

Appendices

2007 Integrated Resource Plan

Contents	<i>i</i>
A. Public Participation.....	A-1
Integrated Resource Planning Advisory Group	A-1
Conservation Resources Advisory Group.....	A-2
Summary of IRPAG and CRAG Meetings	A-3
B. Legal Requirements	B-1
C. Environmental Matters.....	C-1
PSE Greenhouse Gas Policy	C-2
Climate Change Overview	C-6
Fossil Fuel Emissions	C-21
Regulatory and Policy Activity.....	C-23
D. Electric Resource Alternatives.....	D-1
Demand-side Measures.....	D-2
Solar Energy	D-5
Biomass	D-9
Fuel Cells.....	D-14
Water-based Generation	D-17
Waste to Energy Technologies	D-26
Wind Energy	D-29
Geothermal	D-34
Coal.....	D-37
Natural Gas.....	D-50
Nuclear.....	D-55
PPAs and PBAs	D-58
E. Regional Transmission Resources.....	E-1
Regionally-based Efforts	E-1
The Energy Policy Act of 2005	E-3
F. Financial Considerations.....	F-1
Primary Considerations.....	F-2
Further Financial Considerations.....	F-9

G. Wind Integration Studies	G-1
Managing Variable Output	G-2
Integration Studies Overview	G-3
Comparison of Studies	G-7
H. Load Forecasting Models.....	H-1
Electric and Gas Billed Sales and Customer Counts	H-1
Peak Load Forecasting.....	H-3
Hourly Electric Demand Profile	H-6
I. Electric Analysis	I-1
Methods and Models	I-3
Data	I-14
J. Gas Analysis	J-1
Analytical Models	J-1
Analytical Results	J-8
K. Demand-side Analysis.....	CD enclosed