

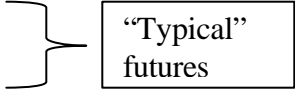
Finishing the Plan

Status

- 1) Executive Summary and Action Plan -- *Outline complete*
- 2) Introduction -- *Draft to PA for editing*
- 3) Where does the region stand (current status of the power system) -- *Draft to PA for editing*
- 4) Resource alternatives and characteristics --
 - a) Demand side
 - i) Conservation -- *Draft to PA for editing*
 - ii) Demand Response -- *Draft to PA for editing*
 - b) Supply side (generation) -- *in process*
- 5) A brief description of the treatment of risk in the Plan -- *Draft to PA for editing*
- 6) Portfolio Analysis -- *in process*
 - a) The recommended plan –
 - i) Develop approximately XX MW per year of conservation costing up to a total levelized cost of YY (higher cost conservation may be justified depending on shape of savings, see....)
 - ii) Identify the size and cost of the demand response resource and put in place the necessary policies and programs necessary to implement by 2008
 - iii) Be prepared to begin or resume construction of the following types and amounts of generation on the following schedule:

Resource	Characteristics	2006	2008	2010	2012	2014	2020
Gas CCCT	High efficiency, moderate capital cost, moderate lead time, moderate-high fuel cost. Moderate CO ₂ production,						
Gas SCCT	Moderate efficiency, low capital cost, short lead time, high fuel cost. Moderate-high CO ₂ production.						
Coal	Moderate efficiency, high capital cost, long lead time, low fuel cost. High CO ₂ production						
Wind	High capital cost, short lead time if adequate transmission available, zero fuel costs, intermittent. NO CO ₂ production.						

- iv) Assess need for and implement transmission upgrades necessary to bring recommended resources to load. Preliminary analysis suggests that...

- v) Maintain regional adequacy standard of XXYYZZ (defined as), i.e. make resource decisions so as to maintain this adequacy standard
 - b) Representative development under alternative futures (Charts showing development of resources, net present value cost, utilization of DR)
 - i) Future 1
 - ii) Future 2
 - iii) Future 3
 - iv) Future for which plan performs best
 - v) Future for which plan performs least well
 - c) Comparison of preferred plan with alternative plans (Expected Cost, Risk Measure)
 - i) Effect of alternative levels of adequacy standards -- the cost-risk trade-off (expected cost, risk measure)
 - ii) Limited conservation (limit to market price) → Value of conservation
 - iii) Demand response
 - (1) limited demand response → Value of demand response
 - (2) Demand response costs more
 - iv) Renewables
 - (1) Limited renewables → value of renewables
 - (2) Sustained orderly developments (i.e. sustained development of X MW/year)
 - d) Sensitivity Testing -- effects on plan makeup, cost, risk of:
 - i) Persistent high natural gas prices (shift the distribution upward)
 - ii) Sensitivity to electricity market price volatility (reduced magnitude, frequency, duration of jumps)
 - iii) Climate change policy
 - (1) Certain No climate change mitigation (Carbon tax = 0)
 - (2) Certain climate change mitigation, e.g. McCain-Lieberman (MIT study p17)
 - e) Identify “Red Flag” events or developments – what would make us re-evaluate or re-focus the plan
- 7) Resource adequacy -- Issue Analysis, conclusions and recommendations -- *in process*
 - 8) Conservation implementation -- Issue Analysis, conclusions and recommendations -- *in process*
 - 9) Demand response -- Issue Analysis, conclusions and recommendations -- *in process*
 - 10) Climate change risk mitigation, the role of renewable resources -- Issue Analysis, conclusions and recommendations -- *in process*
 - 11) Transmission issues and requirements -- Issue Analysis, conclusions and recommendations -- *in process*
 - 12) Fish and Power -- Issue Analysis, conclusions and recommendations -- *in process*
 - 13) The future role of Bonneville *in process*

Appendices

- A. Demand Forecast -- *Draft to PA for editing*
- B. Fuel Forecast -- *Draft to PA for editing*
- C. Conservation Resource Assessment – *in process*
- D. Demand Response Assessment – *in process*
- E. Generation Resource Assessment – *in Process*
- F. Market Price Forecast – *to PA for editing*
- G. Description of the Portfolio Model – *in process*
- H. Climate Change -- *in process*
 - a) State of the Science
 - b) Potential impacts to the power system and to fish and wildlife

Where to from here:

1. Drafts of remaining main sections to power Committee by June meeting
2. Finalize for July meeting

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