 2006 IRP was filed in the fall of 2006. In the 2008 IRP Update, Idaho Power has discussed various resource issues including load, resource contracts, supply-side resource additions and plans, demand-side program implementation and performance, and transmission resource projects and plans.
- Explain deviations and changes that have occurred since the 2006 IRP was filed in 2006.

One of the key strengths of Idaho Power's planning process is that the IRP is updated on a regular basis. Frequent planning and review allows Idaho Power, the Idaho and Oregon utility commissions, and concerned customers, including the IRP Advisory Council, to revisit the resource plan and make periodic adjustments and corrections to reflect changes in technology, economic conditions, and regulatory requirements. During the period between resource plan filings, the public and regulatory oversight of the activities identified in the near-term action plan allows for discussion and adjustment of the IRP as warranted.

2009 Integrated Resource Plan

Initial work on Idaho Power's 2009 IRP has already begun and many of the issues outlined in this update will form the foundation for the 2009 IRP. Idaho Power is planning to hold the first 2009 IRP Advisory Council meeting in mid-year 2008. The first meeting will be an educational session which will be followed by regular monthly meetings starting in the fall and continuing through the winter. Idaho Power anticipates having a draft version of the 2009 IRP available in the spring and expects to file the resource plan with the Idaho and Oregon utility commissions in June 2009.

Coordination with Other Idaho Electric Utilities

In April 2007, Idaho Power requested a one-year delay in the filing of its next IRP until June 2009 to coordinate the filing with Avista and PacifiCorp's Integrated Resource Plans. The Idaho PUC accepted the one-year IRP filing delay in Order 30317 issued on May 23, 2007.

The adjusted filing schedule will provide an opportunity for Idaho Power, Avista and PacifiCorp to explore possibilities for the joint development of supply-side resources and transmission projects. Idaho Power plans to participate in Avista and PacifiCorp's resource planning process and will invite representatives from each utility to attend Idaho Power's IRP Advisory Council meetings.

Appendix A

Sales and Load Forecast Data

Expected Case Average Forecast Annual Growth Rates (%)

	2008–2013	2008–2018	2008–2027
Sales			
Residential Sales	1.5	1.2	1.4
Commercial Sales	1.9	1.5	1.8
Irrigation Sales	-0.2	-0.1	0.0
Industrial Sales	1.9	1.7	1.8
Additional Firm Sales	4.7	2.2	1.0
Firm Sales	1.7	1.3	1.4
System Sales	1.7	1.3	1.4
Total Sales	1.7	1.3	1.4
Loads			
Residential Load	1.4	1.2	1.4
Commercial Load	1.9	1.5	1.8
Irrigation Load	-0.1	-0.1	0.0
Industrial Load	2.0	1.7	1.8
Additional Firm Sales	4.7	2.2	1.0
Firm Load Losses	1.7	1.3	1.5
Firm Load	1.7	1.3	1.5
System Load	1.7	1.3	1.5
Total Load	1.7	1.3	1.5
Firm Requirement Load	1.7	1.3	1.5
Peaks			
Firm Peak	1.9	1.7	1.8
System Peak	1.9	1.7	1.8
Total Peak	1.9	1.7	1.8
Firm Requirement Peak	1.9	1.7	1.8
Winter Peak	1.5	0.6	1.3
Summer Peak	1.9	1.7	1.8
Customers			
Residential Customers	2.3	2.2	2.2
Commercial Customers	2.5	2.4	2.3
Irrigation Customers	1.6	1.5	1.4
Industrial Customers	1.4	1.4	1.3

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2008	Feb. 2008	Mar. 2008	Apr. 2008	May. 2008	Jun. 2008	Jul. 2008	Aug. 2008	Sep. 2008	Oct. 2008	Nov. 2008	Dec. 2008
Residential	805	720	620	486	454	508	594	597	489	504	640	820
Commercial	485	465	442	390	409	459	494	498	445	435	454	496
Irrigation	0	0	4	76	238	482	573	457	283	68	2	2
Industrial	276	266	266	260	266	283	277	281	279	284	280	279
Additional Firm	140	137	135	133	132	122	133	131	128	131	135	140
Loss	151	140	128	152	172	185	208	196	159	136	146	170
Firm Load	1,857	1,729	1,596	1,497	1,671	2,038	2,279	2,160	1,783	1,558	1,657	1,906
Light Load	1,717	1,612	1,476	1,349	1,500	1,843	2,043	1,934	1,592	1,395	1,539	1,769
Heavy Load	1,967	1,816	1,690	1,606	1,806	2,195	2,466	2,339	1,936	1,675	1,759	2,014
System Load	1,857	1,729	1,596	1,497	1,671	2,038	2,279	2,160	1,783	1,558	1,657	1,906
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	1,857	1,729	1,596	1,497	1,671	2,038	2,279	2,160	1,783	1,558	1,657	1,906

Peak Load (MW) - 90th Percentile

	Jan. 2008	Feb. 2008	Mar. 2008	Apr. 2008	May. 2008	Jun. 2008	Jul. 2008	Aug. 2008	Sep. 2008	Oct. 2008	Nov. 2008	Dec. 2008
Energy Efficiency (MW)	-12	-12	-11	-12	-18	-25	-30	-28	-22	-15	-12	-12
Demand Response (MW)	0	0	0	0	0	-66	-66	-62	0	0	0	0
Firm Peak Load	2,542	2,411	2,288	1,970	2,733	3,194	3,240	2,986	2,703	2,038	2,347	2,781
System Peak (1 Hour)	2,542	2,411	2,288	1,970	2,733	3,194	3,240	2,986	2,703	2,038	2,347	2,781
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,542	2,411	2,288	1,970	2,733	3,194	3,240	2,986	2,703	2,038	2,347	2,781

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2009	Feb. 2009	Mar. 2009	Apr. 2009	May. 2009	Jun. 2009	Jul. 2009	Aug. 2009	Sep. 2009	Oct. 2009	Nov. 2009	Dec. 2009
Residential	820	732	631	494	461	519	609	612	500	516	654	835
Commercial	494	474	451	398	418	469	506	509	454	444	462	505
Irrigation	0	0	4	76	237	481	572	456	282	67	2	2
Industrial	282	273	273	267	272	290	284	288	286	291	286	285
Additional Firm	155	166	164	163	165	158	173	173	169	172	176	182
Loss	154	144	132	156	177	189	213	202	164	141	151	175
Firm Load	1,906	1,789	1,654	1,554	1,731	2,107	2,357	2,240	1,856	1,630	1,732	1,985
Light Load	1,762	1,668	1,530	1,400	1,554	1,905	2,112	2,006	1,657	1,460	1,609	1,842
Heavy Load	2,020	1,880	1,751	1,666	1,883	2,255	2,550	2,425	2,015	1,753	1,840	2,097
System Load	1,906	1,789	1,654	1,554	1,731	2,107	2,357	2,240	1,856	1,630	1,732	1,985
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	1,906	1,789	1,654	1,554	1,731	2,107	2,357	2,240	1,856	1,630	1,732	1,985

Peak Load (MW) - 90th Percentile

	Jan. 2009	Feb. 2009	Mar. 2009	Apr. 2009	May. 2009	Jun. 2009	Jul. 2009	Aug. 2009	Sep. 2009	Oct. 2009	Nov. 2009	Dec. 2009
Energy Efficiency (MW)	-19	-18	-18	-18	-27	-38	-46	-43	-33	-22	-19	-18
Demand Response (MW)	0	0	0	0	0	-77	-78	-73	0	0	0	0
Firm Peak Load	2,583	2,464	2,339	2,006	2,817	3,281	3,338	3,075	2,792	2,110	2,423	2,867
System Peak (1 Hour)	2,583	2,464	2,339	2,006	2,817	3,281	3,338	3,075	2,792	2,110	2,423	2,867
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,583	2,464	2,339	2,006	2,817	3,281	3,338	3,075	2,792	2,110	2,423	2,867

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2010	Feb. 2010	Mar. 2010	Apr. 2010	May. 2010	Jun. 2010	Jul. 2010	Aug. 2010	Sep. 2010	Oct. 2010	Nov. 2010	Dec. 2010
Residential	832	741	639	499	467	528	621	625	509	525	665	849
Commercial	504	484	461	407	428	481	518	521	465	454	472	515
Irrigation	0	0	4	77	237	480	572	456	282	67	2	2
Industrial	288	279	279	272	278	297	290	295	292	297	293	292
Additional Firm	179	178	174	171	171	162	173	171	167	170	174	179
Loss	158	147	135	159	180	193	217	205	166	143	153	178
Firm Load	1,961	1,829	1,691	1,585	1,760	2,140	2,392	2,273	1,882	1,656	1,759	2,015
Light Load	1,813	1,705	1,564	1,428	1,580	1,935	2,144	2,035	1,680	1,483	1,634	1,870
Heavy Load	2,088	1,922	1,782	1,699	1,915	2,290	2,571	2,460	2,043	1,792	1,859	2,129
System Load	1,961	1,829	1,691	1,585	1,760	2,140	2,392	2,273	1,882	1,656	1,759	2,015
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	1,961	1,829	1,691	1,585	1,760	2,140	2,392	2,273	1,882	1,656	1,759	2,015

Peak Load (MW) - 90th Percentile

	Jan. 2010	Feb. 2010	Mar. 2010	Apr. 2010	May. 2010	Jun. 2010	Jul. 2010	Aug. 2010	Sep. 2010	Oct. 2010	Nov. 2010	Dec. 2010
Energy Efficiency (MW)	-25	-24	-24	-24	-35	-50	-61	-58	-44	-30	-25	-25
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,640	2,499	2,379	2,030	2,874	3,346	3,400	3,140	2,834	2,133	2,453	2,941
System Peak (1 Hour)	2,640	2,499	2,379	2,030	2,874	3,346	3,400	3,140	2,834	2,133	2,453	2,941
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,640	2,499	2,379	2,030	2,874	3,346	3,400	3,140	2,834	2,133	2,453	2,941

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2011	Feb. 2011	Mar. 2011	Apr. 2011	May. 2011	Jun. 2011	Jul. 2011	Aug. 2011	Sep. 2011	Oct. 2011	Nov. 2011	Dec. 2011
Residential	844	751	647	505	473	539	635	639	519	534	677	859
Commercial	513	493	470	415	436	492	529	532	475	463	481	523
Irrigation	0	0	4	77	236	479	571	455	282	66	2	2
Industrial	294	284	284	278	283	302	296	300	298	303	298	297
Additional Firm	181	181	176	174	173	164	175	173	169	165	168	173
Loss	161	149	137	161	183	195	221	209	169	146	156	180
Firm Load	1,993	1,858	1,718	1,609	1,785	2,170	2,427	2,308	1,911	1,678	1,782	2,035
Light Load	1,843	1,733	1,590	1,450	1,602	1,962	2,175	2,066	1,706	1,503	1,656	1,889
Heavy Load	2,123	1,952	1,811	1,725	1,942	2,322	2,644	2,482	2,075	1,816	1,883	2,141
System Load	1,993	1,858	1,718	1,609	1,785	2,170	2,427	2,308	1,911	1,678	1,782	2,035
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	1,993	1,858	1,718	1,609	1,785	2,170	2,427	2,308	1,911	1,678	1,782	2,035

Peak Load (MW) - 90th Percentile

	Jan. 2011	Feb. 2011	Mar. 2011	Apr. 2011	May. 2011	Jun. 2011	Jul. 2011	Aug. 2011	Sep. 2011	Oct. 2011	Nov. 2011	Dec. 2011
Energy Efficiency (MW)	-32	-31	-30	-30	-44	-62	-76	-73	-56	-37	-32	-31
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,682	2,528	2,424	2,062	2,924	3,404	3,464	3,192	2,880	2,152	2,472	2,956
System Peak (1 Hour)	2,682	2,528	2,424	2,062	2,924	3,404	3,464	3,192	2,880	2,152	2,472	2,956
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,682	2,528	2,424	2,062	2,924	3,404	3,464	3,192	2,880	2,152	2,472	2,956

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2012	Feb. 2012	Mar. 2012	Apr. 2012	May. 2012	Jun. 2012	Jul. 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012
Residential	850	755	651	508	476	545	645	649	524	540	684	867
Commercial	520	500	477	421	443	501	538	540	482	471	488	531
Irrigation	0	0	4	77	236	477	570	454	281	66	2	2
Industrial	298	288	288	281	287	306	300	305	302	307	302	301
Additional Firm	172	170	169	167	167	157	169	166	163	165	168	173
Loss	162	150	138	162	184	197	223	211	171	148	157	182
Firm Load	2,002	1,863	1,727	1,615	1,792	2,184	2,445	2,325	1,923	1,697	1,802	2,057
Light Load	1,851	1,737	1,597	1,455	1,609	1,975	2,191	2,082	1,717	1,520	1,674	1,909
Heavy Load	2,121	1,957	1,820	1,743	1,937	2,337	2,663	2,500	2,104	1,824	1,904	2,184
System Load	2,002	1,863	1,727	1,615	1,792	2,184	2,445	2,325	1,923	1,697	1,802	2,057
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,002	1,863	1,727	1,615	1,792	2,184	2,445	2,325	1,923	1,697	1,802	2,057

Peak Load (MW) - 90th Percentile

	Jan. 2012	Feb. 2012	Mar. 2012	Apr. 2012	May. 2012	Jun. 2012	Jul. 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012
Energy Efficiency (MW)	-38	-37	-37	-37	-54	-74	-92	-89	-68	-45	-39	-38
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,687	2,523	2,426	2,058	2,963	3,446	3,510	3,224	2,917	2,169	2,493	2,965
System Peak (1 Hour)	2,687	2,523	2,426	2,058	2,963	3,446	3,510	3,224	2,917	2,169	2,493	2,965
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,687	2,523	2,426	2,058	2,963	3,446	3,510	3,224	2,917	2,169	2,493	2,965

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2013	Feb. 2013	Mar. 2013	Apr. 2013	May. 2013	Jun. 2013	Jul. 2013	Aug. 2013	Sep. 2013	Oct. 2013	Nov. 2013	Dec. 2013
Residential	856	760	655	510	479	551	656	659	531	547	691	874
Commercial	527	507	485	427	450	510	547	549	490	478	495	537
Irrigation	0	0	4	77	235	477	569	454	281	65	2	2
Industrial	303	293	294	287	293	313	306	311	308	313	308	307
Additional Firm	172	172	169	167	167	157	169	166	163	165	168	173
Loss	164	152	140	164	186	200	226	214	173	150	160	184
Firm Load	2,023	1,884	1,746	1,631	1,810	2,208	2,472	2,352	1,946	1,718	1,824	2,078
Light Load	1,870	1,757	1,615	1,470	1,625	1,996	2,215	2,106	1,737	1,539	1,695	1,928
Heavy Load	2,144	1,980	1,848	1,749	1,956	2,377	2,674	2,530	2,128	1,848	1,927	2,206
System Load	2,023	1,884	1,746	1,631	1,810	2,208	2,472	2,352	1,946	1,718	1,824	2,078
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,023	1,884	1,746	1,631	1,810	2,208	2,472	2,352	1,946	1,718	1,824	2,078

Peak Load (MW) - 90th Percentile

	Jan. 2013	Feb. 2013	Mar. 2013	Apr. 2013	May. 2013	Jun. 2013	Jul. 2013	Aug. 2013	Sep. 2013	Oct. 2013	Nov. 2013	Dec. 2013
Energy Efficiency (MW)	-45	-44	-43	-43	-63	-87	-107	-104	-79	-53	-45	-44
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,703	2,536	2,439	2,060	3,010	3,502	3,567	3,276	2,960	2,189	2,516	2,995
System Peak (1 Hour)	2,703	2,536	2,439	2,060	3,010	3,502	3,567	3,276	2,960	2,189	2,516	2,995
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,703	2,536	2,439	2,060	3,010	3,502	3,567	3,276	2,960	2,189	2,516	2,995

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2014	Feb. 2014	Mar. 2014	Apr. 2014	May. 2014	Jun. 2014	Jul. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014
Residential	860	761	657	511	480	556	664	667	536	551	695	879
Commercial	532	512	490	432	456	517	554	555	496	484	500	542
Irrigation	0	0	4	76	234	474	566	452	279	65	2	2
Industrial	307	297	297	290	297	317	309	315	312	317	312	311
Additional Firm	172	172	168	166	166	157	169	166	163	165	168	173
Loss	165	152	141	165	187	201	228	216	175	151	161	186
Firm Load	2,036	1,895	1,757	1,640	1,820	2,222	2,490	2,371	1,960	1,733	1,838	2,092
Light Load	1,882	1,767	1,626	1,478	1,633	2,009	2,231	2,123	1,750	1,552	1,708	1,942
Heavy Load	2,157	1,991	1,861	1,759	1,966	2,393	2,693	2,567	2,128	1,863	1,953	2,211
System Load	2,036	1,895	1,757	1,640	1,820	2,222	2,490	2,371	1,960	1,733	1,838	2,092
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,036	1,895	1,757	1,640	1,820	2,222	2,490	2,371	1,960	1,733	1,838	2,092

Peak Load (MW) - 90th Percentile

	Jan. 2014	Feb. 2014	Mar. 2014	Apr. 2014	May. 2014	Jun. 2014	Jul. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014
Energy Efficiency (MW)	-52	-51	-49	-50	-71	-98	-123	-118	-91	-60	-52	-51
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,717	2,543	2,452	2,067	3,054	3,532	3,615	3,283	3,004	2,202	2,531	2,924
System Peak (1 Hour)	2,717	2,543	2,452	2,067	3,054	3,532	3,615	3,283	3,004	2,202	2,531	2,924
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,717	2,543	2,452	2,067	3,054	3,532	3,615	3,283	3,004	2,202	2,531	2,924

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2015	Feb. 2015	Mar. 2015	Apr. 2015	May. 2015	Jun. 2015	Jul. 2015	Aug. 2015	Sep. 2015	Oct. 2015	Nov. 2015	Dec. 2015
Residential	863	763	659	511	481	562	673	676	541	555	701	890
Commercial	537	517	495	436	461	524	561	562	502	490	505	549
Irrigation	0	0	4	77	234	475	567	452	280	65	2	2
Industrial	313	302	303	295	302	322	315	321	317	323	318	317
Additional Firm	172	172	168	166	166	157	169	166	163	165	168	173
Loss	166	153	142	166	189	203	230	218	176	153	162	188
Firm Load	2,051	1,908	1,770	1,652	1,834	2,243	2,515	2,396	1,979	1,750	1,856	2,119
Light Load	1,896	1,779	1,638	1,489	1,646	2,028	2,254	2,145	1,767	1,568	1,724	1,966
Heavy Load	2,173	2,004	1,875	1,772	1,995	2,400	2,721	2,594	2,149	1,882	1,971	2,239
System Load	2,051	1,908	1,770	1,652	1,834	2,243	2,515	2,396	1,979	1,750	1,856	2,119
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,051	1,908	1,770	1,652	1,834	2,243	2,515	2,396	1,979	1,750	1,856	2,119

Peak Load (MW) - 90th Percentile

	Jan. 2015	Feb. 2015	Mar. 2015	Apr. 2015	May. 2015	Jun. 2015	Jul. 2015	Aug. 2015	Sep. 2015	Oct. 2015	Nov. 2015	Dec. 2015
Energy Efficiency (MW)	-58	-57	-55	-56	-78	-108	-135	-130	-100	-66	-58	-57
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,709	2,536	2,426	2,035	3,102	3,590	3,671	3,339	3,049	2,219	2,549	2,974
System Peak (1 Hour)	2,709	2,536	2,426	2,035	3,102	3,590	3,671	3,339	3,049	2,219	2,549	2,974
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,709	2,536	2,426	2,035	3,102	3,590	3,671	3,339	3,049	2,219	2,549	2,974

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2016	Feb. 2016	Mar. 2016	Apr. 2016	May. 2016	Jun. 2016	Jul. 2016	Aug. 2016	Sep. 2016	Oct. 2016	Nov. 2016	Dec. 2016
Residential	875	772	667	517	488	574	689	693	552	566	712	899
Commercial	547	526	505	445	471	535	574	574	512	500	515	556
Irrigation	0	0	4	77	234	476	569	453	280	65	2	2
Industrial	317	307	307	300	307	327	320	326	322	328	322	322
Additional Firm	172	170	168	166	166	157	169	166	163	165	168	173
Loss	168	155	144	169	192	206	234	222	179	155	165	190
Firm Load	2,080	1,931	1,795	1,673	1,858	2,275	2,554	2,434	2,009	1,779	1,884	2,142
Light Load	1,922	1,801	1,661	1,508	1,668	2,057	2,289	2,180	1,794	1,593	1,751	1,988
Heavy Load	2,215	2,028	1,892	1,794	2,021	2,434	2,782	2,618	2,181	1,925	1,991	2,253
System Load	2,080	1,931	1,795	1,673	1,858	2,275	2,554	2,434	2,009	1,779	1,884	2,142
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,080	1,931	1,795	1,673	1,858	2,275	2,554	2,434	2,009	1,779	1,884	2,142

Peak Load (MW) - 90th Percentile

	Jan. 2016	Feb. 2016	Mar. 2016	Apr. 2016	May. 2016	Jun. 2016	Jul. 2016	Aug. 2016	Sep. 2016	Oct. 2016	Nov. 2016	Dec. 2016
Energy Efficiency (MW)	-64	-62	-61	-61	-85	-117	-146	-142	-109	-72	-64	-63
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,743	2,551	2,461	2,057	3,153	3,656	3,740	3,404	3,096	2,246	2,579	3,019
System Peak (1 Hour)	2,743	2,551	2,461	2,057	3,153	3,656	3,740	3,404	3,096	2,246	2,579	3,019
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,743	2,551	2,461	2,057	3,153	3,656	3,740	3,404	3,096	2,246	2,579	3,019

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2017	Feb. 2017	Mar. 2017	Apr. 2017	May. 2017	Jun. 2017	Jul. 2017	Aug. 2017	Sep. 2017	Oct. 2017	Nov. 2017	Dec. 2017
Residential	879	774	669	518	490	579	699	704	558	571	717	905
Commercial	551	531	510	449	476	542	581	580	518	505	519	559
Irrigation	0	0	4	76	234	474	567	452	279	65	2	2
Industrial	321	311	311	304	311	331	324	330	326	332	327	326
Additional Firm	171	171	168	166	166	157	168	166	162	164	168	172
Loss	169	156	145	170	193	208	236	224	181	157	166	191
Firm Load	2,092	1,944	1,806	1,683	1,868	2,291	2,575	2,455	2,025	1,793	1,899	2,156
Light Load	1,934	1,812	1,671	1,516	1,677	2,072	2,307	2,198	1,808	1,607	1,764	2,001
Heavy Load	2,217	2,042	1,904	1,816	2,019	2,452	2,805	2,640	2,198	1,941	2,007	2,290
System Load	2,092	1,944	1,806	1,683	1,868	2,291	2,575	2,455	2,025	1,793	1,899	2,156
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,092	1,944	1,806	1,683	1,868	2,291	2,575	2,455	2,025	1,793	1,899	2,156

Peak Load (MW) - 90th Percentile

	Jan. 2017	Feb. 2017	Mar. 2017	Apr. 2017	May. 2017	Jun. 2017	Jul. 2017	Aug. 2017	Sep. 2017	Oct. 2017	Nov. 2017	Dec. 2017
Energy Efficiency (MW)	-70	-68	-67	-67	-92	-126	-157	-154	-119	-79	-70	-69
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,760	2,568	2,478	2,070	3,199	3,681	3,792	3,401	3,141	2,260	2,595	2,916
System Peak (1 Hour)	2,760	2,568	2,478	2,070	3,199	3,681	3,792	3,401	3,141	2,260	2,595	2,916
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,760	2,568	2,478	2,070	3,199	3,681	3,792	3,401	3,141	2,260	2,595	2,916

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2018	Feb. 2018	Mar. 2018	Apr. 2018	May. 2018	Jun. 2018	Jul. 2018	Aug. 2018	Sep. 2018	Oct. 2018	Nov. 2018	Dec. 2018
Residential	882	776	671	519	492	585	709	714	564	575	723	915
Commercial	554	534	513	452	479	548	586	585	523	509	522	566
Irrigation	0	0	4	77	234	474	567	452	280	65	2	2
Industrial	327	316	317	309	316	337	329	336	332	337	332	332
Additional Firm	171	171	168	166	166	157	168	166	162	164	168	172
Loss	170	157	146	171	194	210	239	226	182	158	168	194
Firm Load	2,104	1,954	1,818	1,693	1,881	2,311	2,599	2,479	2,043	1,809	1,914	2,180
Light Load	1,945	1,822	1,682	1,525	1,688	2,090	2,329	2,219	1,824	1,620	1,779	2,024
Heavy Load	2,230	2,053	1,916	1,827	2,032	2,473	2,831	2,666	2,234	1,945	2,023	2,315
System Load	2,104	1,954	1,818	1,693	1,881	2,311	2,599	2,479	2,043	1,809	1,914	2,180
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,104	1,954	1,818	1,693	1,881	2,311	2,599	2,479	2,043	1,809	1,914	2,180

Peak Load (MW) - 90th Percentile

	Jan. 2018	Feb. 2018	Mar. 2018	Apr. 2018	May. 2018	Jun. 2018	Jul. 2018	Aug. 2018	Sep. 2018	Oct. 2018	Nov. 2018	Dec. 2018
Energy Efficiency (MW)	-76	-74	-72	-72	-99	-134	-168	-165	-127	-85	-75	-74
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,741	2,552	2,432	2,023	3,246	3,737	3,847	3,452	3,188	2,274	2,611	2,954
System Peak (1 Hour)	2,741	2,552	2,432	2,023	3,246	3,737	3,847	3,452	3,188	2,274	2,611	2,954
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,741	2,552	2,432	2,023	3,246	3,737	3,847	3,452	3,188	2,274	2,611	2,954

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2019	Feb. 2019	Mar. 2019	Apr. 2019	May. 2019	Jun. 2019	Jul. 2019	Aug. 2019	Sep. 2019	Oct. 2019	Nov. 2019	Dec. 2019
Residential	892	784	678	524	497	596	726	730	574	585	734	929
Commercial	563	543	523	461	489	560	599	598	534	519	532	576
Irrigation	0	0	4	77	234	475	568	453	280	65	2	2
Industrial	332	321	322	314	321	343	335	342	337	343	338	337
Additional Firm	171	171	168	166	166	157	168	166	162	164	168	172
Loss	173	159	148	173	197	213	242	230	185	161	170	197
Firm Load	2,132	1,978	1,842	1,713	1,904	2,345	2,638	2,518	2,073	1,837	1,943	2,213
Light Load	1,971	1,845	1,704	1,544	1,709	2,120	2,364	2,255	1,851	1,645	1,805	2,054
Heavy Load	2,258	2,079	1,951	1,837	2,058	2,524	2,854	2,708	2,268	1,975	2,053	2,350
System Load	2,132	1,978	1,842	1,713	1,904	2,345	2,638	2,518	2,073	1,837	1,943	2,213
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,132	1,978	1,842	1,713	1,904	2,345	2,638	2,518	2,073	1,837	1,943	2,213

Peak Load (MW) - 90th Percentile

	Jan. 2019	Feb. 2019	Mar. 2019	Apr. 2019	May. 2019	Jun. 2019	Jul. 2019	Aug. 2019	Sep. 2019	Oct. 2019	Nov. 2019	Dec. 2019
Energy Efficiency (MW)	-82	-79	-78	-78	-106	-142	-179	-175	-136	-91	-81	-80
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,771	2,572	2,461	2,040	3,296	3,804	3,916	3,520	3,235	2,300	2,641	3,014
System Peak (1 Hour)	2,771	2,572	2,461	2,040	3,296	3,804	3,916	3,520	3,235	2,300	2,641	3,014
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,771	2,572	2,461	2,040	3,296	3,804	3,916	3,520	3,235	2,300	2,641	3,014

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2020	Feb. 2020	Mar. 2020	Apr. 2020	May. 2020	Jun. 2020	Jul. 2020	Aug. 2020	Sep. 2020	Oct. 2020	Nov. 2020	Dec. 2020
Residential	905	793	687	529	504	609	744	748	587	596	746	944
Commercial	574	553	534	470	500	574	614	613	545	531	542	587
Irrigation	0	0	4	77	235	476	569	454	281	65	2	2
Industrial	337	326	327	319	327	348	341	348	343	349	344	343
Additional Firm	171	169	168	166	166	157	168	166	162	164	168	172
Loss	175	161	150	175	200	216	247	234	188	164	173	200
Firm Load	2,162	2,004	1,869	1,736	1,931	2,381	2,682	2,562	2,107	1,868	1,975	2,248
Light Load	1,999	1,869	1,729	1,565	1,734	2,152	2,404	2,294	1,881	1,673	1,835	2,086
Heavy Load	2,291	2,104	1,980	1,862	2,101	2,548	2,902	2,774	2,287	2,009	2,097	2,375
System Load	2,162	2,004	1,869	1,736	1,931	2,381	2,682	2,562	2,107	1,868	1,975	2,248
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,162	2,004	1,869	1,736	1,931	2,381	2,682	2,562	2,107	1,868	1,975	2,248

Peak Load (MW) - 90th Percentile

	Jan. 2020	Feb. 2020	Mar. 2020	Apr. 2020	May. 2020	Jun. 2020	Jul. 2020	Aug. 2020	Sep. 2020	Oct. 2020	Nov. 2020	Dec. 2020
Energy Efficiency (MW)	-87	-84	-83	-83	-111	-150	-190	-185	-144	-96	-86	-85
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,808	2,596	2,498	2,065	3,349	3,874	3,990	3,592	3,282	2,330	2,674	3,078
System Peak (1 Hour)	2,808	2,596	2,498	2,065	3,349	3,874	3,990	3,592	3,282	2,330	2,674	3,078
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,808	2,596	2,498	2,065	3,349	3,874	3,990	3,592	3,282	2,330	2,674	3,078

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2021	Feb. 2021	Mar. 2021	Apr. 2021	May. 2021	Jun. 2021	Jul. 2021	Aug. 2021	Sep. 2021	Oct. 2021	Nov. 2021	Dec. 2021
Residential	917	803	696	535	511	622	762	767	600	607	759	960
Commercial	585	564	545	480	512	588	629	627	558	542	553	598
Irrigation	0	0	4	77	235	477	570	455	281	65	2	2
Industrial	344	333	334	325	333	355	347	355	350	356	350	350
Additional Firm	170	171	167	165	165	156	168	165	162	164	167	171
Loss	178	164	152	178	203	220	251	239	192	167	176	203
Firm Load	2,195	2,034	1,897	1,760	1,959	2,418	2,728	2,607	2,142	1,900	2,007	2,284
Light Load	2,029	1,897	1,755	1,586	1,759	2,186	2,445	2,335	1,913	1,702	1,865	2,119
Heavy Load	2,338	2,138	1,999	1,888	2,132	2,588	2,932	2,822	2,326	2,057	2,121	2,413
System Load	2,195	2,034	1,897	1,760	1,959	2,418	2,728	2,607	2,142	1,900	2,007	2,284
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,195	2,034	1,897	1,760	1,959	2,418	2,728	2,607	2,142	1,900	2,007	2,284

Peak Load (MW) - 90th Percentile

	Jan. 2021	Feb. 2021	Mar. 2021	Apr. 2021	May. 2021	Jun. 2021	Jul. 2021	Aug. 2021	Sep. 2021	Oct. 2021	Nov. 2021	Dec. 2021
Energy Efficiency (MW)	-92	-90	-88	-88	-117	-159	-200	-195	-152	-102	-92	-91
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,847	2,623	2,538	2,092	3,402	3,945	4,066	3,664	3,329	2,361	2,708	3,143
System Peak (1 Hour)	2,847	2,623	2,538	2,092	3,402	3,945	4,066	3,664	3,329	2,361	2,708	3,143
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,847	2,623	2,538	2,092	3,402	3,945	4,066	3,664	3,329	2,361	2,708	3,143

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2022	Feb. 2022	Mar. 2022	Apr. 2022	May. 2022	Jun. 2022	Jul. 2022	Aug. 2022	Sep. 2022	Oct. 2022	Nov. 2022	Dec. 2022
Residential	930	813	705	541	518	635	781	787	613	618	772	975
Commercial	596	575	556	490	523	602	646	642	571	555	564	609
Irrigation	0	0	4	77	236	478	572	456	282	65	2	2
Industrial	350	338	339	331	339	361	354	361	355	362	356	356
Additional Firm	170	171	167	165	165	156	168	165	162	164	167	171
Loss	180	166	154	180	206	223	255	243	195	169	179	206
Firm Load	2,227	2,063	1,925	1,785	1,987	2,457	2,775	2,654	2,178	1,933	2,040	2,320
Light Load	2,059	1,924	1,781	1,608	1,784	2,221	2,487	2,376	1,945	1,732	1,896	2,153
Heavy Load	2,372	2,168	2,029	1,914	2,162	2,629	3,023	2,854	2,365	2,092	2,156	2,440
System Load	2,227	2,063	1,925	1,785	1,987	2,457	2,775	2,654	2,178	1,933	2,040	2,320
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,227	2,063	1,925	1,785	1,987	2,457	2,775	2,654	2,178	1,933	2,040	2,320

Peak Load (MW) - 90th Percentile

	Jan. 2022	Feb. 2022	Mar. 2022	Apr. 2022	May. 2022	Jun. 2022	Jul. 2022	Aug. 2022	Sep. 2022	Oct. 2022	Nov. 2022	Dec. 2022
Energy Efficiency (MW)	-97	-95	-94	-93	-123	-167	-210	-206	-160	-107	-97	-96
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,886	2,649	2,578	2,118	3,454	4,016	4,143	3,737	3,376	2,392	2,743	3,208
System Peak (1 Hour)	2,886	2,649	2,578	2,118	3,454	4,016	4,143	3,737	3,376	2,392	2,743	3,208
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,886	2,649	2,578	2,118	3,454	4,016	4,143	3,737	3,376	2,392	2,743	3,208

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2023	Feb. 2023	Mar. 2023	Apr. 2023	May. 2023	Jun. 2023	Jul. 2023	Aug. 2023	Sep. 2023	Oct. 2023	Nov. 2023	Dec. 2023
Residential	942	822	713	547	525	648	801	807	625	629	785	990
Commercial	608	586	568	500	535	618	662	657	585	567	575	621
Irrigation	0	0	4	77	236	479	573	457	283	65	2	2
Industrial	356	344	345	337	345	368	360	367	362	368	362	362
Additional Firm	169	169	166	164	164	155	167	164	161	163	166	170
Loss	183	168	157	183	209	227	260	247	198	172	182	210
Firm Load	2,258	2,090	1,952	1,809	2,014	2,495	2,822	2,699	2,213	1,965	2,073	2,355
Light Load	2,088	1,949	1,806	1,630	1,807	2,255	2,529	2,417	1,976	1,760	1,926	2,186
Heavy Load	2,393	2,196	2,058	1,952	2,176	2,670	3,074	2,903	2,403	2,126	2,190	2,501
System Load	2,258	2,090	1,952	1,809	2,014	2,495	2,822	2,699	2,213	1,965	2,073	2,355
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,258	2,090	1,952	1,809	2,014	2,495	2,822	2,699	2,213	1,965	2,073	2,355

Peak Load (MW) - 90th Percentile

	Jan. 2023	Feb. 2023	Mar. 2023	Apr. 2023	May. 2023	Jun. 2023	Jul. 2023	Aug. 2023	Sep. 2023	Oct. 2023	Nov. 2023	Dec. 2023
Energy Efficiency (MW)	-103	-100	-99	-98	-130	-174	-219	-216	-169	-112	-102	-101
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,923	2,673	2,616	2,144	3,506	4,087	4,220	3,809	3,423	2,422	2,777	3,271
System Peak (1 Hour)	2,923	2,673	2,616	2,144	3,506	4,087	4,220	3,809	3,423	2,422	2,777	3,271
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,923	2,673	2,616	2,144	3,506	4,087	4,220	3,809	3,423	2,422	2,777	3,271

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2024	Feb. 2024	Mar. 2024	Apr. 2024	May. 2024	Jun. 2024	Jul. 2024	Aug. 2024	Sep. 2024	Oct. 2024	Nov. 2024	Dec. 2024
Residential	955	832	722	553	532	661	822	827	638	641	798	1,006
Commercial	619	597	580	511	547	634	678	674	599	580	587	633
Irrigation	0	0	4	77	237	480	574	457	283	66	2	2
Industrial	361	349	351	342	350	374	365	373	367	373	368	368
Additional Firm	169	167	166	164	164	155	167	164	161	163	166	170
Loss	186	171	159	185	212	231	264	252	202	175	185	213
Firm Load	2,290	2,116	1,981	1,833	2,041	2,535	2,869	2,747	2,250	1,997	2,106	2,391
Light Load	2,117	1,973	1,833	1,651	1,832	2,292	2,571	2,459	2,009	1,789	1,957	2,219
Heavy Load	2,426	2,222	2,098	1,965	2,206	2,729	3,104	2,954	2,461	2,147	2,225	2,539
System Load	2,290	2,116	1,981	1,833	2,041	2,535	2,869	2,747	2,250	1,997	2,106	2,391
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,290	2,116	1,981	1,833	2,041	2,535	2,869	2,747	2,250	1,997	2,106	2,391

Peak Load (MW) - 90th Percentile

	Jan. 2024	Feb. 2024	Mar. 2024	Apr. 2024	May. 2024	Jun. 2024	Jul. 2024	Aug. 2024	Sep. 2024	Oct. 2024	Nov. 2024	Dec. 2024
Energy Efficiency (MW)	-108	-105	-102	-102	-135	-181	-229	-225	-176	-118	-106	-105
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,960	2,698	2,656	2,169	3,559	4,160	4,298	3,884	3,471	2,453	2,812	3,335
System Peak (1 Hour)	2,960	2,698	2,656	2,169	3,559	4,160	4,298	3,884	3,471	2,453	2,812	3,335
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,960	2,698	2,656	2,169	3,559	4,160	4,298	3,884	3,471	2,453	2,812	3,335

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2025	Feb. 2025	Mar. 2025	Apr. 2025	May. 2025	Jun. 2025	Jul. 2025	Aug. 2025	Sep. 2025	Oct. 2025	Nov. 2025	Dec. 2025
Residential	967	841	730	559	539	675	842	847	652	652	811	1,022
Commercial	631	609	592	522	560	650	695	691	613	593	599	644
Irrigation	0	0	4	77	237	481	575	458	284	66	2	2
Industrial	368	356	358	348	357	381	372	381	375	381	376	375
Additional Firm	167	168	165	163	163	154	166	163	160	162	164	168
Loss	188	173	161	188	215	234	269	256	205	178	188	216
Firm Load	2,322	2,147	2,010	1,858	2,071	2,576	2,919	2,797	2,288	2,031	2,140	2,428
Light Load	2,147	2,002	1,860	1,674	1,859	2,329	2,616	2,504	2,043	1,819	1,989	2,253
Heavy Load	2,460	2,256	2,129	1,992	2,238	2,773	3,158	3,027	2,484	2,184	2,273	2,565
System Load	2,322	2,147	2,010	1,858	2,071	2,576	2,919	2,797	2,288	2,031	2,140	2,428
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,322	2,147	2,010	1,858	2,071	2,576	2,919	2,797	2,288	2,031	2,140	2,428

Peak Load (MW) - 90th Percentile

	Jan. 2025	Feb. 2025	Mar. 2025	Apr. 2025	May. 2025	Jun. 2025	Jul. 2025	Aug. 2025	Sep. 2025	Oct. 2025	Nov. 2025	Dec. 2025
Energy Efficiency (MW)	-113	-110	-107	-107	-141	-188	-239	-234	-184	-123	-111	-111
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,999	2,725	2,697	2,196	3,612	4,233	4,378	3,960	3,517	2,485	2,849	3,400
System Peak (1 Hour)	2,999	2,725	2,697	2,196	3,612	4,233	4,378	3,960	3,517	2,485	2,849	3,400
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,999	2,725	2,697	2,196	3,612	4,233	4,378	3,960	3,517	2,485	2,849	3,400

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2026	Feb. 2026	Mar. 2026	Apr. 2026	May. 2026	Jun. 2026	Jul. 2026	Aug. 2026	Sep. 2026	Oct. 2026	Nov. 2026	Dec. 2026
Residential	980	851	739	565	547	690	865	870	667	664	825	1,038
Commercial	643	621	605	533	573	666	714	709	628	606	611	656
Irrigation	0	0	4	78	238	482	576	459	284	66	2	2
Industrial	378	365	367	357	366	391	382	391	384	391	385	385
Additional Firm	166	166	163	162	162	153	164	162	159	160	163	167
Loss	191	176	164	191	218	239	274	262	209	182	192	220
Firm Load	2,358	2,179	2,042	1,886	2,103	2,621	2,974	2,852	2,331	2,069	2,178	2,468
Light Load	2,180	2,032	1,890	1,699	1,888	2,370	2,665	2,554	2,081	1,853	2,024	2,290
Heavy Load	2,498	2,290	2,163	2,022	2,288	2,805	3,218	3,087	2,531	2,224	2,313	2,607
System Load	2,358	2,179	2,042	1,886	2,103	2,621	2,974	2,852	2,331	2,069	2,178	2,468
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,358	2,179	2,042	1,886	2,103	2,621	2,974	2,852	2,331	2,069	2,178	2,468

Peak Load (MW) - 90th Percentile

	Jan. 2026	Feb. 2026	Mar. 2026	Apr. 2026	May. 2026	Jun. 2026	Jul. 2026	Aug. 2026	Sep. 2026	Oct. 2026	Nov. 2026	Dec. 2026
Energy Efficiency (MW)	-114	-111	-108	-108	-142	-191	-243	-238	-187	-124	-112	-112
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	3,042	2,755	2,742	2,225	3,670	4,310	4,464	4,041	3,569	2,521	2,889	3,467
System Peak (1 Hour)	3,042	2,755	2,742	2,225	3,670	4,310	4,464	4,041	3,569	2,521	2,889	3,467
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,042	2,755	2,742	2,225	3,670	4,310	4,464	4,041	3,569	2,521	2,889	3,467

Expected Case Sales and Load Forecast

Average Load (aMW) - 50th Percentile

	Jan. 2027	Feb. 2027	Mar. 2027	Apr. 2027	May. 2027	Jun. 2027	Jul. 2027	Aug. 2027	Sep. 2027	Oct. 2027	Nov. 2027	Dec. 2027
Residential	993	860	748	571	554	705	887	892	681	676	839	1,053
Commercial	654	632	617	544	586	683	732	726	643	619	623	668
Irrigation	0	0	4	78	238	483	577	460	285	66	2	2
Industrial	388	375	377	367	376	401	391	401	394	401	395	394
Additional Firm	164	165	162	160	161	152	163	161	158	159	162	166
Loss	194	178	167	194	222	243	279	267	213	185	195	224
Firm Load	2,394	2,211	2,074	1,914	2,136	2,667	3,030	2,907	2,374	2,106	2,215	2,507
Light Load	2,213	2,061	1,919	1,724	1,917	2,411	2,715	2,603	2,119	1,887	2,058	2,326
Heavy Load	2,549	2,323	2,186	2,052	2,324	2,854	3,257	3,147	2,577	2,280	2,341	2,649
System Load	2,394	2,211	2,074	1,914	2,136	2,667	3,030	2,907	2,374	2,106	2,215	2,507
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,394	2,211	2,074	1,914	2,136	2,667	3,030	2,907	2,374	2,106	2,215	2,507

Peak Load (MW) - 90th Percentile

	Jan. 2027	Feb. 2027	Mar. 2027	Apr. 2027	May. 2027	Jun. 2027	Jul. 2027	Aug. 2027	Sep. 2027	Oct. 2027	Nov. 2027	Dec. 2027
Energy Efficiency (MW)	-115	-112	-109	-109	-144	-193	-247	-242	-189	-125	-113	-113
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	3,083	2,784	2,785	2,255	3,727	4,387	4,550	4,121	3,621	2,557	2,928	3,531
System Peak (1 Hour)	3,083	2,784	2,785	2,255	3,727	4,387	4,550	4,121	3,621	2,557	2,928	3,531
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,083	2,784	2,785	2,255	3,727	4,387	4,550	4,121	3,621	2,557	2,928	3,531

Expected Case Sales and Load Forecast Annual Summary

Billed Sales (MWh) - 50th Percentile

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	5,272,077	5,381,084	5,466,252	5,559,713	5,611,397	5,667,256	5,703,306	5,741,952	5,840,664	5,883,023
Commercial	3,991,985	4,073,751	4,163,884	4,248,344	4,312,482	4,379,893	4,428,980	4,478,747	4,568,202	4,614,066
Irrigation	1,606,077	1,602,642	1,600,993	1,597,335	1,593,692	1,590,815	1,582,340	1,585,301	1,588,210	1,582,580
Industrial	2,411,609	2,460,859	2,515,918	2,563,563	2,607,249	2,650,684	2,685,765	2,732,383	2,781,434	2,810,881
Additional Firm	1,168,602	1,472,472	1,509,783	1,512,208	1,468,718	1,466,455	1,462,890	1,463,064	1,466,036	1,459,239
Firm Sales	14,450,350	14,990,809	15,256,830	15,481,163	15,593,539	15,755,103	15,863,280	16,001,447	16,244,546	16,349,789
System Sales	14,450,350	14,990,809	15,256,830	15,481,163	15,593,539	15,755,103	15,863,280	16,001,447	16,244,546	16,349,789
Firm Off-System Sales	0	0	0	0	0	0	0	0	0	0
Total Sales	14,450,350	14,990,809	15,256,830	15,481,163	15,593,539	15,755,103	15,863,280	16,001,447	16,244,546	16,349,789

Generation Month Sales (MWh) - 50th Percentile

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	5,297,677	5,387,546	5,473,222	5,563,755	5,633,969	5,670,071	5,706,137	5,748,742	5,862,441	5,885,934
Commercial	4,007,512	4,078,664	4,168,703	4,252,150	4,328,584	4,382,877	4,431,746	4,483,550	4,583,640	4,615,808
Irrigation	1,606,088	1,602,646	1,600,995	1,597,336	1,593,701	1,590,812	1,582,342	1,585,303	1,588,213	1,582,582
Industrial	2,414,715	2,465,851	2,520,663	2,567,677	2,610,442	2,655,148	2,688,627	2,736,533	2,785,052	2,814,178
Additional Firm	1,168,602	1,472,472	1,509,783	1,512,208	1,468,718	1,466,455	1,462,890	1,463,064	1,466,036	1,459,239
Firm Sales	14,494,594	15,007,180	15,273,365	15,493,126	15,635,415	15,765,363	15,871,743	16,017,192	16,285,383	16,357,740
System Sales	14,494,594	15,007,180	15,273,365	15,493,126	15,635,415	15,765,363	15,871,743	16,017,192	16,285,383	16,357,740
Firm Off-System Sales	0	0	0	0	0	0	0	0	0	0
Total Sales	14,494,594	15,007,180	15,273,365	15,493,126	15,635,415	15,765,363	15,871,743	16,017,192	16,285,383	16,357,740
Loss	1,423,205	1,460,117	1,486,470	1,509,866	1,527,755	1,542,542	1,554,939	1,569,728	1,597,326	1,605,687
Required Generation	15,917,799	16,467,297	16,759,835	17,002,992	17,163,169	17,307,905	17,426,682	17,586,921	17,882,709	17,963,427

Average Load (aMW) - 50th Percentile

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	603	615	625	635	641	647	651	656	667	672
Commercial	456	466	476	485	493	500	506	512	522	527
Irrigation	183	183	183	182	181	182	181	181	181	181
Industrial	275	281	288	293	297	303	307	312	317	321
Additional Firm	133	168	172	173	167	167	167	167	167	167
Loss	162	167	170	172	174	176	178	179	182	183
Firm Load	1,812	1,880	1,913	1,941	1,954	1,976	1,989	2,008	2,036	2,051
Light Load	1,648	1,710	1,740	1,766	1,777	1,797	1,810	1,826	1,852	1,865
Heavy Load	1,940	2,013	2,048	2,078	2,093	2,116	2,130	2,150	2,180	2,196
System Load	1,812	1,880	1,913	1,941	1,954	1,976	1,989	2,008	2,036	2,051
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0
Total Load	1,812	1,880	1,913	1,941	1,954	1,976	1,989	2,008	2,036	2,051

Peak Load (MW) - 90th Percentile

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Efficiency (Mw)	-30	-46	-61	-76	-92	-107	-123	-135	-146	-157
Demand Response (Mw)	-66	-78	-82	-82	-82	-82	-82	-82	-82	-82
Firm Peak Load	3,240	3,338	3,400	3,464	3,510	3,567	3,615	3,671	3,740	3,792
System Peak (1 Hour)	3,240	3,338	3,400	3,464	3,510	3,567	3,615	3,671	3,740	3,792
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0
Loss	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,240	3,338	3,400	3,464	3,510	3,567	3,615	3,671	3,740	3,792

Expected Case Sales and Load Forecast Annual Summary

Billed Sales (MWh) - 50th Percentile

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Residential	5,925,711	6,015,087	6,119,743	6,227,718	6,336,936	6,445,662	6,554,914	6,665,539	6,785,280	6,901,453
Commercial	4,648,002	4,739,205	4,841,226	4,946,104	5,055,592	5,166,266	5,281,491	5,398,487	5,519,360	5,639,585
Irrigation	1,584,791	1,587,750	1,590,824	1,593,872	1,596,871	1,599,866	1,602,860	1,605,908	1,608,864	1,611,660
Industrial	2,857,163	2,905,486	2,962,268	3,012,134	3,064,480	3,117,298	3,172,855	3,227,871	3,309,541	3,394,606
Additional Firm	1,458,939	1,458,839	1,461,536	1,454,039	1,453,139	1,443,139	1,445,036	1,432,339	1,421,239	1,411,239
Firm Sales	16,474,607	16,706,367	16,975,598	17,233,866	17,507,018	17,772,230	18,057,157	18,330,143	18,644,284	18,958,542
System Sales	16,474,607	16,706,367	16,975,598	17,233,866	17,507,018	17,772,230	18,057,157	18,330,143	18,644,284	18,958,542
Firm Off-System Sales	0	0	0	0	0	0	0	0	0	0
Total Sales	16,474,607	16,706,367	16,975,598	17,233,866	17,507,018	17,772,230	18,057,157	18,330,143	18,644,284	18,958,542

Generation Month Sales (MWh) - 50th Percentile

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Residential	5,931,730	6,022,095	6,146,444	6,234,970	6,344,126	6,452,856	6,582,711	6,672,866	6,792,338	6,908,179
Commercial	4,652,673	4,744,250	4,860,039	4,951,318	5,060,836	5,171,558	5,301,600	5,403,851	5,524,660	5,644,803
Irrigation	1,584,794	1,587,753	1,590,834	1,593,874	1,596,874	1,599,868	1,602,870	1,605,910	1,608,866	1,611,662
Industrial	2,861,277	2,909,639	2,966,392	3,017,181	3,069,076	3,122,075	3,176,821	3,233,353	3,316,711	3,401,936
Additional Firm	1,458,939	1,458,839	1,461,536	1,454,039	1,453,139	1,443,139	1,445,036	1,432,339	1,421,239	1,411,239
Firm Sales	16,489,412	16,722,575	17,025,246	17,251,381	17,524,050	17,789,495	18,109,038	18,348,318	18,663,814	18,977,819
System Sales	16,489,412	16,722,575	17,025,246	17,251,381	17,524,050	17,789,495	18,109,038	18,348,318	18,663,814	18,977,819
Firm Off-System Sales	0	0	0	0	0	0	0	0	0	0
Total Sales	16,489,412	16,722,575	17,025,246	17,251,381	17,524,050	17,789,495	18,109,038	18,348,318	18,663,814	18,977,819
Loss	1,618,701	1,642,735	1,673,136	1,696,898	1,724,517	1,751,984	1,783,691	1,808,436	1,840,591	1,872,434
Required Generation	18,108,113	18,365,310	18,698,382	18,948,279	19,248,567	19,541,479	19,892,729	20,156,754	20,504,405	20,850,252

Average Load (aMW) - 50th Percentile

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Residential	677	687	700	712	724	737	749	762	775	789
Commercial	531	542	553	565	578	590	604	617	631	644
Irrigation	181	181	181	182	182	183	182	183	184	184
Industrial	327	332	338	344	350	356	362	369	379	388
Additional Firm	167	167	166	166	166	165	165	164	162	161
Loss	185	188	190	194	197	200	203	206	210	214
Firm Load	2,067	2,096	2,129	2,163	2,197	2,231	2,265	2,301	2,341	2,380
Light Load	1,880	1,907	1,936	1,967	1,999	2,029	2,060	2,093	2,129	2,165
Heavy Load	2,214	2,245	2,279	2,315	2,353	2,389	2,425	2,464	2,507	2,548
System Load	2,067	2,096	2,129	2,163	2,197	2,231	2,265	2,301	2,341	2,380
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0
Total Load	2,067	2,096	2,129	2,163	2,197	2,231	2,265	2,301	2,341	2,380

Peak Load (MW) - 90th Percentile

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Energy Efficiency (Mw)	-168	-179	-190	-200	-210	-219	-229	-239	-243	-247
Demand Response (Mw)	-82	-82	-82	-82	-82	-82	-82	-82	-82	-82
Firm Peak Load	3,847	3,916	3,990	4,066	4,143	4,220	4,298	4,378	4,464	4,550
System Peak (1 Hour)	3,847	3,916	3,990	4,066	4,143	4,220	4,298	4,378	4,464	4,550
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0
Loss	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,847	3,916	3,990	4,066	4,143	4,220	4,298	4,378	4,464	4,550

70th Percentile Average Forecast Annual Growth Rates (%)

	2008–2013	2008–2018	2008–2027
Sales			
Residential Sales	1.5	1.2	1.4
Commercial Sales	1.9	1.5	1.8
Irrigation Sales	-0.2	-0.1	0.0
Industrial Sales	1.9	1.7	1.8
Additional Firm Sales	4.7	2.2	1.0
Firm Sales	1.7	1.3	1.4
System Sales	1.7	1.3	1.4
Total Sales	1.7	1.3	1.4
Loads			
Residential Load	1.5	1.2	1.4
Commercial Load	1.9	1.5	1.8
Irrigation Load	-0.1	-0.1	0.0
Industrial Load	2.0	1.7	1.8
Additional Firm Sales	4.7	2.2	1.0
Firm Load Losses	1.7	1.3	1.5
Firm Load	1.7	1.3	1.4
System Load	1.7	1.3	1.4
Total Load	1.7	1.3	1.4
Firm Requirement Load	1.7	1.3	1.4
Peaks			
Firm Peak	2.0	1.7	1.8
System Peak	2.0	1.7	1.8
Total Peak	2.0	1.7	1.8
Firm Requirement Peak	2.0	1.7	1.8
Winter Peak	1.5	0.6	1.3
Summer Peak	2.0	1.7	1.8
Customers			
Residential Customers	2.3	2.2	2.2
Commercial Customers	2.5	2.4	2.3
Irrigation Customers	1.6	1.5	1.4
Industrial Customers	1.4	1.4	1.3

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2008	Feb. 2008	Mar. 2008	Apr. 2008	May. 2008	Jun. 2008	Jul. 2008	Aug. 2008	Sep. 2008	Oct. 2008	Nov. 2008	Dec. 2008
Residential	829	741	634	492	463	527	611	611	502	515	654	842
Commercial	492	471	447	396	417	465	498	501	447	436	457	501
Irrigation	0	0	4	104	288	533	602	476	300	75	3	2
Industrial	276	266	266	260	266	283	277	281	279	284	280	279
Additional Firm	140	137	135	133	132	122	133	131	128	131	135	140
Loss	154	143	130	157	181	193	213	200	162	138	148	173
Firm Load	1,891	1,759	1,617	1,542	1,747	2,122	2,335	2,201	1,819	1,580	1,675	1,936
Light Load	1,748	1,640	1,496	1,390	1,568	1,919	2,092	1,970	1,624	1,415	1,557	1,797
Heavy Load	2,003	1,847	1,712	1,654	1,887	2,285	2,526	2,382	1,975	1,699	1,779	2,045
System Load	1,891	1,759	1,617	1,542	1,747	2,122	2,335	2,201	1,819	1,580	1,675	1,936
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	1,891	1,759	1,617	1,542	1,747	2,122	2,335	2,201	1,819	1,580	1,675	1,936

Peak Load (MW) - 95th Percentile

	Jan. 2008	Feb. 2008	Mar. 2008	Apr. 2008	May. 2008	Jun. 2008	Jul. 2008	Aug. 2008	Sep. 2008	Oct. 2008	Nov. 2008	Dec. 2008
Energy Efficiency (MW)	-12	-12	-11	-12	-18	-25	-30	-28	-22	-15	-12	-12
Demand Response (MW)	0	0	0	0	0	-66	-66	-62	0	0	0	0
Firm Peak Load	2,576	2,458	2,374	1,979	2,769	3,212	3,284	3,010	2,710	2,075	2,400	2,895
System Peak (1 Hour)	2,576	2,458	2,374	1,979	2,769	3,212	3,284	3,010	2,710	2,075	2,400	2,895
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,576	2,458	2,374	1,979	2,769	3,212	3,284	3,010	2,710	2,075	2,400	2,895

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2009	Feb. 2009	Mar. 2009	Apr. 2009	May. 2009	Jun. 2009	Jul. 2009	Aug. 2009	Sep. 2009	Oct. 2009	Nov. 2009	Dec. 2009
Residential	845	754	645	500	471	539	627	627	513	526	668	857
Commercial	501	480	455	404	425	475	510	512	457	446	466	511
Irrigation	0	0	4	104	287	532	601	475	300	75	2	2
Industrial	282	273	273	267	272	290	284	288	286	291	286	285
Additional Firm	155	166	164	163	165	158	173	173	169	172	176	182
Loss	157	147	134	161	186	198	219	206	167	143	152	178
Firm Load	1,940	1,819	1,675	1,599	1,807	2,192	2,413	2,281	1,892	1,653	1,751	2,015
Light Load	1,794	1,696	1,550	1,441	1,622	1,982	2,163	2,043	1,689	1,481	1,627	1,870
Heavy Load	2,056	1,912	1,774	1,715	1,966	2,346	2,611	2,469	2,054	1,777	1,860	2,129
System Load	1,940	1,819	1,675	1,599	1,807	2,192	2,413	2,281	1,892	1,653	1,751	2,015
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	1,940	1,819	1,675	1,599	1,807	2,192	2,413	2,281	1,892	1,653	1,751	2,015

Peak Load (MW) - 95th Percentile

	Jan. 2009	Feb. 2009	Mar. 2009	Apr. 2009	May. 2009	Jun. 2009	Jul. 2009	Aug. 2009	Sep. 2009	Oct. 2009	Nov. 2009	Dec. 2009
Energy Efficiency (MW)	-19	-18	-18	-18	-27	-38	-46	-43	-33	-22	-19	-18
Demand Response (MW)	0	0	0	0	0	-77	-78	-73	0	0	0	0
Firm Peak Load	2,617	2,510	2,426	2,014	2,853	3,300	3,383	3,099	2,799	2,147	2,476	2,984
System Peak (1 Hour)	2,617	2,510	2,426	2,014	2,853	3,300	3,383	3,099	2,799	2,147	2,476	2,984
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,617	2,510	2,426	2,014	2,853	3,300	3,383	3,099	2,799	2,147	2,476	2,984

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2010	Feb. 2010	Mar. 2010	Apr. 2010	May. 2010	Jun. 2010	Jul. 2010	Aug. 2010	Sep. 2010	Oct. 2010	Nov. 2010	Dec. 2010
Residential	857	763	653	506	477	549	640	640	523	536	679	871
Commercial	511	490	465	413	435	487	522	524	467	456	476	521
Irrigation	0	0	4	104	287	531	601	475	300	74	2	2
Industrial	288	279	279	272	278	297	290	295	292	297	293	292
Additional Firm	179	178	174	171	171	162	173	171	167	170	174	179
Loss	161	149	137	164	189	201	223	209	170	146	155	181
Firm Load	1,996	1,860	1,713	1,631	1,837	2,226	2,449	2,314	1,919	1,679	1,778	2,046
Light Load	1,845	1,734	1,584	1,469	1,649	2,013	2,195	2,072	1,713	1,504	1,652	1,898
Heavy Load	2,125	1,954	1,805	1,749	1,999	2,382	2,633	2,505	2,083	1,817	1,879	2,161
System Load	1,996	1,860	1,713	1,631	1,837	2,226	2,449	2,314	1,919	1,679	1,778	2,046
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	1,996	1,860	1,713	1,631	1,837	2,226	2,449	2,314	1,919	1,679	1,778	2,046

Peak Load (MW) - 95th Percentile

	Jan. 2010	Feb. 2010	Mar. 2010	Apr. 2010	May. 2010	Jun. 2010	Jul. 2010	Aug. 2010	Sep. 2010	Oct. 2010	Nov. 2010	Dec. 2010
Energy Efficiency (MW)	-25	-24	-24	-24	-35	-50	-61	-58	-44	-30	-25	-25
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,674	2,546	2,469	2,039	2,912	3,364	3,446	3,164	2,842	2,171	2,506	3,059
System Peak (1 Hour)	2,674	2,546	2,469	2,039	2,912	3,364	3,446	3,164	2,842	2,171	2,506	3,059
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,674	2,546	2,469	2,039	2,912	3,364	3,446	3,164	2,842	2,171	2,506	3,059

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2011	Feb. 2011	Mar. 2011	Apr. 2011	May. 2011	Jun. 2011	Jul. 2011	Aug. 2011	Sep. 2011	Oct. 2011	Nov. 2011	Dec. 2011
Residential	869	773	662	512	484	560	655	655	533	546	691	882
Commercial	520	500	475	421	444	498	533	535	477	465	485	529
Irrigation	0	0	4	104	286	530	600	474	299	74	2	2
Industrial	294	284	284	278	283	302	296	300	298	303	298	297
Additional Firm	181	181	176	174	173	164	175	173	169	165	168	173
Loss	164	152	139	167	192	204	226	213	173	148	158	183
Firm Load	2,029	1,890	1,741	1,655	1,862	2,258	2,486	2,350	1,948	1,701	1,802	2,066
Light Load	1,876	1,762	1,611	1,491	1,672	2,041	2,227	2,104	1,739	1,524	1,674	1,918
Heavy Load	2,161	1,985	1,835	1,775	2,026	2,416	2,708	2,528	2,115	1,841	1,904	2,174
System Load	2,029	1,890	1,741	1,655	1,862	2,258	2,486	2,350	1,948	1,701	1,802	2,066
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,029	1,890	1,741	1,655	1,862	2,258	2,486	2,350	1,948	1,701	1,802	2,066

Peak Load (MW) - 95th Percentile

	Jan. 2011	Feb. 2011	Mar. 2011	Apr. 2011	May. 2011	Jun. 2011	Jul. 2011	Aug. 2011	Sep. 2011	Oct. 2011	Nov. 2011	Dec. 2011
Energy Efficiency (MW)	-32	-31	-30	-30	-44	-62	-76	-73	-56	-37	-32	-31
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,715	2,575	2,515	2,071	2,962	3,423	3,511	3,217	2,887	2,189	2,525	3,077
System Peak (1 Hour)	2,715	2,575	2,515	2,071	2,962	3,423	3,511	3,217	2,887	2,189	2,525	3,077
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,715	2,575	2,515	2,071	2,962	3,423	3,511	3,217	2,887	2,189	2,525	3,077

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2012	Feb. 2012	Mar. 2012	Apr. 2012	May. 2012	Jun. 2012	Jul. 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012
Residential	875	778	666	514	487	567	665	666	539	552	698	890
Commercial	527	507	482	427	451	507	542	543	485	473	492	537
Irrigation	0	0	4	104	286	529	599	473	299	73	2	2
Industrial	298	288	288	281	287	306	300	305	302	307	302	301
Additional Firm	172	170	169	167	167	157	169	166	163	165	168	173
Loss	165	153	140	168	193	206	229	215	175	150	159	185
Firm Load	2,038	1,895	1,749	1,662	1,871	2,272	2,504	2,368	1,961	1,720	1,821	2,089
Light Load	1,884	1,767	1,618	1,497	1,680	2,054	2,244	2,120	1,751	1,541	1,692	1,938
Heavy Load	2,159	1,990	1,844	1,793	2,022	2,432	2,727	2,547	2,145	1,849	1,925	2,218
System Load	2,038	1,895	1,749	1,662	1,871	2,272	2,504	2,368	1,961	1,720	1,821	2,089
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,038	1,895	1,749	1,662	1,871	2,272	2,504	2,368	1,961	1,720	1,821	2,089

Peak Load (MW) - 95th Percentile

	Jan. 2012	Feb. 2012	Mar. 2012	Apr. 2012	May. 2012	Jun. 2012	Jul. 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012
Energy Efficiency (MW)	-38	-37	-37	-37	-54	-74	-92	-89	-68	-45	-39	-38
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,721	2,570	2,519	2,067	3,002	3,465	3,558	3,250	2,924	2,206	2,546	3,088
System Peak (1 Hour)	2,721	2,570	2,519	2,067	3,002	3,465	3,558	3,250	2,924	2,206	2,546	3,088
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,721	2,570	2,519	2,067	3,002	3,465	3,558	3,250	2,924	2,206	2,546	3,088

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2013	Feb. 2013	Mar. 2013	Apr. 2013	May. 2013	Jun. 2013	Jul. 2013	Aug. 2013	Sep. 2013	Oct. 2013	Nov. 2013	Dec. 2013
Residential	882	782	670	517	491	575	677	676	546	558	705	897
Commercial	535	514	489	434	458	516	551	552	492	480	499	543
Irrigation	0	0	4	104	285	528	598	473	298	73	2	2
Industrial	303	293	294	287	293	313	306	311	308	313	308	307
Additional Firm	172	172	169	167	167	157	169	166	163	165	168	173
Loss	167	154	142	170	195	209	232	218	177	152	161	187
Firm Load	2,060	1,916	1,768	1,678	1,889	2,297	2,532	2,396	1,984	1,741	1,844	2,110
Light Load	1,904	1,787	1,636	1,512	1,696	2,077	2,269	2,146	1,771	1,560	1,713	1,958
Heavy Load	2,182	2,014	1,873	1,800	2,041	2,473	2,740	2,578	2,170	1,873	1,948	2,240
System Load	2,060	1,916	1,768	1,678	1,889	2,297	2,532	2,396	1,984	1,741	1,844	2,110
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,060	1,916	1,768	1,678	1,889	2,297	2,532	2,396	1,984	1,741	1,844	2,110

Peak Load (MW) - 95th Percentile

	Jan. 2013	Feb. 2013	Mar. 2013	Apr. 2013	May. 2013	Jun. 2013	Jul. 2013	Aug. 2013	Sep. 2013	Oct. 2013	Nov. 2013	Dec. 2013
Energy Efficiency (MW)	-45	-44	-43	-43	-63	-87	-107	-104	-79	-53	-45	-44
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,737	2,583	2,534	2,069	3,050	3,521	3,617	3,302	2,968	2,227	2,569	3,120
System Peak (1 Hour)	2,737	2,583	2,534	2,069	3,050	3,521	3,617	3,302	2,968	2,227	2,569	3,120
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,737	2,583	2,534	2,069	3,050	3,521	3,617	3,302	2,968	2,227	2,569	3,120

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2014	Feb. 2014	Mar. 2014	Apr. 2014	May. 2014	Jun. 2014	Jul. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014
Residential	886	784	672	518	492	580	686	685	551	562	710	903
Commercial	540	519	495	438	464	523	558	559	498	486	504	548
Irrigation	0	0	4	104	284	525	595	470	297	72	2	2
Industrial	307	297	297	290	297	317	309	315	312	317	312	311
Additional Firm	172	172	168	166	166	157	169	166	163	165	168	173
Loss	168	155	143	171	197	210	234	220	178	153	163	189
Firm Load	2,073	1,928	1,780	1,688	1,900	2,313	2,551	2,416	1,999	1,756	1,859	2,125
Light Load	1,916	1,797	1,647	1,521	1,705	2,091	2,286	2,163	1,784	1,573	1,727	1,972
Heavy Load	2,196	2,025	1,885	1,810	2,053	2,490	2,760	2,615	2,170	1,888	1,974	2,245
System Load	2,073	1,928	1,780	1,688	1,900	2,313	2,551	2,416	1,999	1,756	1,859	2,125
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,073	1,928	1,780	1,688	1,900	2,313	2,551	2,416	1,999	1,756	1,859	2,125

Peak Load (MW) - 95th Percentile

	Jan. 2014	Feb. 2014	Mar. 2014	Apr. 2014	May. 2014	Jun. 2014	Jul. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014
Energy Efficiency (MW)	-52	-51	-49	-50	-71	-98	-123	-118	-91	-60	-52	-51
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,751	2,590	2,548	2,076	3,095	3,551	3,666	3,310	3,012	2,240	2,584	3,050
System Peak (1 Hour)	2,751	2,590	2,548	2,076	3,095	3,551	3,666	3,310	3,012	2,240	2,584	3,050
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,751	2,590	2,548	2,076	3,095	3,551	3,666	3,310	3,012	2,240	2,584	3,050

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2015	Feb. 2015	Mar. 2015	Apr. 2015	May. 2015	Jun. 2015	Jul. 2015	Aug. 2015	Sep. 2015	Oct. 2015	Nov. 2015	Dec. 2015
Residential	889	786	674	519	494	587	695	695	557	567	715	913
Commercial	545	524	500	443	470	530	566	566	504	492	509	555
Irrigation	0	0	4	104	284	526	596	471	297	72	2	2
Industrial	313	302	303	295	302	322	315	321	317	323	318	317
Additional Firm	172	172	168	166	166	157	169	166	163	165	168	173
Loss	169	156	144	172	198	212	236	223	180	155	164	191
Firm Load	2,088	1,941	1,794	1,700	1,915	2,335	2,577	2,442	2,018	1,774	1,876	2,151
Light Load	1,930	1,810	1,660	1,531	1,719	2,111	2,310	2,186	1,802	1,589	1,743	1,997
Heavy Load	2,212	2,039	1,900	1,823	2,083	2,498	2,788	2,643	2,191	1,907	1,993	2,273
System Load	2,088	1,941	1,794	1,700	1,915	2,335	2,577	2,442	2,018	1,774	1,876	2,151
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,088	1,941	1,794	1,700	1,915	2,335	2,577	2,442	2,018	1,774	1,876	2,151

Peak Load (MW) - 95th Percentile

	Jan. 2015	Feb. 2015	Mar. 2015	Apr. 2015	May. 2015	Jun. 2015	Jul. 2015	Aug. 2015	Sep. 2015	Oct. 2015	Nov. 2015	Dec. 2015
Energy Efficiency (MW)	-58	-57	-55	-56	-78	-108	-135	-130	-100	-66	-58	-57
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,743	2,583	2,523	2,043	3,144	3,610	3,723	3,366	3,058	2,256	2,603	3,102
System Peak (1 Hour)	2,743	2,583	2,523	2,043	3,144	3,610	3,723	3,366	3,058	2,256	2,603	3,102
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,743	2,583	2,523	2,043	3,144	3,610	3,723	3,366	3,058	2,256	2,603	3,102

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2016	Feb. 2016	Mar. 2016	Apr. 2016	May. 2016	Jun. 2016	Jul. 2016	Aug. 2016	Sep. 2016	Oct. 2016	Nov. 2016	Dec. 2016
Residential	901	796	683	525	501	599	712	713	568	577	727	923
Commercial	555	534	510	452	479	542	579	577	515	502	518	562
Irrigation	0	0	4	104	285	527	597	472	298	73	2	2
Industrial	317	307	307	300	307	327	320	326	322	328	322	322
Additional Firm	172	170	168	166	166	157	169	166	163	165	168	173
Loss	172	158	146	174	201	216	240	227	183	158	167	193
Firm Load	2,117	1,965	1,819	1,721	1,939	2,368	2,617	2,481	2,049	1,802	1,905	2,175
Light Load	1,957	1,832	1,683	1,551	1,741	2,141	2,345	2,221	1,829	1,614	1,770	2,019
Heavy Load	2,255	2,063	1,917	1,846	2,110	2,534	2,851	2,668	2,225	1,950	2,013	2,288
System Load	2,117	1,965	1,819	1,721	1,939	2,368	2,617	2,481	2,049	1,802	1,905	2,175
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,117	1,965	1,819	1,721	1,939	2,368	2,617	2,481	2,049	1,802	1,905	2,175

Peak Load (MW) - 95th Percentile

	Jan. 2016	Feb. 2016	Mar. 2016	Apr. 2016	May. 2016	Jun. 2016	Jul. 2016	Aug. 2016	Sep. 2016	Oct. 2016	Nov. 2016	Dec. 2016
Energy Efficiency (MW)	-64	-62	-61	-61	-85	-117	-146	-142	-109	-72	-64	-63
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,777	2,598	2,559	2,066	3,195	3,676	3,793	3,432	3,104	2,283	2,632	3,149
System Peak (1 Hour)	2,777	2,598	2,559	2,066	3,195	3,676	3,793	3,432	3,104	2,283	2,632	3,149
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,777	2,598	2,559	2,066	3,195	3,676	3,793	3,432	3,104	2,283	2,632	3,149

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2017	Feb. 2017	Mar. 2017	Apr. 2017	May. 2017	Jun. 2017	Jul. 2017	Aug. 2017	Sep. 2017	Oct. 2017	Nov. 2017	Dec. 2017
Residential	905	798	685	526	503	606	723	723	574	582	732	929
Commercial	559	538	515	456	484	549	586	584	521	507	523	566
Irrigation	0	0	4	104	284	525	595	471	297	72	2	2
Industrial	321	311	311	304	311	331	324	330	326	332	327	326
Additional Firm	171	171	168	166	166	157	168	166	162	164	168	172
Loss	173	159	147	175	202	217	243	229	185	159	169	195
Firm Load	2,130	1,977	1,830	1,731	1,950	2,385	2,639	2,502	2,065	1,817	1,920	2,190
Light Load	1,969	1,844	1,693	1,560	1,751	2,157	2,365	2,240	1,844	1,628	1,784	2,032
Heavy Load	2,257	2,078	1,929	1,868	2,108	2,553	2,875	2,691	2,242	1,967	2,029	2,325
System Load	2,130	1,977	1,830	1,731	1,950	2,385	2,639	2,502	2,065	1,817	1,920	2,190
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,130	1,977	1,830	1,731	1,950	2,385	2,639	2,502	2,065	1,817	1,920	2,190

Peak Load (MW) - 95th Percentile

	Jan. 2017	Feb. 2017	Mar. 2017	Apr. 2017	May. 2017	Jun. 2017	Jul. 2017	Aug. 2017	Sep. 2017	Oct. 2017	Nov. 2017	Dec. 2017
Energy Efficiency (MW)	-70	-68	-67	-67	-92	-126	-157	-154	-119	-79	-70	-69
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,794	2,615	2,577	2,079	3,242	3,701	3,846	3,429	3,150	2,297	2,648	3,047
System Peak (1 Hour)	2,794	2,615	2,577	2,079	3,242	3,701	3,846	3,429	3,150	2,297	2,648	3,047
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,794	2,615	2,577	2,079	3,242	3,701	3,846	3,429	3,150	2,297	2,648	3,047

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2018	Feb. 2018	Mar. 2018	Apr. 2018	May. 2018	Jun. 2018	Jul. 2018	Aug. 2018	Sep. 2018	Oct. 2018	Nov. 2018	Dec. 2018
Residential	909	800	687	527	506	613	734	734	580	587	738	939
Commercial	562	541	518	459	488	555	591	589	525	511	526	573
Irrigation	0	0	4	104	284	526	596	471	297	72	2	2
Industrial	327	316	317	309	316	337	329	336	332	337	332	332
Additional Firm	171	171	168	166	166	157	168	166	162	164	168	172
Loss	174	160	148	176	204	219	245	231	186	161	170	197
Firm Load	2,143	1,988	1,842	1,741	1,963	2,407	2,664	2,527	2,084	1,833	1,936	2,214
Light Load	1,981	1,854	1,704	1,569	1,762	2,176	2,388	2,262	1,860	1,642	1,798	2,055
Heavy Load	2,271	2,089	1,941	1,879	2,122	2,575	2,902	2,718	2,279	1,971	2,045	2,351
System Load	2,143	1,988	1,842	1,741	1,963	2,407	2,664	2,527	2,084	1,833	1,936	2,214
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,143	1,988	1,842	1,741	1,963	2,407	2,664	2,527	2,084	1,833	1,936	2,214

Peak Load (MW) - 95th Percentile

	Jan. 2018	Feb. 2018	Mar. 2018	Apr. 2018	May. 2018	Jun. 2018	Jul. 2018	Aug. 2018	Sep. 2018	Oct. 2018	Nov. 2018	Dec. 2018
Energy Efficiency (MW)	-76	-74	-72	-72	-99	-134	-168	-165	-127	-85	-75	-74
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,775	2,599	2,532	2,031	3,290	3,757	3,901	3,481	3,197	2,312	2,664	3,087
System Peak (1 Hour)	2,775	2,599	2,532	2,031	3,290	3,757	3,901	3,481	3,197	2,312	2,664	3,087
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,775	2,599	2,532	2,031	3,290	3,757	3,901	3,481	3,197	2,312	2,664	3,087

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2019	Feb. 2019	Mar. 2019	Apr. 2019	May. 2019	Jun. 2019	Jul. 2019	Aug. 2019	Sep. 2019	Oct. 2019	Nov. 2019	Dec. 2019
Residential	920	808	694	531	512	625	751	751	592	597	749	953
Commercial	572	551	528	468	498	568	604	602	536	521	536	583
Irrigation	0	0	4	104	284	527	597	472	298	73	2	2
Industrial	332	321	322	314	321	343	335	342	337	343	338	337
Additional Firm	171	171	168	166	166	157	168	166	162	164	168	172
Loss	176	162	150	178	207	222	249	235	189	163	173	200
Firm Load	2,171	2,013	1,867	1,762	1,988	2,441	2,705	2,567	2,115	1,861	1,964	2,247
Light Load	2,007	1,877	1,727	1,588	1,784	2,207	2,424	2,298	1,888	1,667	1,825	2,086
Heavy Load	2,300	2,115	1,977	1,889	2,148	2,628	2,926	2,761	2,313	2,001	2,076	2,386
System Load	2,171	2,013	1,867	1,762	1,988	2,441	2,705	2,567	2,115	1,861	1,964	2,247
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,171	2,013	1,867	1,762	1,988	2,441	2,705	2,567	2,115	1,861	1,964	2,247

Peak Load (MW) - 95th Percentile

	Jan. 2019	Feb. 2019	Mar. 2019	Apr. 2019	May. 2019	Jun. 2019	Jul. 2019	Aug. 2019	Sep. 2019	Oct. 2019	Nov. 2019	Dec. 2019
Energy Efficiency (MW)	-82	-79	-78	-78	-106	-142	-179	-175	-136	-91	-81	-80
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,805	2,619	2,563	2,049	3,342	3,825	3,972	3,549	3,244	2,338	2,694	3,149
System Peak (1 Hour)	2,805	2,619	2,563	2,049	3,342	3,825	3,972	3,549	3,244	2,338	2,694	3,149
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,805	2,619	2,563	2,049	3,342	3,825	3,972	3,549	3,244	2,338	2,694	3,149

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2020	Feb. 2020	Mar. 2020	Apr. 2020	May. 2020	Jun. 2020	Jul. 2020	Aug. 2020	Sep. 2020	Oct. 2020	Nov. 2020	Dec. 2020
Residential	932	817	703	538	519	639	770	770	605	608	761	969
Commercial	583	561	539	478	510	581	619	617	548	533	547	594
Irrigation	0	0	4	104	285	528	598	473	298	73	2	2
Industrial	337	326	327	319	327	348	341	348	343	349	344	343
Additional Firm	171	169	168	166	166	157	168	166	162	164	168	172
Loss	179	165	152	181	210	226	253	239	193	166	175	203
Firm Load	2,202	2,039	1,894	1,786	2,016	2,478	2,749	2,612	2,149	1,892	1,996	2,282
Light Load	2,036	1,901	1,752	1,609	1,809	2,241	2,464	2,339	1,918	1,695	1,855	2,118
Heavy Load	2,333	2,141	2,006	1,915	2,193	2,652	2,975	2,827	2,333	2,035	2,120	2,412
System Load	2,202	2,039	1,894	1,786	2,016	2,478	2,749	2,612	2,149	1,892	1,996	2,282
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,202	2,039	1,894	1,786	2,016	2,478	2,749	2,612	2,149	1,892	1,996	2,282

Peak Load (MW) - 95th Percentile

	Jan. 2020	Feb. 2020	Mar. 2020	Apr. 2020	May. 2020	Jun. 2020	Jul. 2020	Aug. 2020	Sep. 2020	Oct. 2020	Nov. 2020	Dec. 2020
Energy Efficiency (MW)	-87	-84	-83	-83	-111	-150	-190	-185	-144	-96	-86	-85
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,842	2,643	2,602	2,074	3,395	3,895	4,047	3,622	3,291	2,368	2,727	3,216
System Peak (1 Hour)	2,842	2,643	2,602	2,074	3,395	3,895	4,047	3,622	3,291	2,368	2,727	3,216
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,842	2,643	2,602	2,074	3,395	3,895	4,047	3,622	3,291	2,368	2,727	3,216

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2021	Feb. 2021	Mar. 2021	Apr. 2021	May. 2021	Jun. 2021	Jul. 2021	Aug. 2021	Sep. 2021	Oct. 2021	Nov. 2021	Dec. 2021
Residential	945	827	712	544	527	653	790	790	618	619	774	984
Commercial	594	572	550	488	521	595	634	631	561	545	557	605
Irrigation	0	0	4	105	285	528	599	474	299	73	2	2
Industrial	344	333	334	325	333	355	347	355	350	356	350	350
Additional Firm	170	171	167	165	165	156	168	165	162	164	167	171
Loss	181	167	154	184	213	230	258	244	196	169	178	207
Firm Load	2,235	2,070	1,922	1,810	2,044	2,517	2,796	2,658	2,185	1,925	2,029	2,318
Light Load	2,066	1,930	1,778	1,631	1,835	2,276	2,506	2,380	1,951	1,724	1,885	2,152
Heavy Load	2,380	2,175	2,026	1,941	2,224	2,694	3,006	2,877	2,372	2,083	2,144	2,450
System Load	2,235	2,070	1,922	1,810	2,044	2,517	2,796	2,658	2,185	1,925	2,029	2,318
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,235	2,070	1,922	1,810	2,044	2,517	2,796	2,658	2,185	1,925	2,029	2,318

Peak Load (MW) - 95th Percentile

	Jan. 2021	Feb. 2021	Mar. 2021	Apr. 2021	May. 2021	Jun. 2021	Jul. 2021	Aug. 2021	Sep. 2021	Oct. 2021	Nov. 2021	Dec. 2021
Energy Efficiency (MW)	-92	-90	-88	-88	-117	-159	-200	-195	-152	-102	-92	-91
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,881	2,670	2,644	2,100	3,449	3,966	4,124	3,695	3,338	2,398	2,761	3,284
System Peak (1 Hour)	2,881	2,670	2,644	2,100	3,449	3,966	4,124	3,695	3,338	2,398	2,761	3,284
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,881	2,670	2,644	2,100	3,449	3,966	4,124	3,695	3,338	2,398	2,761	3,284

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2022	Feb. 2022	Mar. 2022	Apr. 2022	May. 2022	Jun. 2022	Jul. 2022	Aug. 2022	Sep. 2022	Oct. 2022	Nov. 2022	Dec. 2022
Residential	958	837	721	550	534	667	810	811	631	630	788	1,000
Commercial	605	583	562	498	533	610	651	646	574	557	568	616
Irrigation	0	0	5	105	286	529	601	475	299	73	2	2
Industrial	350	338	339	331	339	361	354	361	355	362	356	356
Additional Firm	170	171	167	165	165	156	168	165	162	164	167	171
Loss	184	169	157	186	216	233	262	248	199	172	182	210
Firm Load	2,268	2,099	1,950	1,835	2,073	2,557	2,845	2,705	2,221	1,958	2,063	2,355
Light Load	2,096	1,957	1,804	1,653	1,861	2,312	2,549	2,422	1,983	1,754	1,916	2,186
Heavy Load	2,415	2,205	2,056	1,967	2,255	2,736	3,099	2,909	2,412	2,119	2,179	2,477
System Load	2,268	2,099	1,950	1,835	2,073	2,557	2,845	2,705	2,221	1,958	2,063	2,355
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,268	2,099	1,950	1,835	2,073	2,557	2,845	2,705	2,221	1,958	2,063	2,355

Peak Load (MW) - 95th Percentile

	Jan. 2022	Feb. 2022	Mar. 2022	Apr. 2022	May. 2022	Jun. 2022	Jul. 2022	Aug. 2022	Sep. 2022	Oct. 2022	Nov. 2022	Dec. 2022
Energy Efficiency (MW)	-97	-95	-94	-93	-123	-167	-210	-206	-160	-107	-97	-96
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,920	2,696	2,686	2,127	3,502	4,037	4,202	3,768	3,385	2,430	2,796	3,351
System Peak (1 Hour)	2,920	2,696	2,686	2,127	3,502	4,037	4,202	3,768	3,385	2,430	2,796	3,351
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,920	2,696	2,686	2,127	3,502	4,037	4,202	3,768	3,385	2,430	2,796	3,351

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2023	Feb. 2023	Mar. 2023	Apr. 2023	May. 2023	Jun. 2023	Jul. 2023	Aug. 2023	Sep. 2023	Oct. 2023	Nov. 2023	Dec. 2023
Residential	970	847	730	556	542	681	830	831	644	641	801	1,015
Commercial	617	594	573	509	545	626	667	661	588	570	580	628
Irrigation	0	0	5	105	286	530	602	475	300	73	2	2
Industrial	356	344	345	337	345	368	360	367	362	368	362	362
Additional Firm	169	169	166	164	164	155	167	164	161	163	166	170
Loss	187	172	159	189	219	237	267	253	203	175	185	213
Firm Load	2,299	2,126	1,978	1,859	2,100	2,596	2,892	2,752	2,257	1,990	2,095	2,391
Light Load	2,125	1,983	1,830	1,675	1,885	2,347	2,592	2,464	2,015	1,782	1,947	2,219
Heavy Load	2,436	2,234	2,085	2,006	2,270	2,778	3,151	2,960	2,451	2,153	2,214	2,538
System Load	2,299	2,126	1,978	1,859	2,100	2,596	2,892	2,752	2,257	1,990	2,095	2,391
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,299	2,126	1,978	1,859	2,100	2,596	2,892	2,752	2,257	1,990	2,095	2,391

Peak Load (MW) - 95th Percentile

	Jan. 2023	Feb. 2023	Mar. 2023	Apr. 2023	May. 2023	Jun. 2023	Jul. 2023	Aug. 2023	Sep. 2023	Oct. 2023	Nov. 2023	Dec. 2023
Energy Efficiency (MW)	-103	-100	-99	-98	-130	-174	-219	-216	-169	-112	-102	-101
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,957	2,720	2,726	2,153	3,555	4,108	4,280	3,841	3,432	2,460	2,830	3,417
System Peak (1 Hour)	2,957	2,720	2,726	2,153	3,555	4,108	4,280	3,841	3,432	2,460	2,830	3,417
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,957	2,720	2,726	2,153	3,555	4,108	4,280	3,841	3,432	2,460	2,830	3,417

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2024	Feb. 2024	Mar. 2024	Apr. 2024	May. 2024	Jun. 2024	Jul. 2024	Aug. 2024	Sep. 2024	Oct. 2024	Nov. 2024	Dec. 2024
Residential	983	856	738	562	549	695	852	852	657	653	814	1,031
Commercial	628	606	586	519	557	642	684	678	602	582	592	640
Irrigation	0	0	5	105	287	531	603	476	301	73	2	2
Industrial	361	349	351	342	350	374	365	373	367	373	368	368
Additional Firm	169	167	166	164	164	155	167	164	161	163	166	170
Loss	189	174	161	191	222	241	271	257	206	178	188	217
Firm Load	2,331	2,153	2,007	1,883	2,129	2,637	2,941	2,800	2,294	2,022	2,128	2,427
Light Load	2,155	2,007	1,857	1,697	1,911	2,385	2,636	2,507	2,048	1,811	1,977	2,253
Heavy Load	2,470	2,260	2,125	2,019	2,300	2,840	3,182	3,012	2,509	2,174	2,249	2,577
System Load	2,331	2,153	2,007	1,883	2,129	2,637	2,941	2,800	2,294	2,022	2,128	2,427
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,331	2,153	2,007	1,883	2,129	2,637	2,941	2,800	2,294	2,022	2,128	2,427

Peak Load (MW) - 95th Percentile

	Jan. 2024	Feb. 2024	Mar. 2024	Apr. 2024	May. 2024	Jun. 2024	Jul. 2024	Aug. 2024	Sep. 2024	Oct. 2024	Nov. 2024	Dec. 2024
Energy Efficiency (MW)	-108	-105	-102	-102	-135	-181	-229	-225	-176	-118	-106	-105
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	2,994	2,745	2,768	2,178	3,608	4,181	4,359	3,916	3,481	2,490	2,865	3,483
System Peak (1 Hour)	2,994	2,745	2,768	2,178	3,608	4,181	4,359	3,916	3,481	2,490	2,865	3,483
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	2,994	2,745	2,768	2,178	3,608	4,181	4,359	3,916	3,481	2,490	2,865	3,483

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2025	Feb. 2025	Mar. 2025	Apr. 2025	May. 2025	Jun. 2025	Jul. 2025	Aug. 2025	Sep. 2025	Oct. 2025	Nov. 2025	Dec. 2025
Residential	996	866	747	568	557	710	873	872	672	664	827	1,047
Commercial	640	618	598	530	570	658	701	696	616	595	604	652
Irrigation	0	0	5	105	287	532	604	477	301	73	2	2
Industrial	368	356	358	348	357	381	372	381	375	381	376	375
Additional Firm	167	168	165	163	163	154	166	163	160	162	164	168
Loss	192	176	164	194	225	245	276	262	210	181	191	220
Firm Load	2,363	2,184	2,036	1,908	2,159	2,680	2,992	2,851	2,333	2,056	2,163	2,464
Light Load	2,185	2,036	1,884	1,720	1,938	2,423	2,681	2,553	2,083	1,842	2,010	2,287
Heavy Load	2,504	2,295	2,156	2,047	2,333	2,885	3,237	3,086	2,533	2,211	2,297	2,604
System Load	2,363	2,184	2,036	1,908	2,159	2,680	2,992	2,851	2,333	2,056	2,163	2,464
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,363	2,184	2,036	1,908	2,159	2,680	2,992	2,851	2,333	2,056	2,163	2,464

Peak Load (MW) - 95th Percentile

	Jan. 2025	Feb. 2025	Mar. 2025	Apr. 2025	May. 2025	Jun. 2025	Jul. 2025	Aug. 2025	Sep. 2025	Oct. 2025	Nov. 2025	Dec. 2025
Energy Efficiency (MW)	-113	-110	-107	-107	-141	-188	-239	-234	-184	-123	-111	-111
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	3,033	2,772	2,811	2,204	3,663	4,254	4,440	3,993	3,527	2,523	2,902	3,552
System Peak (1 Hour)	3,033	2,772	2,811	2,204	3,663	4,254	4,440	3,993	3,527	2,523	2,902	3,552
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,033	2,772	2,811	2,204	3,663	4,254	4,440	3,993	3,527	2,523	2,902	3,552

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2026	Feb. 2026	Mar. 2026	Apr. 2026	May. 2026	Jun. 2026	Jul. 2026	Aug. 2026	Sep. 2026	Oct. 2026	Nov. 2026	Dec. 2026
Residential	1,009	876	756	574	565	726	897	896	687	676	841	1,063
Commercial	652	630	611	542	583	675	719	713	631	609	616	664
Irrigation	0	0	5	105	288	533	605	478	302	73	2	2
Industrial	378	365	367	357	366	391	382	391	384	391	385	385
Additional Firm	166	166	163	162	162	153	164	162	159	160	163	167
Loss	195	179	166	197	229	249	281	267	214	184	194	224
Firm Load	2,400	2,216	2,068	1,937	2,193	2,727	3,049	2,907	2,376	2,094	2,201	2,504
Light Load	2,219	2,066	1,914	1,745	1,968	2,465	2,732	2,603	2,121	1,876	2,045	2,324
Heavy Load	2,543	2,329	2,190	2,077	2,385	2,918	3,298	3,147	2,580	2,252	2,337	2,646
System Load	2,400	2,216	2,068	1,937	2,193	2,727	3,049	2,907	2,376	2,094	2,201	2,504
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,400	2,216	2,068	1,937	2,193	2,727	3,049	2,907	2,376	2,094	2,201	2,504

Peak Load (MW) - 95th Percentile

	Jan. 2026	Feb. 2026	Mar. 2026	Apr. 2026	May. 2026	Jun. 2026	Jul. 2026	Aug. 2026	Sep. 2026	Oct. 2026	Nov. 2026	Dec. 2026
Energy Efficiency (MW)	-114	-111	-108	-108	-142	-191	-243	-238	-187	-124	-112	-112
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	3,075	2,802	2,857	2,234	3,721	4,332	4,527	4,075	3,579	2,559	2,942	3,622
System Peak (1 Hour)	3,075	2,802	2,857	2,234	3,721	4,332	4,527	4,075	3,579	2,559	2,942	3,622
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,075	2,802	2,857	2,234	3,721	4,332	4,527	4,075	3,579	2,559	2,942	3,622

70th Percentile Sales and Load Forecast

Average Load (aMW) - 70th Percentile

	Jan. 2027	Feb. 2027	Mar. 2027	Apr. 2027	May. 2027	Jun. 2027	Jul. 2027	Aug. 2027	Sep. 2027	Oct. 2027	Nov. 2027	Dec. 2027
Residential	1,021	885	765	580	573	742	920	920	702	688	854	1,078
Commercial	664	642	623	553	597	692	738	731	646	622	628	676
Irrigation	0	0	5	105	288	534	606	479	302	74	2	2
Industrial	388	375	377	367	376	401	391	401	394	401	395	394
Additional Firm	164	165	162	160	161	152	163	161	158	159	162	166
Loss	198	182	169	200	232	253	287	272	218	188	198	227
Firm Load	2,436	2,248	2,100	1,965	2,226	2,774	3,106	2,963	2,420	2,132	2,238	2,543
Light Load	2,252	2,096	1,943	1,771	1,998	2,508	2,783	2,653	2,160	1,909	2,080	2,361
Heavy Load	2,594	2,362	2,214	2,107	2,422	2,968	3,339	3,208	2,627	2,307	2,365	2,688
System Load	2,436	2,248	2,100	1,965	2,226	2,774	3,106	2,963	2,420	2,132	2,238	2,543
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0	0	0
Total Load	2,436	2,248	2,100	1,965	2,226	2,774	3,106	2,963	2,420	2,132	2,238	2,543

Peak Load (MW) - 95th Percentile

	Jan. 2027	Feb. 2027	Mar. 2027	Apr. 2027	May. 2027	Jun. 2027	Jul. 2027	Aug. 2027	Sep. 2027	Oct. 2027	Nov. 2027	Dec. 2027
Energy Efficiency (MW)	-115	-112	-109	-109	-144	-193	-247	-242	-189	-125	-113	-113
Demand Response (MW)	0	0	0	0	0	-84	-82	-75	0	0	0	0
Firm Peak Load	3,117	2,831	2,903	2,263	3,779	4,409	4,615	4,155	3,632	2,595	2,981	3,688
System Peak (1 Hour)	3,117	2,831	2,903	2,263	3,779	4,409	4,615	4,155	3,632	2,595	2,981	3,688
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,117	2,831	2,903	2,263	3,779	4,409	4,615	4,155	3,632	2,595	2,981	3,688

70th Percentile Sales and Load Forecast Annual Summary

Billed Sales (MWh) - 70th Percentile

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	5,406,449	5,519,177	5,607,822	5,704,610	5,759,539	5,818,634	5,857,860	5,899,681	6,001,595	6,047,071
Commercial	4,031,788	4,114,624	4,205,782	4,291,241	4,356,369	4,424,778	4,474,860	4,525,631	4,616,109	4,662,988
Irrigation	1,754,686	1,751,251	1,749,602	1,745,944	1,742,301	1,739,424	1,730,949	1,733,909	1,736,819	1,731,189
Industrial	2,411,609	2,460,859	2,515,918	2,563,563	2,607,249	2,650,684	2,685,765	2,732,383	2,781,434	2,810,881
Additional Firm	1,168,602	1,472,472	1,509,783	1,512,208	1,468,718	1,466,455	1,462,890	1,463,064	1,466,036	1,459,239
Firm Sales	4,773,134	15,318,384	15,588,906	15,817,567	15,934,177	16,099,974	16,212,324	16,354,669	16,601,993	16,711,367
System Sales	4,773,134	15,318,384	15,588,906	15,817,567	15,934,177	16,099,974	16,212,324	16,354,669	16,601,993	16,711,367
Firm Off-System Sales	0	0	0	0	0	0	0	0	0	0
Total Sales	4,773,134	15,318,384	15,588,906	15,817,567	15,934,177	16,099,974	16,212,324	16,354,669	16,601,993	16,711,367

Generation Month Sales (MWh) - 70th Percentile

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	5,432,748	5,525,803	5,614,938	5,708,787	5,782,778	5,821,569	5,860,805	5,906,581	6,024,035	6,050,076
Commercial	4,047,538	4,119,613	4,210,673	4,295,119	4,372,701	4,427,833	4,477,699	4,530,509	4,631,795	4,664,803
Irrigation	1,754,697	1,751,254	1,749,603	1,745,945	1,742,310	1,739,421	1,730,951	1,733,912	1,736,822	1,731,190
Industrial	2,414,715	2,465,851	2,520,663	2,567,677	2,610,442	2,655,148	2,688,627	2,736,533	2,785,052	2,814,178
Additional Firm	1,168,602	1,472,472	1,509,783	1,512,208	1,468,718	1,466,455	1,462,890	1,463,064	1,466,036	1,459,239
Firm Sales	4,818,299	15,334,994	15,605,660	15,829,736	15,976,950	16,110,426	16,220,972	16,370,598	16,643,741	16,719,486
System Sales	4,818,299	15,334,994	15,605,660	15,829,736	15,976,950	16,110,426	16,220,972	16,370,598	16,643,741	16,719,486
Firm Off-System Sales	0	0	0	0	0	0	0	0	0	0
Total Sales	4,818,299	15,334,994	15,605,660	15,829,736	15,976,950	16,110,426	16,220,972	16,370,598	16,643,741	16,719,486
Loss	1,459,706	1,497,078	1,523,925	1,547,797	1,566,221	1,581,407	1,594,266	1,609,518	1,637,654	1,646,402
Required Generation	6,278,005	16,832,072	17,129,585	17,377,533	17,543,171	17,691,834	17,815,238	17,980,116	18,281,395	18,365,888

Average Load (aMW) - 70th Percentile

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Residential	618	631	641	652	658	665	669	674	686	691
Commercial	461	470	481	490	498	505	511	517	527	533
Irrigation	200	200	200	199	198	199	198	198	198	198
Industrial	275	281	288	293	297	303	307	312	317	321
Additional Firm	133	168	172	173	167	167	167	167	167	167
Loss	166	171	174	177	178	181	182	184	186	188
Firm Load	1,853	1,921	1,955	1,984	1,997	2,020	2,034	2,053	2,081	2,097
Light Load	1,686	1,748	1,779	1,804	1,817	1,837	1,850	1,867	1,893	1,907
Heavy Load	1,984	2,058	2,093	2,124	2,139	2,163	2,178	2,198	2,228	2,246
System Load	1,853	1,921	1,955	1,984	1,997	2,020	2,034	2,053	2,081	2,097
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0
Total Load	1,853	1,921	1,955	1,984	1,997	2,020	2,034	2,053	2,081	2,097

Peak Load (MW) - 95th Percentile

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Energy Efficiency (MW)	-30	-46	-61	-76	-92	-107	-123	-135	-146	-157
Demand Response (MW)	-66	-78	-82	-82	-82	-82	-82	-82	-82	-82
Firm Peak Load	3,284	3,383	3,446	3,511	3,558	3,617	3,666	3,723	3,793	3,846
System Peak (1 Hour)	3,284	3,383	3,446	3,511	3,558	3,617	3,666	3,723	3,793	3,846
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0
Loss	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,284	3,383	3,446	3,511	3,558	3,617	3,666	3,723	3,793	3,846

70th Percentile Sales and Load Forecast Annual Summary

Billed Sales (MWh) - 70th Percentile

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Residential	6,092,896	6,185,469	6,293,332	6,404,538	6,517,008	6,629,038	6,741,617	6,855,549	6,978,555	7,098,019
Commercial	4,697,953	4,790,210	4,893,302	4,999,267	5,109,859	5,221,664	5,338,038	5,456,192	5,578,226	5,699,631
Irrigation	1,733,400	1,736,359	1,739,433	1,742,480	1,745,480	1,748,474	1,751,469	1,754,517	1,757,473	1,760,269
Industrial	2,857,163	2,905,486	2,962,268	3,012,134	3,064,480	3,117,298	3,172,855	3,227,871	3,309,541	3,394,606
Additional Firm	1,458,939	1,458,839	1,461,536	1,454,039	1,453,139	1,443,139	1,445,036	1,432,339	1,421,239	1,411,239
Firm Sales	6,840,351	17,076,364	17,349,871	17,612,458	17,889,966	18,159,612	18,449,015	18,726,468	19,045,034	19,363,764
System Sales	6,840,351	17,076,364	17,349,871	17,612,458	17,889,966	18,159,612	18,449,015	18,726,468	19,045,034	19,363,764
Firm Off-System Sales	0	0	0	0	0	0	0	0	0	0
Total Sales	6,840,351	17,076,364	17,349,871	17,612,458	17,889,966	18,159,612	18,449,015	18,726,468	19,045,034	19,363,764

Generation Month Sales (MWh) - 70th Percentile

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Residential	6,099,009	6,192,568	6,320,697	6,411,872	6,524,277	6,636,308	6,770,076	6,862,937	6,985,669	7,104,797
Commercial	4,702,699	4,795,332	4,912,381	5,004,560	5,115,184	5,227,038	5,358,435	5,461,640	5,583,610	5,704,936
Irrigation	1,733,402	1,736,361	1,739,443	1,742,483	1,745,482	1,748,476	1,751,479	1,754,519	1,757,475	1,760,271
Industrial	2,861,277	2,909,639	2,966,392	3,017,181	3,069,076	3,122,075	3,176,821	3,233,353	3,316,711	3,401,936
Additional Firm	1,458,939	1,458,839	1,461,536	1,454,039	1,453,139	1,443,139	1,445,036	1,432,339	1,421,239	1,411,239
Firm Sales	6,855,326	17,092,739	17,400,449	17,630,134	17,907,158	18,177,036	18,501,847	18,744,787	19,064,704	19,383,178
System Sales	6,855,326	17,092,739	17,400,449	17,630,134	17,907,158	18,177,036	18,501,847	18,744,787	19,064,704	19,383,178
Firm Off-System Sales	0	0	0	0	0	0	0	0	0	0
Total Sales	6,855,326	17,092,739	17,400,449	17,630,134	17,907,158	18,177,036	18,501,847	18,744,787	19,064,704	19,383,178
Loss	1,659,878	1,684,385	1,715,335	1,739,502	1,767,607	1,795,567	1,827,850	1,853,015	1,885,664	1,918,006
Required Generation	8,515,203	18,777,124	19,115,784	19,369,636	19,674,765	19,972,603	20,329,697	20,597,803	20,950,368	21,301,184

Average Load (aMW) - 70th Percentile

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Residential	696	707	720	732	745	758	771	783	797	811
Commercial	537	547	559	571	584	597	610	623	637	651
Irrigation	198	198	198	199	199	200	199	200	201	201
Industrial	327	332	338	344	350	356	362	369	379	388
Additional Firm	167	167	166	166	166	165	165	164	162	161
Loss	189	192	195	199	202	205	208	212	215	219
Firm Load	2,114	2,144	2,176	2,211	2,246	2,280	2,314	2,351	2,392	2,432
Light Load	1,922	1,949	1,979	2,011	2,043	2,074	2,105	2,138	2,175	2,211
Heavy Load	2,264	2,296	2,330	2,367	2,405	2,442	2,478	2,518	2,561	2,603
System Load	2,114	2,144	2,176	2,211	2,246	2,280	2,314	2,351	2,392	2,432
Firm Off-System Load	0	0	0	0	0	0	0	0	0	0
Total Load	2,114	2,144	2,176	2,211	2,246	2,280	2,314	2,351	2,392	2,432

Peak Load (MW) - 95th Percentile

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Energy Efficiency (MW)	-168	-179	-190	-200	-210	-219	-229	-239	-243	-247
Demand Response (MW)	-82	-82	-82	-82	-82	-82	-82	-82	-82	-82
Firm Peak Load	3,901	3,972	4,047	4,124	4,202	4,280	4,359	4,440	4,527	4,615
System Peak (1 Hour)	3,901	3,972	4,047	4,124	4,202	4,280	4,359	4,440	4,527	4,615
Firm Off-System Peak	0	0	0	0	0	0	0	0	0	0
Loss	0	0	0	0	0	0	0	0	0	0
Total Peak Load	3,901	3,972	4,047	4,124	4,202	4,280	4,359	4,440	4,527	4,615

Appendix B

Aurora CCCT Analysis Assumptions

Aurora CCCT Analysis Assumptions

295.7 MW 1x1 Combined-Cycle Natural Gas Plant	
Heat rate	7,300
Heat rate at Min	8,300
Minimum Capacity	50%
Minimum Up Time	4 hours
Minimum Down Time	1 hour
Variable Cost	$1.94
Levelized Fixed Cost	$40,474,404

Natural Gas Prices (Henry Hub - November 2007)	Year	Average Price
	2012	$7.45
	2013	$7.55

Hydro Conditions Base Case hydro conditions are defined at the 50th percentile for Idaho Power projects (Pacific Northwest projects at Aurora default values). Low Hydro conditions are at the 70th percentile for Idaho Power projects (27% energy reduction from the Base Case) and energy from other Pacific Northwest hydro projects is reduced by 20% from Aurora default values.

Transmission The Base Case scenario includes the transmission upgrade from the southern Idaho node to the Oregon/ Washington NE node (225 MW additional transfer capacity). The "No Transmission Upgrade" scenario does not include this additional transfer capability.

Forecast Load 2008 IRP Update Load Forecast (50th Percentile)

Year	aMW
2012	1,954
2013	1,976

Summary of the Operational Difference of a 2012 vs. 2013 Online Date
The table below summarizes the portfolio differences by year with the CCCT online date as the variable. The differences in the Aurora model simulations for each year are as follows:

2012 (CCCT in April 2012) - (No CCCT in 2012)
2013 (2012 CCCT All Year) - (CCCT in April 2013)

Fixed costs were calculated outside of the Aurora model and the results are in nominal dollars (in $000's).

	Base Case	Low Hydro	No Trans Upgrade	Low Hydro & No Trans Upgrade
2012 Fewer Market Purchases	$82,790	$106,229	$84,753	$103,727
2012 More Market Sales	$25,853	$18,630	$25,989	$18,646
2012 (Greater) Resource Costs	-$68,535	-$71,808	-$69,730	-$71,977
2012 Total Difference	**$40,108**	**$53,051**	**$41,012**	**$50,395**
2013 Fewer Market Purchases	$11,274	$32,531	$1,938	$39,000
2013 More (Fewer) Market Sales	$16,441	-$1,154	$19,956	$3,594
2013 (Greater) Resource Costs	-$24,797	-$27,392	-$25,703	-$30,400
2013 Total Difference	**$2,918**	**$3,985**	**-$3,809**	**$12,195**
Operational Value (All Years)	**$43,026**	**$57,036**	**$37,203**	**$62,590**
Fixed Cost (All Years)	-$34,808	-$34,808	-$34,808	-$34,808
Benefit of 2012 On-Line Date	$8,218	$22,228	$2,395	$27,782

Appendix C

Load and Resource Balance

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2009	Feb. 2009	Mar. 2009	Apr. 2009	May. 2009	Jun. 2009	Jul. 2009	Aug. 2009	Sep. 2009	Oct. 2009	Nov. 2009	Dec. 2009
Average Load Forecast	-1,921	-1,802	-1,653	-1,594	-1,791	-2,178	-2,412	-2,256	-1,882	-1,630	-1,709	-1,947
Existing Resources (2006 IRP)												
Coal	895	895	895	846	616	845	895	895	895	894	895	895
Hydro (70th%) - HCC	654	618	722	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	261	353	307	252	261	276	325	330	277	231	216	218
CSPP (including wind)	111	121	116	128	165	192	186	176	172	146	119	123
PPL MT	0	0	0	0	0	46	45	45	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,221**	**2,248**	**2,108**	**2,136**	**2,060**	**2,172**	**2,128**	**2,194**	**1,826**	**1,822**	**1,944**	**1,988**
Monthly Surplus/Deficit	**300**	**446**	**455**	**542**	**269**	**-6**	**-284**	**-62**	**-56**	**192**	**235**	**41**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	0	0	0	0	0	0	0	0	0	0	0	0
2012 IRP Wind	0	0	0	0	0	0	0	0	0	0	0	0
2012 Hemingway-Boardman	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal	0	0	0	0	0	0	0	0	0	0	0	0
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
DSM	28	28	28	28	28	28	28	28	28	28	28	28
Subtotal	**107**	**107**	**107**	**107**	**107**	**107**	**107**	**107**	**107**	**107**	**107**	**107**
Monthly Average Energy Surplus/Deficit	**407**	**553**	**562**	**649**	**376**	**101**	**-177**	**45**	**51**	**298**	**342**	**147**

2008 IRP Update	Jan. 2009	Feb. 2009	Mar. 2009	Apr. 2009	May. 2009	Jun. 2009	Jul. 2009	Aug. 2009	Sep. 2009	Oct. 2009	Nov. 2009	Dec. 2009
Average Load Forecast Change	-19	-17	-22	-5	-16	-14	-1	-25	-10	-23	-42	-68
Updated Average Load Forecast	-1,940	-1,819	-1,675	-1,599	-1,807	-2,192	-2,413	-2,281	-1,892	-1,653	-1,751	-2,015
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	-4	1	25	51	161	103	-134	-146	-28	-20	0	0
Updated CSPP Forecast (3/21/08)	-51	-55	-42	-33	-32	-52	-51	-46	-55	-56	-53	-56
Subtotal	**-55**	**-54**	**-17**	**18**	**129**	**51**	**-185**	**-192**	**-83**	**-76**	**-53**	**-56**
Updated Monthly Surplus/Deficit	**226**	**375**	**415**	**555**	**382**	**31**	**-470**	**-279**	**-148**	**92**	**140**	**-83**
Changes to IRP Resources												
Remove IRP DSM	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28
2009 Geothermal - Adjust Timing	-35	-35	-35	-35	-35	-23	-24	-23	-23	-23	-22	-35
2010 CHP - Remove	0	0	0	0	0	0	0	0	0	0	0	0
2011 Geothermal - New RFP	0	0	0	0	0	0	0	0	0	0	0	0
2012 Wind - Remove	0	0	0	0	0	0	0	0	0	0	0	0
2012 CCCT - Add	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal - Remove	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	**-63**	**-63**	**-63**	**-63**	**-63**	**-51**	**-52**	**-51**	**-51**	**-50**	**-49**	**-63**
Updated Monthly Average Energy Surplus/Deficit	**270**	**419**	**459**	**599**	**426**	**87**	**-415**	**-224**	**-92**	**149**	**198**	**-39**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2010	Feb. 2010	Mar. 2010	Apr. 2010	May. 2010	Jun. 2010	Jul. 2010	Aug. 2010	Sep. 2010	Oct. 2010	Nov. 2010	Dec. 2010
Average Load Forecast	-1,957	-1,836	-1,685	-1,623	-1,823	-2,217	-2,459	-2,302	-1,920	-1,664	-1,742	-1,977
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	690	574	722	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	261	353	307	252	261	276	325	330	277	232	217	222
CSPP (including wind)	111	121	116	128	165	192	180	170	165	144	117	120
PPL MT	0	0	0	0	0	46	45	45	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,257**	**2,204**	**2,108**	**2,044**	**2,064**	**2,187**	**2,122**	**2,189**	**1,819**	**1,820**	**1,944**	**1,989**
Monthly Surplus/Deficit	**300**	**368**	**423**	**421**	**241**	**-30**	**-337**	**-113**	**-101**	**156**	**202**	**12**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	0	0	0	0	0	0	0	0	0	0	0	0
2012 Hemingway-Boardman	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal	0	0	0	0	0	0	0	0	0	0	0	0
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
DSM	37	37	37	37	37	37	37	37	37	37	37	37
Subtotal	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**
Monthly Average Energy Surplus/Deficit	**460**	**528**	**583**	**581**	**402**	**131**	**-176**	**47**	**60**	**317**	**362**	**172**

2008 IRP Update	Jan. 2010	Feb. 2010	Mar. 2010	Apr. 2010	May. 2010	Jun. 2010	Jul. 2010	Aug. 2010	Sep. 2010	Oct. 2010	Nov. 2010	Dec. 2010
Average Load Forecast Change	-39	-24	-28	-8	-14	-9	10	-12	1	-15	-36	-69
Updated Average Load Forecast	-1,996	-1,860	-1,713	-1,631	-1,837	-2,226	-2,449	-2,314	-1,919	-1,679	-1,778	-2,046
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	-1	-2	-4
Shift in Fish Water Releases	-4	1	25	51	161	103	-134	-146	-28	-20	0	0
Updated CSPP Forecast (3/21/08)	-51	-55	-42	-33	-32	-52	-45	-40	-48	-54	-50	-5
Subtotal	**-55**	**-54**	**-17**	**18**	**129**	**51**	**-179**	**-186**	**-76**	**-75**	**-52**	**-8**
Updated Monthly Surplus/Deficit	**206**	**290**	**378**	**431**	**356**	**12**	**-506**	**-312**	**-175**	**67**	**113**	**-65**
Changes to IRP Resources												
Remove IRP DSM	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37
2009 Geothermal - Adjust Timing	-35	-35	-35	-35	-35	-23	-24	-23	-23	-23	-8	-22
2010 CHP - Remove	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45
2011 Geothermal - New RFP	0	0	0	0	0	0	0	0	0	0	0	0
2012 Wind - Remove	0	0	0	0	0	0	0	0	0	0	0	0
2012 CCCT - Add	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal - Remove	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	**-117**	**-117**	**-117**	**-117**	**-117**	**-104**	**-105**	**-105**	**-104**	**-104**	**-90**	**-104**
Updated Monthly Average Energy Surplus/Deficit	**250**	**334**	**422**	**475**	**400**	**68**	**-451**	**-257**	**-119**	**123**	**184**	**-8**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2011	Feb. 2011	Mar. 2011	Apr. 2011	May. 2011	Jun. 2011	Jul. 2011	Aug. 2011	Sep. 2011	Oct. 2011	Nov. 2011	Dec. 2011
Average Load Forecast	-1,981	-1,860	-1,709	-1,645	-1,845	-2,246	-2,494	-2,337	-1,949	-1,689	-1,766	-2,000
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	699	563	722	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	279	402	335	251	260	274	340	348	282	232	217	222
CSPP (including wind)	108	118	113	124	158	184	177	167	165	144	117	120
PPL MT	0	0	0	0	0	46	43	46	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,281**	**2,239**	**2,133**	**2,039**	**2,055**	**2,178**	**2,133**	**2,206**	**1,824**	**1,820**	**1,944**	**1,989**
Monthly Surplus/Deficit	**300**	**379**	**424**	**394**	**210**	**-68**	**-361**	**-131**	**-125**	**131**	**178**	**-11**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	0	0	0	0	0	0	0	0	0	0	0	0
2012 Hemingway-Boardman	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal	0	0	0	0	0	0	0	0	0	0	0	0
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
DSM	44	44	44	44	44	44	44	44	44	44	44	44
Subtotal	**168**	**168**	**168**	**168**	**168**	**168**	**168**	**168**	**168**	**168**	**168**	**168**
Monthly Average Energy Surplus/Deficit	**468**	**547**	**592**	**562**	**379**	**100**	**-193**	**37**	**43**	**299**	**346**	**157**

2008 IRP Update	Jan. 2011	Feb. 2011	Mar. 2011	Apr. 2011	May. 2011	Jun. 2011	Jul. 2011	Aug. 2011	Sep. 2011	Oct. 2011	Nov. 2011	Dec. 2011
Average Load Forecast Change	-48	-30	-32	-10	-17	-12	8	-13	1	-12	-36	-66
Updated Average Load Forecast	-2,029	-1,890	-1,741	-1,655	-1,862	-2,258	-2,486	-2,350	-1,948	-1,701	-1,802	-2,066
Changes to Existing Resources												
Shoshone Falls	-18	-49	-28	1	2	1	-15	-18	-5	-1	-2	-4
Shift in Fish Water Releases	-4	1	25	43	148	93	-134	-140	-7	-20	0	0
Updated CSPP Forecast (3/21/08)	-10	-1	19	22	22	4	-7	-5	-4	-8	-8	-5
Subtotal	**-32**	**-49**	**16**	**67**	**172**	**98**	**-156**	**-163**	**-16**	**-29**	**-10**	**-8**
Updated Monthly Surplus/Deficit	**220**	**300**	**408**	**451**	**365**	**18**	**-508**	**-308**	**-140**	**90**	**133**	**-86**
Changes to IRP Resources												
Remove IRP DSM	-44	-44	-44	-44	-44	-44	-44	-44	-44	-44	-44	-44
2009 Geothermal - Adjust Timing	-9	-7	-10	-10	-12	1	-1	-1	1	2	5	-9
2010 CHP - Remove	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45
2011 Geothermal - New RFP	45	45	45	45	45	45	45	45	45	45	45	45
2012 Wind - Remove	0	0	0	0	0	0	0	0	0	0	0	0
2012 CCCT - Add	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal - Remove	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	**-53**	**-51**	**-54**	**-54**	**-56**	**-43**	**-45**	**-45**	**-43**	**-43**	**-40**	**-53**
Updated Monthly Average Energy Surplus/Deficit	**335**	**417**	**522**	**564**	**477**	**143**	**-385**	**-184**	**-15**	**216**	**261**	**29**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2012	Feb. 2012	Mar. 2012	Apr. 2012	May. 2012	Jun. 2012	Jul. 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012
Average Load Forecast	-2,002	-1,877	-1,729	-1,664	-1,867	-2,275	-2,529	-2,371	-1,976	-1,711	-1,788	-2,029
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	720	537	722	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	279	402	335	251	260	274	340	348	282	232	217	222
CSPP (including wind)	108	118	113	124	158	184	177	167	165	144	116	121
PPL MT	0	0	0	0	0	46	43	46	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,302**	**2,213**	**2,133**	**2,039**	**2,055**	**2,178**	**2,133**	**2,206**	**1,824**	**1,820**	**1,943**	**1,990**
Monthly Surplus/Deficit	**300**	**336**	**404**	**375**	**188**	**-97**	**-396**	**-165**	**-152**	**109**	**155**	**-39**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	47	47	47	47	47	47	47	47	47	47	47	47
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	0	0	0	0	0	0	0	0	0	0	0	0
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
DSM	51	51	51	51	51	51	51	51	51	51	51	51
Subtotal	**447**	**447**	**447**	**447**	**447**	**447**	**447**	**447**	**447**	**447**	**447**	**447**
Monthly Average Energy Surplus/Deficit	**746**	**782**	**850**	**821**	**635**	**349**	**51**	**281**	**295**	**556**	**601**	**407**

2008 IRP Update	Jan. 2012	Feb. 2012	Mar. 2012	Apr. 2012	May. 2012	Jun. 2012	Jul. 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012
Average Load Forecast Change	-36	-18	-20	2	-4	3	25	3	15	-9	-33	-60
Updated Average Load Forecast	-2,038	-1,895	-1,749	-1,662	-1,871	-2,272	-2,504	-2,368	-1,961	-1,720	-1,821	-2,089
Changes to Existing Resources												
Shoshone Falls	-18	-49	-28	1	2	1	-15	-18	-5	-1	-2	-4
Shift in Fish Water Releases	-2	0	17	58	140	93	-134	-140	-7	-20	0	0
Updated CSPP Forecast (3/21/08)	-10	-1	19	22	22	4	-7	-5	-4	-8	-7	-5
Subtotal	**-30**	**-50**	**8**	**82**	**164**	**98**	**-156**	**-163**	**-16**	**-29**	**-9**	**-9**
Updated Monthly Surplus/Deficit	**234**	**267**	**391**	**459**	**348**	**3**	**-527**	**-325**	**-153**	**71**	**113**	**-108**
Changes to IRP Resources												
Remove IRP DSM	-51	-51	-51	-51	-51	-51	-51	-51	-51	-51	-51	-51
2009 Geothermal - Adjust Timing	-9	-8	-10	-10	-12	1	-1	-1	1	2	5	-9
2010 CHP - Remove	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45
2011 Geothermal - New RFP	45	45	45	45	45	45	45	45	45	45	45	45
2012 Wind - Remove	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47
2012 CCCT - Add	0	0	0	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	**-107**	**-106**	**-108**	**142**	**141**	**153**	**151**	**152**	**154**	**154**	**157**	**143**
Updated Monthly Average Energy Surplus/Deficit	**574**	**608**	**730**	**1,048**	**936**	**603**	**71**	**273**	**447**	**672**	**716**	**481**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2013	Feb. 2013	Mar. 2013	Apr. 2013	May. 2013	Jun. 2013	Jul. 2013	Aug. 2013	Sep. 2013	Oct. 2013	Nov. 2013	Dec. 2013
Average Load Forecast	-2,037	-1,913	-1,762	-1,693	-1,898	-2,315	-2,577	-2,418	-2,014	-1,745	-1,821	-2,064
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	754	499	718	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	279	402	335	251	260	274	340	348	282	232	217	222
CSPP (including wind)	109	117	112	125	157	182	178	170	166	143	116	121
PPL MT	0	0	0	0	0	44	45	46	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,337**	**2,173**	**2,128**	**2,039**	**2,054**	**2,174**	**2,135**	**2,208**	**1,825**	**1,820**	**1,943**	**1,990**
Monthly Surplus/Deficit	**300**	**260**	**366**	**346**	**156**	**-141**	**-442**	**-210**	**-189**	**75**	**122**	**-74**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	47	47	47	47	47	47	47	47	47	47	47	47
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	220	220	220	220	220	220	220	220	220	220	220	220
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
DSM	57	57	57	57	57	57	57	57	57	57	57	57
Subtotal	**672**	**672**	**672**	**672**	**672**	**672**	**672**	**672**	**672**	**672**	**672**	**672**
Monthly Average Energy Surplus/Deficit	**973**	**933**	**1,038**	**1,019**	**829**	**531**	**231**	**462**	**484**	**747**	**794**	**598**

2008 IRP Update	Jan. 2013	Feb. 2013	Mar. 2013	Apr. 2013	May. 2013	Jun. 2013	Jul. 2013	Aug. 2013	Sep. 2013	Oct. 2013	Nov. 2013	Dec. 2013
Average Load Forecast Change	-23	-3	-6	15	9	18	45	22	30	4	-23	-46
Updated Average Load Forecast	-2,060	-1,916	-1,768	-1,678	-1,889	-2,297	-2,532	-2,396	-1,984	-1,741	-1,844	-2,110
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	-2	0	17	58	140	93	-134	-140	-7	-20	0	0
Updated CSPP Forecast (3/21/08)	-11	0	20	22	23	6	-7	-7	-6	-8	-7	-5
Subtotal	**-13**	**0**	**37**	**80**	**163**	**99**	**-141**	**-147**	**-13**	**-28**	**-7**	**-5**
Updated Monthly Surplus/Deficit	**264**	**257**	**396**	**441**	**328**	**-24**	**-538**	**-335**	**-171**	**51**	**92**	**-125**
Changes to IRP Resources												
Remove IRP DSM	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57
2009 Geothermal - Adjust Timing	-9	-7	-10	-10	-12	1	-1	-1	1	2	5	-9
2010 CHP - Remove	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45
2011 Geothermal - New RFP	45	45	45	45	45	45	45	45	45	45	45	45
2012 Wind - Remove	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220
Subtotal	**-83**	**-80**	**-84**	**-84**	**-85**	**-73**	**-75**	**-74**	**-72**	**-72**	**-69**	**-83**
Updated Monthly Average Energy Surplus/Deficit	**854**	**849**	**985**	**1,030**	**916**	**575**	**60**	**263**	**429**	**651**	**696**	**464**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2014	Feb. 2014	Mar. 2014	Apr. 2014	May. 2014	Jun. 2014	Jul. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014
Average Load Forecast	-2,071	-1,945	-1,794	-1,722	-1,929	-2,356	-2,624	-2,465	-2,053	-1,778	-1,854	-2,098
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	763	531	673	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	279	402	335	251	260	274	340	348	282	232	217	222
CSPP (including wind)	109	117	105	118	149	178	169	162	157	136	109	114
PPL MT	0	0	0	0	0	44	45	45	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,345**	**2,205**	**2,076**	**2,032**	**2,047**	**2,170**	**2,127**	**2,198**	**1,816**	**1,812**	**1,936**	**1,983**
Monthly Surplus/Deficit	**274**	**260**	**282**	**310**	**118**	**-186**	**-497**	**-267**	**-237**	**34**	**82**	**-115**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	47	47	47	47	47	47	47	47	47	47	47	47
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	220	220	220	220	220	220	220	220	220	220	220	220
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
DSM	62	62	62	62	62	62	62	62	62	62	62	62
Subtotal	**678**	**678**	**678**	**678**	**678**	**678**	**678**	**678**	**678**	**678**	**678**	**678**
Monthly Average Energy Surplus/Deficit	**952**	**938**	**960**	**988**	**795**	**492**	**181**	**411**	**441**	**712**	**760**	**563**

2008 IRP Update	Jan. 2014	Feb. 2014	Mar. 2014	Apr. 2014	May. 2014	Jun. 2014	Jul. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014
Average Load Forecast Change	-2	17	14	34	29	43	73	49	54	22	-5	-27
Updated Average Load Forecast	-2,073	-1,928	-1,780	-1,688	-1,900	-2,313	-2,551	-2,416	-1,999	-1,756	-1,859	-2,125
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	-2	0	17	58	140	93	-134	-140	-7	-20	0	0
Updated CSPP Forecast (3/21/08)	-11	0	27	29	31	10	1	1	4	0	0	1
Subtotal	**-13**	**0**	**44**	**87**	**171**	**103**	**-133**	**-139**	**-3**	**-20**	**0**	**1**
Updated Monthly Surplus/Deficit	**260**	**278**	**339**	**431**	**318**	**-40**	**-557**	**-357**	**-186**	**36**	**77**	**-141**
Changes to IRP Resources												
Remove IRP DSM	-62	-62	-62	-62	-62	-62	-62	-62	-62	-62	-62	-62
2009 Geothermal - Adjust Timing	-9	-7	-10	-10	-12	1	-1	-1	1	2	5	-9
2010 CHP - Remove	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45
2011 Geothermal - New RFP	45	45	45	45	45	45	45	45	45	45	45	45
2012 Wind - Remove	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220
Subtotal	**-88**	**-86**	**-89**	**-89**	**-91**	**-78**	**-80**	**-79**	**-77**	**-77**	**-74**	**-88**
Updated Monthly Average Energy Surplus/Deficit	**849**	**870**	**928**	**1,020**	**905**	**560**	**41**	**242**	**414**	**637**	**681**	**449**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2015	Feb. 2015	Mar. 2015	Apr. 2015	May. 2015	Jun. 2015	Jul. 2015	Aug. 2015	Sep. 2015	Oct. 2015	Nov. 2015	Dec. 2015
Average Load Forecast	-2,106	-1,979	-1,827	-1,752	-1,963	-2,399	-2,676	-2,516	-2,093	-1,813	-1,888	-2,134
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	763	556	646	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	279	402	335	251	260	274	340	348	282	232	217	222
CSPP (including wind)	102	110	105	117	148	177	169	161	153	134	109	114
PPL MT	0	0	0	0	0	46	45	45	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,338**	**2,224**	**2,049**	**2,032**	**2,046**	**2,171**	**2,126**	**2,197**	**1,812**	**1,811**	**1,936**	**1,983**
Monthly Surplus/Deficit	**232**	**245**	**222**	**280**	**83**	**-228**	**-550**	**-319**	**-281**	**-2**	**48**	**-151**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	47	47	47	47	47	47	47	47	47	47	47	47
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	220	220	220	220	220	220	220	220	220	220	220	220
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
DSM	67	67	67	67	67	67	67	67	67	67	67	67
Subtotal	**682**	**682**	**682**	**682**	**682**	**682**	**682**	**682**	**682**	**682**	**682**	**682**
Monthly Average Energy Surplus/Deficit	**915**	**927**	**904**	**962**	**765**	**454**	**133**	**364**	**401**	**680**	**730**	**531**

2008 IRP Update	Jan. 2015	Feb. 2015	Mar. 2015	Apr. 2015	May. 2015	Jun. 2015	Jul. 2015	Aug. 2015	Sep. 2015	Oct. 2015	Nov. 2015	Dec. 2015
Average Load Forecast Change	18	38	33	52	48	64	99	74	75	39	12	-17
Updated Average Load Forecast	-2,088	-1,941	-1,794	-1,700	-1,915	-2,335	-2,577	-2,442	-2,018	-1,774	-1,876	-2,151
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	-2	0	17	58	140	93	-134	-140	-7	-20	0	0
Updated CSPP Forecast (3/21/08)	-4	7	27	30	32	10	2	2	8	1	0	1
Subtotal	**-6**	**7**	**44**	**88**	**172**	**103**	**-132**	**-138**	**1**	**-19**	**0**	**1**
Updated Monthly Surplus/Deficit	**244**	**290**	**299**	**419**	**303**	**-60**	**-583**	**-382**	**-206**	**18**	**59**	**-167**
Changes to IRP Resources												
Remove IRP DSM	-67	-67	-67	-67	-67	-67	-67	-67	-67	-67	-67	-67
2009 Geothermal - Adjust Timing	-9	-7	-10	-10	-12	1	-1	-1	1	2	5	-9
2010 CHP - Remove	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45
2011 Geothermal - New RFP	45	45	45	45	45	45	45	45	45	45	45	45
2012 Wind - Remove	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220
Subtotal	**-93**	**-90**	**-93**	**-94**	**-95**	**-82**	**-84**	**-84**	**-82**	**-82**	**-79**	**-93**
Updated Monthly Average Energy Surplus/Deficit	**834**	**882**	**887**	**1,008**	**890**	**540**	**15**	**216**	**395**	**619**	**663**	**423**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2016	Feb. 2016	Mar. 2016	Apr. 2016	May. 2016	Jun. 2016	Jul. 2016	Aug. 2016	Sep. 2016	Oct. 2016	Nov. 2016	Dec. 2016
Average Load Forecast	-2,141	-2,010	-1,860	-1,782	-1,996	-2,443	-2,728	-2,566	-2,134	-1,848	-1,922	-2,170
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	763	556	646	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	279	402	335	251	260	274	340	348	282	232	217	222
CSPP (including wind)	102	110	105	117	148	177	169	161	153	134	109	114
PPL MT	0	0	0	0	0	46	43	46	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,338**	**2,224**	**2,049**	**2,032**	**2,046**	**2,171**	**2,125**	**2,199**	**1,812**	**1,811**	**1,936**	**1,983**
Monthly Surplus/Deficit	**197**	**214**	**189**	**250**	**50**	**-272**	**-603**	**-367**	**-322**	**-37**	**14**	**-187**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	47	47	47	47	47	47	47	47	47	47	47	47
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	220	220	220	220	220	220	220	220	220	220	220	220
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
DSM	69	69	69	69	69	69	69	69	69	69	69	69
Subtotal	**685**	**685**	**685**	**685**	**685**	**685**	**685**	**685**	**685**	**685**	**685**	**685**
Monthly Average Energy Surplus/Deficit	**882**	**898**	**873**	**934**	**734**	**413**	**81**	**318**	**362**	**647**	**698**	**497**

2008 IRP Update	Jan. 2016	Feb. 2016	Mar. 2016	Apr. 2016	May. 2016	Jun. 2016	Jul. 2016	Aug. 2016	Sep. 2016	Oct. 2016	Nov. 2016	Dec. 2016
Average Load Forecast Change	24	45	41	61	57	75	111	85	85	46	17	-5
Updated Average Load Forecast	-2,117	-1,965	-1,819	-1,721	-1,939	-2,368	-2,617	-2,481	-2,049	-1,802	-1,905	-2,175
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	-2	0	17	58	140	93	-134	-140	-7	-20	0	0
Updated CSPP Forecast (3/21/08)	-4	7	27	30	32	10	2	2	8	1	0	1
Subtotal	**-6**	**7**	**44**	**88**	**172**	**103**	**-132**	**-138**	**1**	**-19**	**0**	**1**
Updated Monthly Surplus/Deficit	**215**	**266**	**274**	**398**	**278**	**-93**	**-625**	**-420**	**-236**	**-10**	**31**	**-191**
Changes to IRP Resources												
Remove IRP DSM	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69	-69
2009 Geothermal - Adjust Timing	-9	-8	-10	-10	-12	1	-1	-1	1	2	5	-9
2010 CHP - Remove	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45
2011 Geothermal - New RFP	45	45	45	45	45	45	45	45	45	45	45	45
2012 Wind - Remove	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220
Subtotal	**-95**	**-94**	**-96**	**-96**	**-97**	**-85**	**-87**	**-86**	**-84**	**-84**	**-81**	**-95**
Updated Monthly Average Energy Surplus/Deficit	**805**	**857**	**863**	**987**	**865**	**506**	**-27**	**179**	**364**	**590**	**635**	**399**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2017	Feb. 2017	Mar. 2017	Apr. 2017	May. 2017	Jun. 2017	Jul. 2017	Aug. 2017	Sep. 2017	Oct. 2017	Nov. 2017	Dec. 2017
Average Load Forecast	-2,177	-2,046	-1,893	-1,813	-2,030	-2,487	-2,781	-2,618	-2,176	-1,884	-1,956	-2,207
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	763	556	646	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	279	402	335	251	260	274	340	348	282	232	217	222
CSPP (including wind)	102	110	105	117	148	177	169	161	153	134	109	114
PPL MT	0	0	0	0	0	46	43	46	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,338**	**2,224**	**2,049**	**2,032**	**2,046**	**2,171**	**2,125**	**2,199**	**1,812**	**1,811**	**1,936**	**1,983**
Monthly Surplus/Deficit	**161**	**178**	**156**	**219**	**16**	**-316**	**-656**	**-419**	**-364**	**-73**	**-20**	**-224**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	47	47	47	47	47	47	47	47	47	47	47	47
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	220	220	220	220	220	220	220	220	220	220	220	220
2017 IGCC	200	200	200	200	200	200	200	200	200	200	200	200
DSM	71	71	71	71	71	71	71	71	71	71	71	71
Subtotal	**887**	**887**	**887**	**887**	**887**	**887**	**887**	**887**	**887**	**887**	**887**	**887**
Monthly Average Energy Surplus/Deficit	**1,048**	**1,065**	**1,043**	**1,105**	**902**	**571**	**231**	**468**	**523**	**813**	**867**	**663**

2008 IRP Update	Jan. 2017	Feb. 2017	Mar. 2017	Apr. 2017	May. 2017	Jun. 2017	Jul. 2017	Aug. 2017	Sep. 2017	Oct. 2017	Nov. 2017	Dec. 2017
Average Load Forecast Change	47	69	63	82	80	102	142	116	111	67	36	17
Updated Average Load Forecast	-2,130	-1,977	-1,830	-1,731	-1,950	-2,385	-2,639	-2,502	-2,065	-1,817	-1,920	-2,190
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	-2	0	17	58	140	93	-134	-140	-7	-20	0	0
Updated CSPP Forecast (3/21/08)	-4	7	27	30	32	10	2	2	8	1	0	1
Subtotal	**-6**	**7**	**44**	**88**	**172**	**103**	**-132**	**-138**	**1**	**-19**	**0**	**1**
Updated Monthly Surplus/Deficit	**202**	**253**	**262**	**388**	**267**	**-111**	**-647**	**-441**	**-252**	**-25**	**16**	**-205**
Changes to IRP Resources												
Remove IRP DSM	-71	-71	-71	-71	-71	-71	-71	-71	-71	-71	-71	-71
2009 Geothermal - Adjust Timing	-9	-7	-10	-10	-12	1	-1	-1	1	2	5	-9
2010 CHP - Remove	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45	-45
2011 Geothermal - New RFP	45	45	45	45	45	45	45	45	45	45	45	45
2012 Wind - Remove	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220	-220
Subtotal	**-97**	**-95**	**-98**	**-98**	**-100**	**-87**	**-89**	**-88**	**-87**	**-86**	**-83**	**-97**
Updated Monthly Average Energy Surplus/Deficit	**992**	**1,045**	**1,051**	**1,177**	**1,054**	**689**	**151**	**357**	**548**	**775**	**820**	**584**

Average Energy Load and Resource Balance

70th Percentile Water and 70th Percentile Average Load

2006 IRP	Jan. 2018	Feb. 2018	Mar. 2018	Apr. 2018	May. 2018	Jun. 2018	Jul. 2018	Aug. 2018	Sep. 2018	Oct. 2018	Nov. 2018	Dec. 2018
Average Load Forecast	-2,214	-2,081	-1,928	-1,844	-2,065	-2,533	-2,836	-2,672	-2,219	-1,920	-1,991	-2,244
Existing Resources (2006 IRP)												
Coal	895	895	895	754	620	860	895	895	895	894	895	895
Hydro (70th%) - HCC	763	556	646	736	737	620	563	571	339	442	364	494
Hydro (70th%) - ROR	279	402	335	251	260	274	340	348	282	232	217	222
CSPP (including wind)	102	110	105	117	148	177	169	161	153	134	109	114
PPL MT	0	0	0	0	0	46	43	46	0	0	0	0
Gas Peakers	0	0	0	0	0	0	0	0	0	0	0	0
Network Set-Aside for Firm Market Purchases	300	260	68	174	281	194	115	178	143	109	351	258
Subtotal	**2,338**	**2,224**	**2,049**	**2,032**	**2,046**	**2,171**	**2,125**	**2,199**	**1,812**	**1,811**	**1,936**	**1,983**
Monthly Surplus/Deficit	**124**	**143**	**121**	**188**	**-19**	**-362**	**-711**	**-473**	**-407**	**-109**	**-55**	**-261**
IRP Resources												
2008 Wind - Elkhorn	31	31	31	31	31	31	31	31	31	31	31	31
2009 Geothermal	48	48	48	48	48	48	48	48	48	48	48	48
2010 CHP	45	45	45	45	45	45	45	45	45	45	45	45
2012 IRP Wind	47	47	47	47	47	47	47	47	47	47	47	47
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	220	220	220	220	220	220	220	220	220	220	220	220
2017 IGCC	200	200	200	200	200	200	200	200	200	200	200	200
DSM	74	74	74	74	74	74	74	74	74	74	74	74
Subtotal	**889**	**889**	**889**	**889**	**889**	**889**	**889**	**889**	**889**	**889**	**889**	**889**
Monthly Average Energy Surplus/Deficit	**1,014**	**1,032**	**1,010**	**1,077**	**870**	**527**	**178**	**416**	**482**	**780**	**834**	**628**

2008 IRP Update	Jan. 2018	Feb. 2018	Mar. 2018	Apr. 2018	May. 2018	Jun. 2018	Jul. 2018	Aug. 2018	Sep. 2018	Oct. 2018	Nov. 2018	Dec. 2018
Average Load Forecast Change	71	93	86	103	102	126	172	145	135	87	55	30
Updated Average Load Forecast	-2,143	-1,988	-1,842	-1,741	-1,963	-2,407	-2,664	-2,527	-2,084	-1,833	-1,936	-2,214
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	-2	0	17	58	140	93	-134	-140	-7	-20	0	0
Updated CSPP Forecast (3/21/08)	-4	7	27	30	32	10	2	2	8	1	0	1
Subtotal	**-6**	**7**	**44**	**88**	**172**	**103**	**-132**	**-138**	**1**	**-19**	**0**	**1**
Updated Monthly Surplus/Deficit	**189**	**242**	**250**	**378**	**254**	**-132**	**-672**	**-466**	**-271**	**-41**	**0**	**-230**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2009	Feb. 2009	Mar. 2009	Apr. 2009	May. 2009	Jun. 2009	Jul. 2009	Aug. 2009	Sep. 2009	Oct. 2009	Nov. 2009	Dec. 2009
Peak-Hour Load Forecast	-2,596	-2,497	-2,410	-2,007	-2,834	-3,289	-3,372	-3,073	-2,769	-2,118	-2,423	-2,909
Existing Resources												
Coal	973	973	973	973	610	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,144	1,104	1,030	1,014	1,088	1,038	1,055	976	774	800	800	977
Hydro (90th%) - ROR	215	217	213	219	246	258	309	291	221	216	209	209
CSPP (including wind)	82	82	67	84	125	154	159	150	135	108	85	83
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	429	504	519	274	552	489	326	386	418	404	677	567
Subtotal	**2,859**	**2,896**	**2,810**	**2,572**	**2,629**	**3,006**	**2,916**	**2,870**	**2,537**	**2,517**	**2,760**	**2,824**
Surplus/Deficits w/o Peakers	263	399	400	565	-205	-283	-456	-203	-232	399	337	-85
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**0**	**-40**	**0**	**0**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	0	0	0	0	0	0	0	0	0	0	0	0
2012 IRP Wind	0	0	0	0	0	0	0	0	0	0	0	0
2012 Hemingway-Boardman	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal	0	0	0	0	0	0	0	0	0	0	0	0
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
2006 IRP DSM	45	45	45	45	45	45	45	45	45	45	45	45
Subtotal	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2009	Feb. 2009	Mar. 2009	Apr. 2009	May. 2009	Jun. 2009	Jul. 2009	Aug. 2009	Sep. 2009	Oct. 2009	Nov. 2009	Dec. 2009
Peak-Hour Load Forecast Change	-21	-13	-16	-7	-19	-11	-11	-26	-30	-29	-53	-75
Updated Peak-Hour Load Forecast	-2,617	-2,510	-2,426	-2,014	-2,853	-3,300	-3,383	-3,099	-2,799	-2,147	-2,476	-2,984
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	-18	-17	12	35	31	33	-62	-53	0	1	-1	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-44	-42	-18	-11	-11	-32	-38	-35	-36	-39	-41	-42
Subtotal	**-78**	**-75**	**-14**	**16**	**12**	**-14**	**-114**	**-102**	**-52**	**-54**	**-58**	**-58**
Updated Surplus/Deficits w/o Peakers	164	311	370	573	-213	-307	-581	-330	-313	316	225	-217
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**0**	**-164**	**0**	**0**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37
2010 CHP - Remove	0	0	0	0	0	0	0	0	0	0	0	0
2011 Geothermal - New RFP	0	0	0	0	0	0	0	0	0	0	0	0
2012 IRP Wind - Remove	0	0	0	0	0	0	0	0	0	0	0	0
2012 CCCT - Add	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal - Remove	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**-101**	**0**	**0**	**0**	**0**	

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2010	Feb. 2010	Mar. 2010	Apr. 2010	May. 2010	Jun. 2010	Jul. 2010	Aug. 2010	Sep. 2010	Oct. 2010	Nov. 2010	Dec. 2010
Peak-Hour Load Forecast	-2,634	-2,526	-2,450	-2,032	-2,891	-3,348	-3,442	-3,140	-2,823	-2,149	-2,457	-2,948
Existing Resources												
Coal	973	973	973	797	618	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,130	1,045	1,054	1,010	1,083	1,033	1,045	972	774	806	798	974
Hydro (90th%) - ROR	215	217	213	219	246	258	309	291	221	218	209	211
CSPP (including wind)	82	82	67	84	125	154	153	145	128	105	82	80
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	439	568	527	137	551	486	329	383	413	430	680	567
Subtotal	**2,855**	**2,901**	**2,842**	**2,255**	**2,631**	**2,998**	**2,903**	**2,858**	**2,525**	**2,548**	**2,759**	**2,821**
Surplus/Deficits w/o Peakers	221	375	392	223	-260	-350	-539	-282	-298	399	302	-127
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**0**	**-123**	**0**	**0**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	0	0	0	0	0	0	0	0	0	0	0	0
2012 Hemingway-Boardman	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal	0	0	0	0	0	0	0	0	0	0	0	0
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
2006 IRP DSM	71	71	71	71	71	71	71	71	71	71	71	71
Subtotal	**176**	**176**	**176**	**176**	**176**	**176**	**176**	**176**	**176**	**176**	**176**	**176**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2010	Feb. 2010	Mar. 2010	Apr. 2010	May. 2010	Jun. 2010	Jul. 2010	Aug. 2010	Sep. 2010	Oct. 2010	Nov. 2010	Dec. 2010
Peak-Hour Load Forecast Change	-40	-20	-19	-7	-21	-16	-4	-24	-19	-22	-49	-111
Updated Peak-Hour Load Forecast	-2,674	-2,546	-2,469	-2,039	-2,912	-3,364	-3,446	-3,164	-2,842	-2,171	-2,506	-3,059
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	-1	0	-2
Shift in Fish Water Releases	4	-1	23	35	30	33	-62	-53	0	1	-1	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-44	-42	-18	-11	-11	-32	-32	-30	-29	-36	-38	-31
Subtotal	**-56**	**-59**	**-3**	**16**	**12**	**-14**	**-108**	**-97**	**-45**	**-53**	**-56**	**-49**
Updated Surplus/Deficits w/o Peakers	125	296	369	232	-269	-380	-651	-404	-361	325	197	-287
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**0**	**-235**	**0**	**0**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	0	0	0	0	0	0	0	0	0	0	0	0
2012 IRP Wind - Remove	0	0	0	0	0	0	0	0	0	0	0	0
2012 CCCT - Add	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal - Remove	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	**-87**	**-87**	**-87**	**-87**	**-87**	**-87**	**-87**	**-87**	**-87**	**-87**	**-87**	**-87**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**-146**	**0**	**0**	**0**	**0**	**0**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2011	Feb. 2011	Mar. 2011	Apr. 2011	May. 2011	Jun. 2011	Jul. 2011	Aug. 2011	Sep. 2011	Oct. 2011	Nov. 2011	Dec. 2011
Peak-Hour Load Forecast	-2,659	-2,545	-2,475	-2,049	-2,945	-3,396	-3,506	-3,174	-2,877	-2,172	-2,481	-2,918
Existing Resources												
Coal	973	973	973	797	610	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,119	996	1,053	1,005	1,074	1,030	1,039	970	785	804	792	987
Hydro (90th%) - ROR	221	223	213	218	244	257	323	303	220	218	209	211
CSPP (including wind)	79	78	64	81	119	146	150	142	128	105	82	80
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	450	616	528	164	555	484	328	381	397	455	684	556
Subtotal	**2,858**	**2,903**	**2,839**	**2,272**	**2,611**	**2,984**	**2,907**	**2,864**	**2,519**	**2,571**	**2,756**	**2,823**
Surplus/Deficits w/o Peakers	199	358	364	223	-334	-412	-599	-310	-358	399	275	-95
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**0**	**-182**	**0**	**0**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	0	0	0	0	0	0	0	0	0	0	0	0
2012 Hemingway-Boardman	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal	0	0	0	0	0	0	0	0	0	0	0	0
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
2006 IRP DSM	92	92	92	92	92	92	92	92	92	92	92	92
Subtotal	**197**	**197**	**197**	**197**	**197**	**197**	**197**	**197**	**197**	**197**	**197**	**197**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2011	Feb. 2011	Mar. 2011	Apr. 2011	May. 2011	Jun. 2011	Jul. 2011	Aug. 2011	Sep. 2011	Oct. 2011	Nov. 2011	Dec. 2011
Peak-Hour Load Forecast Change	-56	-30	-40	-22	-17	-27	-5	-43	-10	-17	-44	-159
Updated Peak-Hour Load Forecast	-2,715	-2,575	-2,515	-2,071	-2,962	-3,423	-3,511	-3,217	-2,887	-2,189	-2,525	-3,077
Changes to Existing Resources												
Shoshone Falls	-6	-7	0	2	2	2	-15	-12	1	-1	0	-2
Shift in Fish Water Releases	4	-1	23	35	30	33	-62	-53	0	1	-1	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-35	-30	-5	0	3	-16	-23	-21	-22	-28	-31	-31
Subtotal	**-53**	**-53**	**9**	**29**	**27**	**4**	**-114**	**-100**	**-37**	**-45**	**-49**	**-49**
Updated Surplus/Deficits w/o Peakers	90	275	333	231	-324	-435	-717	-454	-405	337	182	-303
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**-12**	**-301**	**-32**	**0**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	0	0	0	0	0	0	0	0	0	0	0	0
2012 CCCT - Add	0	0	0	0	0	0	0	0	0	0	0	0
2013 Coal - Remove	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**	**-37**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**-141**	**0**	**0**	**0**	**0**	**0**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2012	Feb. 2012	Mar. 2012	Apr. 2012	May. 2012	Jun. 2012	Jul. 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012
Peak-Hour Load Forecast	-2,664	-2,560	-2,472	-2,037	-2,999	-3,458	-3,570	-3,234	-2,931	-2,193	-2,503	-2,963
Existing Resources												
Coal	973	973	973	973	618	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,119	996	1,056	974	1,062	1,021	1,025	970	787	801	828	974
Hydro (90th%) - ROR	221	223	213	218	244	257	323	303	220	218	209	211
CSPP (including wind)	79	78	64	81	119	146	150	142	128	105	82	80
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	453	613	524	313	562	485	335	377	390	479	647	565
Subtotal	**2,861**	**2,899**	**2,839**	**2,566**	**2,613**	**2,976**	**2,901**	**2,859**	**2,514**	**2,592**	**2,755**	**2,819**
Surplus/Deficits w/o Peakers	197	339	367	529	-386	-482	-669	-375	-417	399	252	-144
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**-59**	**-253**	**0**	**0**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	8	8	8	8	8	8	8	8	8	8	8	8
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	0	0	0	0	0	0	0	0	0	0	0	0
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
2006 IRP DSM	110	110	110	110	110	110	110	110	110	110	110	110
Subtotal	**448**	**448**	**448**	**448**	**448**	**448**	**448**	**448**	**448**	**448**	**448**	**448**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2012	Feb. 2012	Mar. 2012	Apr. 2012	May. 2012	Jun. 2012	Jul. 2012	Aug. 2012	Sep. 2012	Oct. 2012	Nov. 2012	Dec. 2012
Peak-Hour Load Forecast Change	-57	-10	-47	-30	-3	-7	12	-16	7	-13	-43	-125
Updated Peak-Hour Load Forecast	-2,721	-2,570	-2,519	-2,067	-3,002	-3,465	-3,558	-3,250	-2,924	-2,206	-2,546	-3,088
Changes to Existing Resources												
Shoshone Falls	-6	-7	0	2	2	2	-15	-12	1	-1	0	-2
Shift in Fish Water Releases	4	-1	23	35	30	33	-62	-53	0	1	-1	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-35	-30	-5	0	3	-16	-23	-21	-22	-28	-31	-31
Subtotal	**-53**	**-53**	**9**	**29**	**27**	**4**	**-114**	**-101**	**-37**	**-45**	**-49**	**-49**
Updated Surplus/Deficits w/o Peakers	87	276	328	528	-362	-485	-771	-491	-447	341	161	-318
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**-62**	**-355**	**-69**	**-20**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
2012 CCCT - Add	0	0	0	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	**-45**	**-45**	**-45**	**206**	**206**	**206**	**206**	**206**	**206**	**206**	**206**	**206**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2013	Feb. 2013	Mar. 2013	Apr. 2013	May. 2013	Jun. 2013	Jul. 2013	Aug. 2013	Sep. 2013	Oct. 2013	Nov. 2013	Dec. 2013
Peak-Hour Load Forecast	-2,702	-2,578	-2,511	-2,064	-3,056	-3,529	-3,647	-3,304	-2,984	-2,224	-2,537	-3,016
Existing Resources												
Coal	973	973	973	973	610	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,116	995	1,056	973	1,056	1,012	1,009	966	789	801	780	962
Hydro (90th%) - ROR	221	223	213	218	244	257	323	303	220	218	209	211
CSPP (including wind)	79	78	64	81	119	146	150	142	128	105	82	80
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	453	614	519	341	561	485	344	375	382	510	688	571
Subtotal	**2,858**	**2,899**	**2,833**	**2,593**	**2,599**	**2,966**	**2,893**	**2,854**	**2,508**	**2,623**	**2,748**	**2,813**
Surplus/Deficits w/o Peakers	156	321	322	529	-457	-563	-754	-450	-476	399	211	-203
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**-26**	**-140**	**-337**	**-28**	**-49**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	8	8	8	8	8	8	8	8	8	8	8	8
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	250	250	250	250	250	250	250	250	250	250	250	250
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
2006 IRP DSM	127	127	127	127	127	127	127	127	127	127	127	127
Subtotal	**714**	**714**	**714**	**714**	**714**	**714**	**714**	**714**	**714**	**714**	**714**	**714**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2013	Feb. 2013	Mar. 2013	Apr. 2013	May. 2013	Jun. 2013	Jul. 2013	Aug. 2013	Sep. 2013	Oct. 2013	Nov. 2013	Dec. 2013
Peak-Hour Load Forecast Change	-35	-5	-23	-5	6	8	30	2	16	-3	-32	-104
Updated Peak-Hour Load Forecast	-2,737	-2,583	-2,534	-2,069	-3,050	-3,521	-3,617	-3,302	-2,968	-2,227	-2,569	-3,120
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	5	-1	28	39	35	39	-71	-60	0	1	-1	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-35	-30	-5	0	3	-16	-23	-21	-22	-28	-31	-31
Subtotal	**-46**	**-47**	**14**	**32**	**30**	**9**	**-108**	**-96**	**-38**	**-44**	**-48**	**-47**
Updated Surplus/Deficits w/o Peakers	75	270	313	556	-421	-546	-832	-544	-498	353	131	-353
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**0**	**-124**	**-415**	**-122**	**-71**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	0	0	0	0	0	0	0	0	0	0	0	0
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250
Subtotal	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2014	Feb. 2014	Mar. 2014	Apr. 2014	May. 2014	Jun. 2014	Jul. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014
Peak-Hour Load Forecast	-2,738	-2,605	-2,550	-2,089	-3,113	-3,599	-3,723	-3,375	-3,038	-2,255	-2,570	-3,068
Existing Resources												
Coal	973	973	973	973	618	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,117	995	1,054	969	1,051	1,009	1,003	968	787	786	782	966
Hydro (90th%) - ROR	221	223	213	218	244	257	323	303	220	218	209	211
CSPP (including wind)	79	78	57	73	111	142	142	134	119	98	75	74
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	447	612	518	378	560	481	342	364	379	563	684	566
Subtotal	**2,853**	**2,897**	**2,823**	**2,618**	**2,592**	**2,956**	**2,877**	**2,836**	**2,495**	**2,654**	**2,739**	**2,806**
Surplus/Deficits w/o Peakers	115	292	273	529	-521	-643	-846	-539	-543	399	169	-262
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**-89**	**-220**	**-429**	**-117**	**-116**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	8	8	8	8	8	8	8	8	8	8	8	8
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	250	250	250	250	250	250	250	250	250	250	250	250
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
2006 IRP DSM	141	141	141	141	141	141	141	141	141	141	141	141
Subtotal	**728**	**728**	**728**	**728**	**728**	**728**	**728**	**728**	**728**	**728**	**728**	**728**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2014	Feb. 2014	Mar. 2014	Apr. 2014	May. 2014	Jun. 2014	Jul. 2014	Aug. 2014	Sep. 2014	Oct. 2014	Nov. 2014	Dec. 2014
Peak-Hour Load Forecast Change	-13	15	2	13	18	48	57	65	26	15	-14	18
Updated Peak-Hour Load Forecast	-2,751	-2,590	-2,548	-2,076	-3,095	-3,551	-3,666	-3,310	-3,012	-2,240	-2,584	-3,050
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	5	-1	28	39	35	39	-71	-60	0	1	-1	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-35	-30	2	8	11	-12	-15	-13	-13	-21	-24	-25
Subtotal	**-46**	**-47**	**21**	**40**	**38**	**13**	**-100**	**-88**	**-29**	**-37**	**-41**	**-41**
Updated Surplus/Deficits w/o Peakers	56	260	296	582	-465	-583	-889	-561	-545	378	114	-285
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**-34**	**-160**	**-472**	**-139**	**-118**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	0	0	0	0	0	0	0	0	0	0	0	0
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250
Subtotal	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2015	Feb. 2015	Mar. 2015	Apr. 2015	May. 2015	Jun. 2015	Jul. 2015	Aug. 2015	Sep. 2015	Oct. 2015	Nov. 2015	Dec. 2015
Peak-Hour Load Forecast	-2,776	-2,634	-2,589	-2,117	-3,174	-3,674	-3,805	-3,450	-3,096	-2,289	-2,605	-3,121
Existing Resources												
Coal	973	973	973	797	610	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,116	995	1,054	929	1,059	1,015	1,013	948	737	798	782	965
Hydro (90th%) - ROR	221	223	213	218	244	257	323	303	220	218	209	211
CSPP (including wind)	72	72	57	73	110	141	141	133	115	96	75	73
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	445	612	518	482	550	475	322	367	418	587	683	563
Subtotal	**2,843**	**2,891**	**2,823**	**2,506**	**2,581**	**2,955**	**2,866**	**2,819**	**2,479**	**2,688**	**2,738**	**2,801**
Surplus/Deficits w/o Peakers	67	257	234	389	-593	-719	-939	-631	-617	399	133	-320
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**-162**	**-296**	**-523**	**-209**	**-190**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	8	8	8	8	8	8	8	8	8	8	8	8
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	250	250	250	250	250	250	250	250	250	250	250	250
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
2006 IRP DSM	152	152	152	152	152	152	152	152	152	152	152	152
Subtotal	**740**	**740**	**740**	**740**	**740**	**740**	**740**	**740**	**740**	**740**	**740**	**740**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2015	Feb. 2015	Mar. 2015	Apr. 2015	May. 2015	Jun. 2015	Jul. 2015	Aug. 2015	Sep. 2015	Oct. 2015	Nov. 2015	Dec. 2015
Peak-Hour Load Forecast Change	33	51	66	74	30	64	82	84	38	33	2	20
Updated Peak-Hour Load Forecast	-2,743	-2,583	-2,523	-2,043	-3,144	-3,610	-3,723	-3,366	-3,058	-2,256	-2,603	-3,102
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	5	-1	28	39	35	39	-71	-60	0	1	-1	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-28	-24	2	8	12	-11	-14	-12	-9	-19	-24	-24
Subtotal	**-39**	**-41**	**21**	**39**	**39**	**14**	**-99**	**-87**	**-25**	**-35**	**-41**	**-40**
Updated Surplus/Deficits w/o Peakers	62	267	321	502	-524	-641	-956	-634	-603	397	94	-340
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**-93**	**-218**	**-540**	**-212**	**-176**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	0	0	0	0	0	0	0	0	0	0	0	0
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250
Subtotal	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2016	Feb. 2016	Mar. 2016	Apr. 2016	May. 2016	Jun. 2016	Jul. 2016	Aug. 2016	Sep. 2016	Oct. 2016	Nov. 2016	Dec. 2016
Peak-Hour Load Forecast	-2,814	-2,661	-2,629	-2,144	-3,234	-3,750	-3,888	-3,525	-3,154	-2,322	-2,640	-3,175
Existing Resources												
Coal	973	973	973	797	618	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,117	993	1,056	894	1,054	1,013	1,005	948	759	798	792	958
Hydro (90th%) - ROR	221	223	213	218	244	257	323	303	220	218	209	211
CSPP (including wind)	72	72	57	73	110	141	141	133	115	96	75	73
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	442	610	514	378	549	467	319	360	391	606	670	568
Subtotal	**2,841**	**2,888**	**2,821**	**2,367**	**2,583**	**2,945**	**2,856**	**2,811**	**2,475**	**2,707**	**2,735**	**2,798**
Surplus/Deficits w/o Peakers	27	227	192	223	-651	-805	-1,032	-714	-679	385	95	-377
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**-219**	**-382**	**-616**	**-291**	**-252**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	8	8	8	8	8	8	8	8	8	8	8	8
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	250	250	250	250	250	250	250	250	250	250	250	250
2017 IGCC	0	0	0	0	0	0	0	0	0	0	0	0
2006 IRP DSM	163	163	163	163	163	163	163	163	163	163	163	163
Subtotal	**750**	**750**	**750**	**750**	**750**	**750**	**750**	**750**	**750**	**750**	**750**	**750**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2016	Feb. 2016	Mar. 2016	Apr. 2016	May. 2016	Jun. 2016	Jul. 2016	Aug. 2016	Sep. 2016	Oct. 2016	Nov. 2016	Dec. 2016
Peak-Hour Load Forecast Change	37	63	70	78	39	74	95	93	50	39	8	26
Updated Peak-Hour Load Forecast	-2,777	-2,598	-2,559	-2,066	-3,195	-3,676	-3,793	-3,432	-3,104	-2,283	-2,632	-3,149
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	5	-1	27	39	34	39	-71	-60	0	1	-2	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-28	-24	2	8	12	-11	-14	-12	-9	-19	-24	-24
Subtotal	**-39**	**-41**	**21**	**39**	**39**	**13**	**-99**	**-87**	**-25**	**-35**	**-41**	**-40**
Updated Surplus/Deficits w/o Peakers	25	249	284	341	-573	-717	-1,037	-707	-654	389	62	-390
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**-142**	**-294**	**-620**	**-285**	**-227**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	0	0	0	0	0	0	0	0	0	0	0	0
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250
Subtotal	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2017	Feb. 2017	Mar. 2017	Apr. 2017	May. 2017	Jun. 2017	Jul. 2017	Aug. 2017	Sep. 2017	Oct. 2017	Nov. 2017	Dec. 2017
Peak-Hour Load Forecast	-2,853	-2,692	-2,669	-2,172	-3,295	-3,826	-3,972	-3,602	-3,211	-2,357	-2,675	-3,230
Existing Resources												
Coal	973	973	973	973	610	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,117	995	1,060	851	1,049	1,008	1,000	947	763	797	808	952
Hydro (90th%) - ROR	221	223	213	218	244	257	323	303	220	218	209	211
CSPP (including wind)	72	72	57	73	110	141	141	133	115	96	75	73
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	442	605	507	449	549	465	314	353	382	605	650	570
Subtotal	**2,842**	**2,885**	**2,819**	**2,571**	**2,570**	**2,938**	**2,845**	**2,803**	**2,469**	**2,705**	**2,732**	**2,795**
Surplus/Deficits w/o Peakers	-11	193	150	399	-725	-888	-1,127	-799	-742	348	57	-435
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**-294**	**-465**	**-711**	**-377**	**-315**	**0**	**0**	**0**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	8	8	8	8	8	8	8	8	8	8	8	8
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	250	250	250	250	250	250	250	250	250	250	250	250
2017 IGCC	250	250	250	250	250	250	250	250	250	250	250	250
2006 IRP DSM	165	165	165	165	165	165	165	165	165	165	165	165
Subtotal	**1,003**	**1,003**	**1,003**	**1,003**	**1,003**	**1,003**	**1,003**	**1,003**	**1,003**	**1,003**	**1,003**	**1,003**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2017	Feb. 2017	Mar. 2017	Apr. 2017	May. 2017	Jun. 2017	Jul. 2017	Aug. 2017	Sep. 2017	Oct. 2017	Nov. 2017	Dec. 2017
Peak-Hour Load Forecast Change	59	77	92	93	53	125	126	173	61	60	27	183
Updated Peak-Hour Load Forecast	-2,794	-2,615	-2,577	-2,079	-3,242	-3,701	-3,846	-3,429	-3,150	-2,297	-2,648	-3,047
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	5	-1	27	39	34	39	-71	-60	0	1	-2	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-28	-24	2	8	12	-11	-14	-12	-9	-19	-24	-24
Subtotal	**-39**	**-41**	**21**	**39**	**39**	**13**	**-99**	**-87**	**-25**	**-35**	**-41**	**-40**
Updated Surplus/Deficits w/o Peakers	8	229	262	532	-634	-749	-1,100	-713	-705	373	43	-293
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**-202**	**-326**	**-684**	**-291**	**-278**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	0	0	0	0	0	0	0	0	0	0	0	0
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250
Subtotal	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Peak-Hour Load and Resource Balance

90th Percentile Water and 95th Percentile Peak-Hour Load

2006 IRP	Jan. 2018	Feb. 2018	Mar. 2018	Apr. 2018	May. 2018	Jun. 2018	Jul. 2018	Aug. 2018	Sep. 2018	Oct. 2018	Nov. 2018	Dec. 2018
Peak-Hour Load Forecast	-2,893	-2,722	-2,711	-2,201	-3,356	-3,903	-4,058	-3,679	-3,269	-2,392	-2,712	-3,287
Existing Resources												
Coal	973	973	973	797	618	973	973	973	973	973	973	973
Hydro (90th%) - HCC	1,116	995	1,063	819	1,043	1,006	988	949	763	795	805	945
Hydro (90th%) - ROR	221	223	213	218	244	257	323	303	220	218	209	211
CSPP (including wind)	72	72	57	73	110	141	141	133	115	96	75	73
PURPA Wind Capacity	16	16	8	8	8	14	14	14	16	16	16	16
PPL MT	0	0	0	0	0	80	80	80	0	0	0	0
Purchases from Pacific Northwest	440	604	500	676	548	458	316	343	375	603	651	571
Subtotal	**2,838**	**2,884**	**2,815**	**2,590**	**2,571**	**2,929**	**2,835**	**2,795**	**2,462**	**2,701**	**2,730**	**2,789**
Surplus/Deficits w/o Peakers	-55	162	104	389	-785	-974	-1,223	-884	-807	309	18	-498
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Deficits w/Peakers	**0**	**0**	**0**	**0**	**-353**	**-551**	**-807**	**-461**	**-379**	**0**	**0**	**-50**
IRP Resources												
2008 Wind - Elkhorn	5	5	5	5	5	5	5	5	5	5	5	5
2009 Geothermal	50	50	50	50	50	50	50	50	50	50	50	50
2010 CHP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind	8	8	8	8	8	8	8	8	8	8	8	8
2012 Hemingway-Boardman	225	225	225	225	225	225	225	225	225	225	225	225
2013 Coal	250	250	250	250	250	250	250	250	250	250	250	250
2017 IGCC	250	250	250	250	250	250	250	250	250	250	250	250
2006 IRP DSM	168	168	168	168	168	168	168	168	168	168	168	168
Subtotal	**1,005**	**1,005**	**1,005**	**1,005**	**1,005**	**1,005**	**1,005**	**1,005**	**1,005**	**1,005**	**1,005**	**1,005**
Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

2008 IRP Update	Jan. 2018	Feb. 2018	Mar. 2018	Apr. 2018	May. 2018	Jun. 2018	Jul. 2018	Aug. 2018	Sep. 2018	Oct. 2018	Nov. 2018	Dec. 2018
Peak-Hour Load Forecast Change	118	123	179	170	66	146	157	198	72	80	48	200
Updated Peak-Hour Load Forecast	-2,775	-2,599	-2,532	-2,031	-3,290	-3,757	-3,901	-3,481	-3,197	-2,312	-2,664	-3,087
Changes to Existing Resources												
Shoshone Falls	0	0	0	0	0	0	0	0	0	0	0	0
Shift in Fish Water Releases	5	-1	27	39	34	39	-71	-60	0	1	-2	0
PURPA Wind Capacity Correction	-16	-16	-8	-8	-8	-14	-14	-14	-16	-16	-16	-16
Updated CSPP Forecast (3/21/08)	-28	-24	2	8	12	-11	-14	-12	-9	-19	-24	-24
Subtotal	**-39**	**-41**	**21**	**39**	**38**	**13**	**-99**	**-87**	**-25**	**-35**	**-41**	**-40**
Updated Surplus/Deficits w/o Peakers	24	243	303	598	-680	-815	-1,166	-773	-759	354	24	-338
Gas Peakers	452	448	442	436	432	423	416	422	427	438	445	448
Updated Deficits w/Peakers	**0**	**0**	**0**	**0**	**-249**	**-392**	**-749**	**-350**	**-332**	**0**	**0**	**0**
Changes to IRP Resources												
2009 Geothermal - Adjust Timing	0	0	0	0	0	0	0	0	0	0	0	0
2010 CHP - Remove	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50	-50
2011 Geothermal - New RFP	50	50	50	50	50	50	50	50	50	50	50	50
2012 IRP Wind - Remove	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
2012 CCCT - Add	250	250	250	250	250	250	250	250	250	250	250	250
2013 Coal - Remove	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250	-250
Subtotal	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**	**-8**
Updated Deficits w/IRP Resources	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**