

APPENDIX 7A

**IMPLEMENTATION PLAN AND RESOURCE
ACQUISITION STRATEGY**

**** PUBLIC ****



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IMPLEMENTATION PLAN

SECTION 1: IMPLEMENTATION PLAN

(9) The utility shall develop an implementation plan that specifies the major tasks and schedules necessary to implement the preferred resource plan over the implementation period. The implementation plan shall contain:

1.1 SCHEDULE OF RESEARCH

(A) A schedule and description of ongoing and planned research activities to update and improve the quality of data used in load analysis and forecasting;

GMO plans to conduct its next residential appliance saturation survey in 2010. GMO will continue to obtain and use updated end-use data from the US Department of Energy (DOE) for its statistically adjusted end-use models.

1.2 SCHEDULE OF DSM PROGRAMS

(B) A schedule and description of ongoing and planned demand-side management programs, program evaluations and research activities;

Schedules and descriptions of existing and proposed demand-side management programs and research activities are shown in Figure 1 and Figure 2 below:

Figure 1: Existing Energy Efficiency and Demand Response Programs

| | Programs in IRP | Budgets approved and tariffs filed | Program Launch | EM&V Report Due |
|------------------------------------------------------------------------|--------------------|------------------------------------------|-------------------|--------------------|
| Existing Energy Efficiency Programs - Residential | | | | |
| Change a Light | Jan-09 | Mar-08 | Jan-07 | Sep-10 |
| Energy Star | Jan-09 | Mar-08 | Mar-08 | Sep-10 |
| Low Income Weatherization | Jan-09 | Mar-08 | Mar-08 | Sep-10 |
| Low Income Affordable New Homes | Jan-09 | Mar-08 | Mar-08 | Sep-10 |
| Energy Star New Homes | Jan-09 | Mar-08 | Mar-08 | Sep-10 |
| Existing Energy Efficiency Programs - Commercial and Industrial | | | | |
| Building Operator Certification | Jan-09 | Mar-08 | Mar-08 | Sep-10 |
| Existing Demand Response Programs | | | | |
| Energy Optimizer | Jan-09 | Oct-08 | Oct-08 | Apr-11 |
| MPOWER | Jan-09 | Oct-08 | Oct-08 | Apr-11 |

Figure 2: Proposed Energy Efficiency Programs and DSM Research Activities

| | Programs in IRP | Budgets approved and tariffs filed | Program Launch | EM&V Report Due |
|--------------------------------------------------------------------------|--------------------|------------------------------------------|-------------------|--------------------|
| Proposed Energy Efficiency Programs - Residential | | | | |
| Appliance Turn In | Jan-09 | Jan-10 | Apr-10 | Jul-12 |
| Blue Line | Jan-09 | Jan-10 | Apr-10 | Jul-12 |
| Cool Homes | Jan-09 | Jan-10 | Apr-10 | Jul-12 |
| Energy Star | Jan-09 | Jan-10 | Apr-10 | Jul-12 |
| On Line Audit | Jan-09 | Jan-10 | Apr-10 | Jul-12 |
| Proposed Energy Efficiency Programs - Commercial & Industrial | | | | |
| Custom Rebate | Jan-09 | Jan-10 | Apr-10 | Jul-12 |
| Prescriptive Rebate | Jan-09 | Jan-10 | Apr-10 | Jul-12 |
| Research Activities | | Research Completed | | |
| Evaluation of Financing Efficiency Programs | Jan-09 | Oct-09 | | |
| Evaluation of Street Lighting and Other Outdoor Lighting Programs | Jan-09 | Oct-10 | | |
| Multi-family Dwelling Energy Efficiency Study | Jan-09 | Dec-09 | | |
| Time of Use, Peak Pricing and Demand Response Tariff Evaluation | Jan-09 | Jun-10 | | |

Note that an evaluation work plan for the existing energy efficiency and demand response programs has been authored by Opinion Dynamics Corporation and is attached as Appendix 7B.

1.3 SCHEDULE OF RESOURCE ACQUISITION

(C) A schedule and description of all supply-side resource acquisition and construction activities; and

The new generating unit currently under construction, Iatan-2, will provide GMO with 153 MW of capacity beginning in 2010. The current schedule is shown in Figure 3 below:

Figure 3: Iatan-2 Construction Schedule

| Iatan-2 Major Milestone Schedule | | |
|------------------------------------------------------------------------------|-------------------|----------------|
| Milestone Description | Completion Date | Status |
| Turbine Generator Under Contract | January, 2006 | Complete |
| Other Major Equipment Vendors Under Contract (Boiler Island, AQC and SCR) | July, 2006 | Complete |
| Site mobilization and Start Construction Underground and Foundation Work | Summer/Fall, 2006 | Complete |
| Control Budget Estimate & Level 1 Schedule | November, 2006 | Complete |
| Start of Boiler Steel Erection | August, 2007 | Complete |
| Boiler Steel Complete | April, 2008 | Complete |
| Turbine Generator Delivery | May, 2008 | Complete |
| Landfill- First Cell Complete | December, 2008 | Complete |
| FGD & Fabric Filter Complete | June, 2009 | Tracking Late |
| Turbine Generator Complete | November, 2009 | Tracking Late |
| First Fire on Oil | November, 2009 | Tracking Late |
| In-Service (Provisional Acceptance) | June, 2010 | Tracking Late |
| Final Acceptance (Substantial Completion) | February, 2011 | Tracking Early |

1.4 CRITICAL PATH

(D) Identification of critical paths and major milestones for each resource acquisition project, including decision points for committing to major expenditures.

The critical paths, major milestones and decision points for the Iatan-2 resource addition are shown in Figure 3 above. For all other resource additions identified in the Preferred Resource Plan, these items are included as the implementation plans in Section 2.2, the Resource Acquisition Strategy.

RESOURCE ACQUISITION STRATEGY

SECTION 2: RESOURCE ACQUISITION STRATEGY & CORPORATE APPROVAL STATEMENT

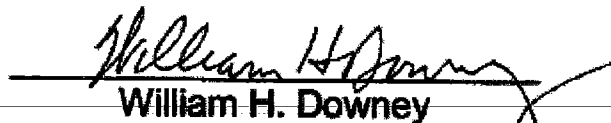
(10) The utility shall develop, document and officially adopt a resource acquisition strategy. This means that the utility's resource acquisition strategy shall be formally approved by the board of directors, a committee of senior management, an officer of the company or other responsible party who has been duly delegated the authority to commit the utility to the course of action described in the resource acquisition strategy. The officially adopted resource acquisition strategy shall consist of the following components:

The corporate approval statement is provided on the following page:

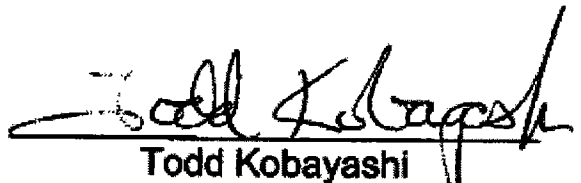
**KCP&L GREATER MISSOURI OPERATIONS COMPANY
2009 INTEGRATED RESOURCE PLAN
CORPORATE APPROVAL STATEMENT FOR
RESOURCE ACQUISITION STRATEGY**

The 2009 Integrated Resource Plan ("IRP") of KCP&L Greater Missouri Operations Company ("GMO") was prepared under our direction and control. This includes eight (8) Volumes that comprise the IRP. To the best of our knowledge, information, and belief, the methods used and the procedures followed by GMO in formulating the resource acquisition strategy contained in the IRP comply with the provisions of Chapter 22 of the regulations of the Missouri Public Service Commission ("Commission") subject to waivers previously granted by the Commission.

As required by 4 CSR 240-22.080(10) the referenced resource acquisition strategy includes: 1) the Preferred Resource Plan, 2) an implementation plan for the new resource additions included in the Preferred Resource Plan, 3) ranges of the critical uncertain factors, 4) contingency options, and 5) monitoring and reporting processes of the critical uncertain factors. Pursuant to the requirements of the Commission's regulations, GMO will notify the Commission if GMO determines that circumstances have changed so that the Preferred Resource Plan identified in GMO's 2009 Integrated Resource Plan is no longer appropriate.


William H. Downey

**President and Chief Operating Officer
KCP&L Greater Missouri Operations Company**


Todd Kobayashi

**Vice President, Strategy and Risk Management
KCP&L Greater Missouri Operations Company**

2.1 PREFERRED RESOURCE PLAN

(A) A preferred resource plan selected pursuant to the requirements of section (6) of this rule;

Each of the twenty-four alternative resource plans evaluated included adequate renewable generation to meet the requirements of Missouri Proposition C (“Prop C”) including solar generation requirements. Results from the twenty-four alternative resource plans ranked by NPVRR demonstrate that the Preferred Resource Plan includes the full level of proposed DSM programs and wind installations exceeding estimated needs to meet Prop C requirements. In addition, the Preferred Resource Plan includes a conversion of Sibley 1&2 to burn 10% biomass at an estimated delivered price of \$4/mmBtu by 2015. These biomass retrofits are short lead time projects, and occur outside the 3-year implementation plan period so plans for these conversions are not covered in the Resource Acquisition Strategy. Also, the Preferred Resource Plan includes environmental retrofits by 2015 on the coal generating units at Sibley Station and Lake Road 4-6 that would meet or exceed future BACT requirements.

The Preferred Resource Plan is shown in Table 1 below:

Table 1: Preferred Resource Plan

| | Plan 22: Install Prop C Wind and Solar, CT's, Additional 500 MW Wind Above Prop C beginning in 2012, All DSM, and Sibley 1&2 converted to 10% biomass usage | | | | |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|--------------------|---------|
| Date | Install CT's | Install Solar | Install Prop C Wind | Install Other Wind | All DSM |
| 2009 | 0 | | | | 5.9 |
| 2010 | 0 | | | | 31.8 |
| 2011 | 0 | 1.79 | | | 64.1 |
| 2012 | 0 | 0.03 | | 100 | 89.4 |
| 2013 | 0 | 0.02 | | | 109.4 |
| 2014 | 0 | 2.80 | | | 122.9 |
| 2015 | 0 | 0.05 | | | 127.3 |
| 2016 | 0 | 0.11 | 100 | 100 | 131.7 |
| 2017 | 0 | 0.08 | | 200 | 134.9 |
| 2018 | 0 | 5.02 | 100 | | 138.6 |
| 2019 | 0 | 0.15 | | | 142.0 |
| 2020 | 0 | 0.20 | | | 143.4 |
| 2021 | 0 | 5.33 | 100 | | 144.3 |
| 2022 | 0 | 0.24 | | | 144.4 |
| 2023 | 0 | 0.24 | 100 | | 144.2 |
| 2024 | 0 | 0.32 | | 100 | 143.8 |
| 2025 | 154 | 0.26 | | | 141.1 |
| 2026 | 0 | 0.32 | | | 138.3 |
| 2027 | 0 | 0.32 | | | 135.3 |
| 2028 | 154 | 0.35 | | | 131.2 |
| 2029 | 0 | 0.25 | | | 126.7 |

The solar installations are estimates of the installed solar capacity required to fulfill the requirements of Missouri's Proposition C (Prop C) Renewable Energy Standard. The four 100 MW wind additions in 2016, 2018, 2021 and 2023 are Prop C requirements. The Preferred Resource Plan also includes additional 500 MW of wind installations above Prop C requirements – 100 MW in 2012, 100 MW in 2016, 200 MW in 2017, and 100 MW in 2024. It should be noted that solar and renewable energy requirements associated with Prop C, could be obtained from purchase of renewable energy credits (REC). Also, although ownership of these resources was modeled for in the alternative resource plans, future bid proposals may result in lower costs based on either purchase power agreements (PPA) or ownership.

2.2 IMPLEMENTATION PLAN

(B) An implementation plan developed pursuant to the requirements of section (9) of this rule;

2.2.1 WIND & SOLAR IMPLEMENTATION

Figure 4 below shows the expected milestones and critical paths required to meet a 2012 in-service date for new wind.

Figure 4: 2012 Wind Installation Milestones

| Schedule for 2012 Wind Acquisition | | |
|---------------------------------------------------------------------------------------|---------------------|----------|
| Milestone Description | Completion Date | Status |
| Issue RFP (Currently Under Development) | 3rd Quarter, 2009 | On Track |
| Receive and Evaluate Proposals | 12/31/2009 | Pending |
| Negotiate Contracts - PPA or Ownership | Allow 6-months | Pending |
| Equipment Delivery and Construction Begins: Wind Farm, Substation and Interconnection | Allow 3 to 6 months | Pending |
| Last Wind Turbine Commissioned | Allow 6 to 9 months | Pending |
| Earliest Expected On-Line Date For New Construction | 2nd Quarter, 2011 | Pending |

Figure 5 below shows the expected milestones and critical paths required to meet the 2011 Prop C requirements for solar-based generation.

Figure 5: 2011 Solar Milestones

| Schedule for 2011 Solar Acquisition | | |
|----------------------------------------------------|-----------------|----------|
| Milestone Description | Completion Date | Status |
| Issue RFP | 5/9/2009 | Complete |
| Receive and Evaluate Proposals | 6/30/2009 | Complete |
| Negotiate Contract for 2011 PPA, RECs or Ownership | 12/31/2009 | Pending |

2.2.2 DSM IMPLEMENTATION

The critical paths and major milestones for DSM implementation are shown above in Section 1.2.

2.2.3 ENVIRONMENTAL RETROFIT IMPLEMENTATION

The major milestones for the environmental retrofits on Lake Road and the Sibley units are shown in Figure 6 below.

Figure 6: Environmental Retrofits

| Lake Road and Sibley Environmental Retrofit Timeline | | |
|------------------------------------------------------|------------|-----------|
| Milestone | Start Date | End Date |
| Project Charter & Associated Business Case | 8/17/2009 | 10/1/2009 |
| Identify Stakeholders & Core Team | 9/1/2009 | 10/1/2009 |
| Define Preliminary Scope, Schedule, & Budget | 9/1/2009 | 11/1/2009 |
| Select & Retain Owner's Engineer | 11/1/2009 | 1/15/2010 |
| Collect Historical Data & Perform Baseline Testing | 11/1/2009 | 6/1/2010 |
| Technical Specification Development | 2/1/2010 | 2/1/2011 |
| Bid, Evaluate, and Award Contracts | 6/1/2010 | 8/1/2011 |
| Vendor Engineering & Equipment Delivery | 8/1/2010 | 8/1/2013 |
| Construction | 1/1/2011 | 1/1/2015 |
| Startup & Commissioning | 1/1/2015 | 4/1/2015 |

2.3 RANGES OF CRITICAL UNCERTAIN FACTORS

(C) A specification of the ranges or combinations of outcomes for the critical uncertain factors that define the limits within which the preferred resource plan is judged to be appropriate and an explanation of how these limits were determined;

The ranges of critical uncertain factors are calculated by finding the value at which the critical uncertain factor needs to change in order for the Preferred Resource Plan to no longer be the lowest cost option. The values of the NPVRR for the Preferred Resource Plan and the lowest cost plan under extreme conditions are compared and by using linear interpolation a crossover point value is found and expressed as a percent of the range of the critical uncertain factor. These percentages are superimposed on the high, mid and low forecasts for each critical uncertain factor to develop the resulting ranges.

2.3.1 CRITICAL UNCERTAIN FACTOR: CO₂

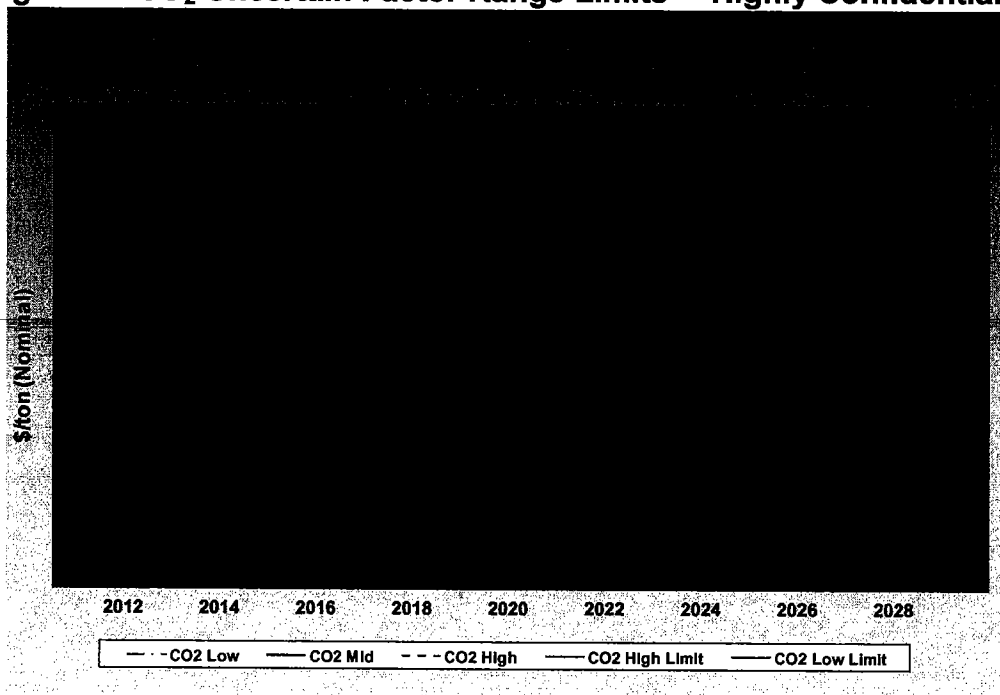
The uncertain factor range calculation is detailed in Table 2 below:

Table 2: CO₂ Uncertain Factor Range

| CO ₂ | | |
|-----------------|----------|----------|
| Plan | Mid | High |
| Plan24 | 14,809 | 16,106 |
| Plan22 | 14,735 | 16,110 |
| Percent | from Mid | from Low |
| Upper % | 95.18% | 97.59% |
| | | |
| Plan | Mid | Low |
| Plan06 | 14,936 | 14,121 |
| Plan22 | 14,735 | 14,125 |
| Percent | from Mid | from Low |
| Lower % | -97.89% | 1.06% |

The resulting limits of the range of this critical uncertain factor are detailed in Figure 77 below:

Figure 7: CO₂ Uncertain Factor Range Limits ** Highly Confidential **



2.3.2 CRITICAL UNCERTAIN FACTOR: COAL

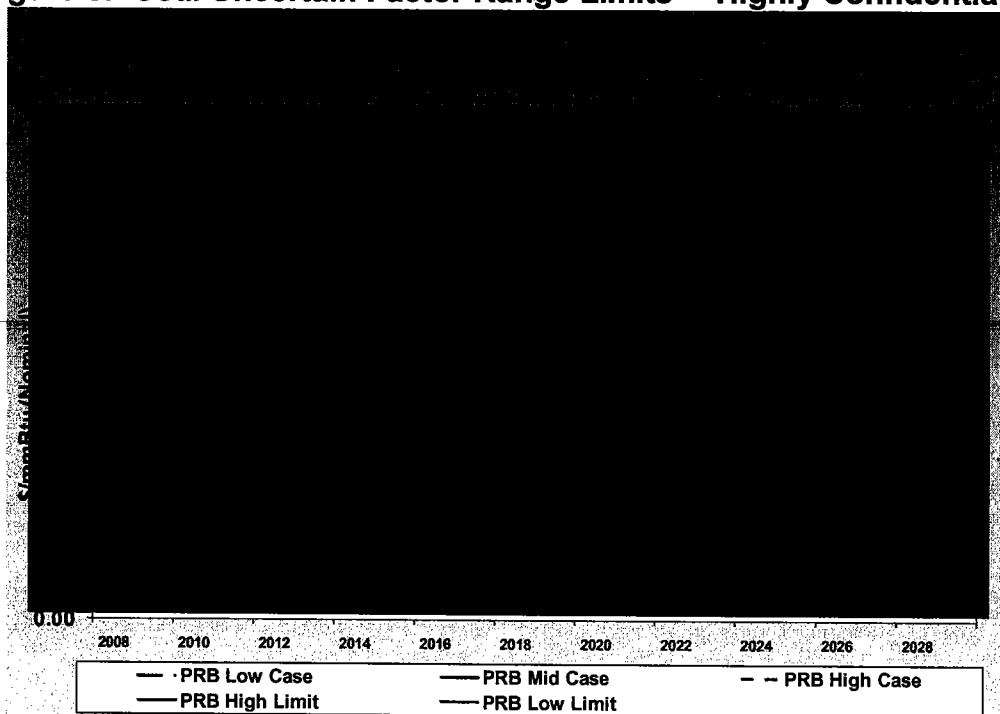
The uncertain factor range calculation is detailed in Table 3 below:

Table 3: Coal Uncertain Factor Range

| Coal | | |
|---------|----------|----------|
| Plan | Mid | High |
| Plan24 | 14,809 | 15,371 |
| Plan22 | 14,735 | 15,397 |
| Percent | from Mid | from Low |
| Upper % | 73.62% | 86.81% |
| | | |
| Plan | Mid | Low |
| Plan23 | 14,806 | 14,772 |
| Plan22 | 14,735 | 14,788 |
| Percent | from Mid | from Low |
| Lower % | -82.52% | 8.74% |

The resulting limits of the range of this critical uncertain factor are detailed in Figure 88 below:

Figure 8: Coal Uncertain Factor Range Limits ** Highly Confidential **



2.3.3 CRITICAL UNCERTAIN FACTOR: CONSTRUCTION COSTS

The uncertain factor range calculation is detailed in Table 4 below:

HC

Table 4: Construction Costs Uncertain Factor Range

| Construction | | |
|--------------|----------|----------|
| Plan | Mid | High |
| Plan07 | 15,000 | 14,276 |
| Plan22 | 14,735 | 14,379 |
| Percent | from Mid | from Low |
| Upper % | 71.85% | 85.92% |
| | | |
| Plan | Mid | Low |
| Plan21 | 14,813 | 14,841 |
| Plan22 | 14,735 | 14,903 |
| Percent | from Mid | from Low |
| Lower % | -55.60% | 22.20% |

The resulting limits of the critical uncertain factor must be compared on a technology by technology basis.

2.3.4 CRITICAL UNCERTAIN FACTOR: LOAD

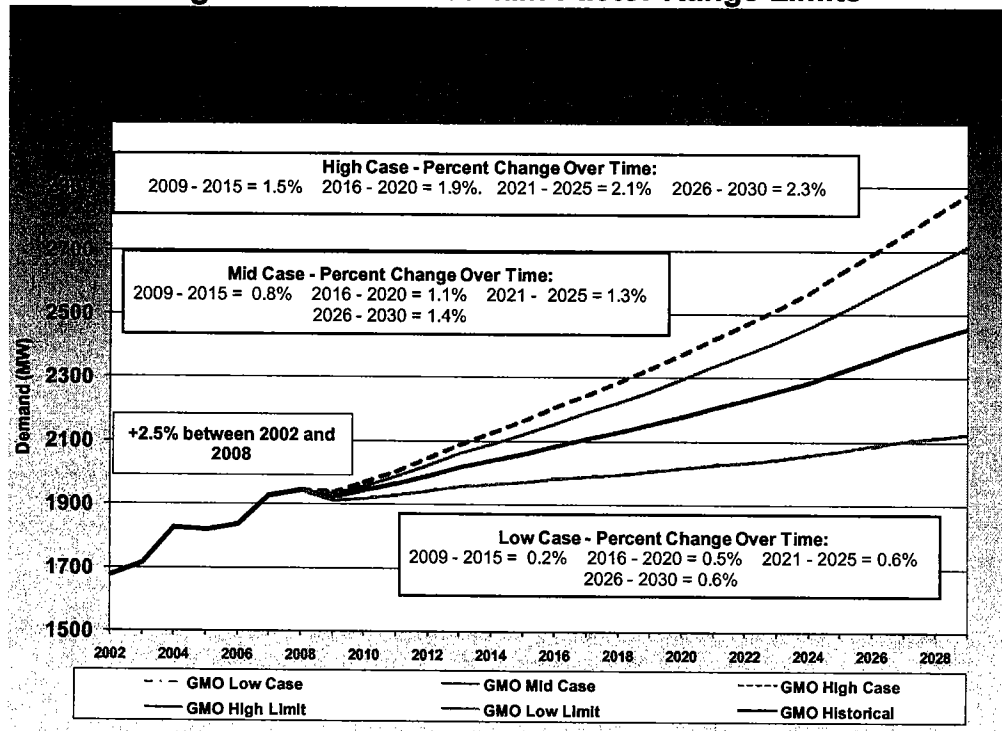
The uncertain factor range calculation is detailed in Table 5 below:

Table 5: Load Uncertain Factor Range

| Load | | |
|---------|----------|----------|
| Plan | Mid | High |
| Plan23 | 14,806 | 16,044 |
| Plan22 | 14,735 | 16,099 |
| Percent | from Mid | from Low |
| Upper % | 56.62% | 78.31% |
| | | |
| Plan | Mid | Low |
| Plan07 | 15,000 | 13,644 |
| Plan22 | 14,735 | 13,644 |
| Percent | from Mid | from Low |
| Lower % | -99.93% | 0.03% |

The resulting limits of the range of this critical uncertain factor are detailed in Figure 99 below:

Figure 9: Load Uncertain Factor Range Limits



2.3.5 CRITICAL UNCERTAIN FACTOR: NATURAL GAS

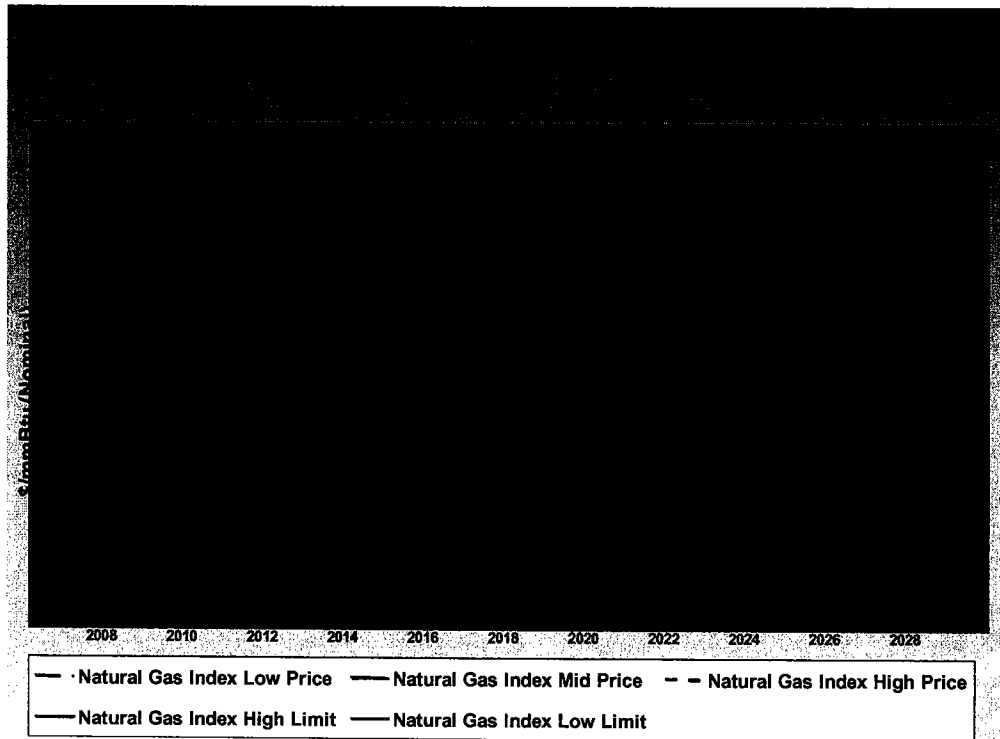
The uncertain factor range calculation is detailed in Table 6 below:

Table 6: Natural Gas Uncertain Factor Range

| Natural Gas | | |
|-------------|----------|----------|
| Plan | Mid | High |
| Plan23 | 14,806 | 15,077 |
| Plan22 | 14,735 | 15,095 |
| Percent | from Mid | from Low |
| Upper % | 79.92% | 89.96% |
| | | |
| Plan | Mid | Low |
| Plan07 | 15,000 | 14,917 |
| Plan22 | 14,735 | 14,932 |
| Percent | from Mid | from Low |
| Lower % | 94.37% | 2.81% |

The resulting limits of the range of this critical uncertain factor are detailed in Figure 1010 below:

Figure 10: Natural Gas Uncertain Factor Range Limits ** Highly Confidential **



2.3.6 CRITICAL UNCERTAIN FACTOR: FINANCIAL DRIVERS

In the preliminary sensitivity studies, it was determined that the plans would only be sensitive to an upward movement in financial drivers. The uncertain factor range calculation is detailed in Table 7 below:

Table 7: Financial Drivers Uncertain Factor Range

| Financial | | |
|-----------|----------|----------|
| Plan | Mid | High |
| Plan07 | 15,000 | 14,917 |
| Plan22 | 14,735 | 14,932 |
| Percent | from Mid | from Low |
| Upper % | 94.37% | 97.19% |

The resulting limits of the range of this critical uncertain factor are detailed in Table 8 below:

HC

Table 8: Financial Drivers Uncertain Factor Range Limits ** Highly Confidential **

| Measure | Low-Case | Mid-Case | High-Limit | High-Case |
|--------------------------------------|----------|----------|------------|-----------|
| Inflation | | | | |
| Short-term Rate | | | | |
| Long-term Rate | | | | |
| Return on Equity | | | | |
| Debt Ratio | | | | |
| Short-term debt / CWIP | | | | |
| | | | | |
| Pre-tax Return on Ratebase | | | | |
| After-tax Return on Ratebase (t=39%) | | | | |
| | | | | |
| AFUDC Equity Rate | | | | |
| AFUDC Debt Rate | | | | |
| AFUDC Rate | | | | |

2.4 CONTINGENCY OPTIONS

(D) A set of contingency options that are judged to be appropriate responses to extreme outcomes of the critical uncertain factors and an explanation of why these options are judged to be appropriate responses to the specified outcomes; and

The risk analysis demonstrates that should any critical uncertain factor limit be exceeded, the current Preferred Resource Plan should be reviewed with a number of Alternative Resource Plans. Each uncertain factor risk can cause different Alternative Resource Plan to perform better. The Alternative Resource Plans that should be evaluated along with the Preferred Resource Plan for each uncertain factor are listed in Table 9 below.

Table 9: Alternative Plans for Each Uncertain Factor

| Sensitivity | Plan06 | Plan07 | Plan21 | Plan23 | Plan24 |
|--------------------|---------------|---------------|---------------|---------------|---------------|
| High CO2 | | | X | | X |
| High Gas | | | X | X | X |
| High Load Growth | | | | X | X |
| High Construction | X | X | | | X |
| High Coal | | | | | X |
| High Interest | X | X | | | X |
| Low CO2 | X | X | | | |
| Low Gas | X | X | | | |
| Low Load Growth | | X | | | X |
| Low Construction | | X | X | | |
| Low Coal | | X | | X | |

The description of each Alternative Resource Plan is given in Table 10 below. Each of the contingency plans shown above are identical to the preferred plan during the 3-year implementation period, except for Plan 21, which calls for the first 100 MW of wind in 2010. Changes in critical uncertainties will not be known in time to achieve this in-service date, so it is unlikely that Plan 21 is a viable contingency.

Table 10: Alternative Resource Plans 1 - 24

| | Plan 1 | Plan 2 | Plan 3 | Plan 4 | Plan 5 | Plan 6 |
|-------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| DSM | All | None | All | None | All | All |
| Solar Begin: 2011 | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C |
| Wind | 400 MW Begin: 2016 | 400 MW Begin: 2016 | 600 MW Begin: 2016 | 500 MW Begin: 2014 | 300 MW Begin: 2018 | 400 MW Begin: 2016 |
| Combustion Turbines | 308 MW | 462 MW | 308 MW | 462 MW | 308 MW | 308 MW |
| Combustion Fluidized Bed (100% Biomass) | | | | | 50 MW | |
| Coal w/Carbon Capture and Sequestration | | | | | | |
| 10% Biomass Utilization in Existing Units | | | | | | 108 MW |
| Coal Retirement | | | | | | |
| | Plan 7 | Plan 8 | Plan 9 | Plan 10 | Plan 11 | Plan 12 |
| DSM | All | None | All | None | All | All |
| Solar Begin: 2011 | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C |
| Wind | 400 MW Begin: 2016 | 400 MW Begin: 2016 | 600 MW Begin: 2016 | 500 MW Begin: 2014 | 300 MW Begin: 2018 | 800 MW Begin: 2016 |
| Combustion Turbines | 462 MW | 616 MW | 462 MW | 616 MW | 462 MW | 308 MW |
| Combustion Fluidized Bed (100% Biomass) | | | | | 50 MW | |
| Coal w/Carbon Capture and Sequestration | | | | | | |
| 10% Biomass Utilization in Existing Units | | | | | | |
| Coal Retirement | 108 MW | 108 MW | 108 MW | 108 MW | 108 MW | |
| | Plan 13 | Plan 14 | Plan 15 | Plan 16 | Plan 17 | Plan 18 |
| DSM | All | All | Existing | 1% | All | All |
| Solar Begin: 2011 | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C |
| Wind | 400 MW Begin: 2016 | 800 MW Begin: 2016 | 800 MW Begin: 2016 | 800 MW Begin: 2016 | 900 MW Begin: 2012 | 900 MW Begin: 2010 |
| Combustion Turbines | 154 MW | 308 MW | 462 MW | 0 | 308 MW | 308 MW |
| Combustion Fluidized Bed (100% Biomass) | | | | | | |
| Coal w/Carbon Capture and Sequestration | 150 MW | | | | | |
| 10% Biomass Utilization in Existing Units | | | | | | |
| Coal Retirement | | | | | | |
| | Plan 19 | Plan 20 | Plan 21 | Plan 22 | Plan 23 | Plan 24 |
| DSM | All | All | All | All | All | All |
| Solar Begin: 2011 | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C | Mo. Prop C |
| Wind | 900 MW Begin: 2010 | 900 MW Begin: 2010 | 900 MW Begin: 2010 | 900 MW Begin: 2012 | 900 MW Begin: 2012 | 900 MW Begin: 2012 |
| Combustion Turbines | 308 MW | 154 MW | 154 MW | 308 MW | 154 MW | 154 MW |
| Combustion Fluidized Bed (100% Biomass) | | | | | | |
| Coal w/Carbon Capture and Sequestration | | 150 MW | 150 MW | | 150 MW | 150 MW |
| 10% Biomass Utilization in Existing Units | 108 MW | | 108 MW | 108 MW | | 108 MW |
| Coal Retirement | | | | | | |

Note: Combustion Turbines Not Needed Until 2022 Unless No DSM or Sibley 1&2 Retired

2.5 MONITORING CRITICAL UNCERTAIN FACTORS

(E) A process for monitoring the critical uncertain factors on a continuous basis and reporting significant changes in a timely fashion to those managers or officers who have the authority to direct the implementation of contingency options when the specified limits for uncertain factors are exceeded.

Each critical uncertain factor is reviewed on an individual basis due to the varied nature of the information sources used in its review.

Critical Uncertain Factor: CO₂

CO₂ credit prices are reviewed on a continual basis. The data sources used are third party views predicting the price of the credits. Most of these third party studies are sparked by proposed legislation or are updated up to a quarterly basis. This review and update is conducted by the Fuels department with a full review conducted on an annual basis.

Critical Uncertain Factor: Coal

Coal prices are updated for all purposes within the company on a monthly basis. This review is conducted by the Fuel department.

Critical Uncertain Factor: Construction Costs

Construction costs are updated as new information comes in from sources such as EPRI TAG, published third party reports, RFP responses, etc. This review and updating is a continual process.

Critical Uncertain Factor: Load

Load forecasts are updated on an annual basis as part of the company's annual budgeting process.

Critical Uncertain Factor: Natural Gas

Natural Gas forecasts are updated weekly with executive updates provided on a monthly basis.

Critical Uncertain Factor: Financial Drivers

Financial measures are updated annually as part of the annual budget process.

Market conditions may change the time frame under which a new review of any of these aforementioned forecasts would occur.