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Puget Sound Energy 2009 IRP (2010-2029)

			Planning Scenarios					Key Sensitivites				
		Reference Assumptions	Current Trends	Green World	Low Growth	High Growth	Business As Usual	Extreme Gas Prices	Resource Costs	Legislative Changes	CCS + Emerging DSR	Transport
Theme			Best estimate of current resource costs and characteristics, fuel prices, state laws and moderate federal environmental policies	Support for stronger environmental legislation at the federal level, with continuation of state level RPS	Lower regional and PSE demand load growth based on lower long-term economic growth.	Higher regional and PSE demand load growth based on related long-term economic growth.	Best estimate of current costs with current environmental policies	Impact of very high or very low gas prices	Impact of resource costs greater or lower than reference	Impacts of state legislative changes	Possiblity of Carbon Capture and Sequestration (CCS) technology and emerging Demand Side Resources	Impact of Plug-in Electric Hybrid Vehicles (PHEV)
WECC Demand (AURORA)		EPIS Averages: CA: 1.97% SW: 2.5% PNW: 1.43% RM: 1.86%	Reference	Low Growth	Low Growth	High Growth	Reference	Reference	Reference	Reference	?	Reference
PSE Demand		Base: 2%	Reference	Low: 1.9%	Low: 1.9%	High: 2.1%	Reference	Reference	Reference	Reference	?	Base + Transport load
Gas Price		Forward Marks for 2010-2013, and Global Insight's long run fundamental forecast	Reference	Global Insight's long run high forecast	Global Insight's long run low forecast	Global Insight's long run high forecast	Reference	Very High or Very Low Gas price forecasts	Reference	Reference	?	Reference
Coal Price		Global Insight	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference
Generic Resource Cost ($/KW) Escalation		PSE market based estimates	Reference	High Resource Costs	Low Resource Costs	High Resource Costs	Reference	Reference	High or Low Resource Costs	Reference	Add IGCCwCCS and CCCTwCCS into resource mix	Reference
Emissions (Nominal $/Ton)	CO2		Lieberman-Warner Bill (EPA) Start in 2012 2012: $41 2020: $74 2029: $143	Wood Mackenzie Start in 2012 2013: $61 2020: $142 2029: $166	RCW 80.70 - Carbon Mitigation Plan 250 MW or greater $1.60/ton for 20% of total CO2	Lieberman-Warner Bill (EPA) Start in 2012 2012: $41 2020: $74 2029: $143	RCW 80.70 - Carbon Mitigation Plan 250 MW or greater $1.60/ton for 20% of total CO2	?	?	?	?	?
	SO2	Wood Mackenzie 2010: $229 2020: $1390 2029: $3796	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference
	Nox	Wood Mackenzie 2010: $2413 2020: $1865 2029: $2486	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference
Production Tax Credits ($/MWh)		$21:2010-2013 For all eligible technologies	Reference	$21:2010-2015 For all eligible technologies	Reference	Reference	No PTC extension	?	?	?	?	?
Investment Tax Credit		Solar: 30% (2010-2013), then 10% 10%: Geothermal and Biomass	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference
RPS		Meet Current State RPS through 2029	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Higher or Lower RPS Targets	Reference	Reference
Build Constraints		Limited amount of Coal and IGCC builds to meet load growth only. No new nuclear builds.	Reference	Reference	Reference	Reference	Higher amount of Coal and IGCC builds allowed (AURORA)	Reference	Reference	Changes to RCW 80.80	CCS available starting in 2026	Reference
Renewable Energy Credit ($/MWh)		2010: $8.00 Increase at same rate as wind capital cost: 2011-2029	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference