

RISK SUMMARY - ALL PORTFOLIOS

(Key Risks Only)

March 4, 2010

DRAFT

SUPPLY/FEATURE		RISK EVENT		Raw Risk Scores			Mitigated Risk Scores		
				P2	P4	P5	P2	P4	P5
				Risk Score (Raw)	Risk Score (Raw)	Risk Score (Raw)	Risk Score (Mitig.)	Risk Score (Mitig.)	Risk Score (Mitig.)
Broad Portfolio Risks or Mitigation (cross-cutting)									
All Surface Sources	Future federal water treatment standards become more stringent.			16	16	16	16	16	16
Tacoma Supply									
Tacoma-Cascade Pipeline (or Lake Tapps Pipeline north of Tacoma SSP)	ROW acquisition problems, franchise, easements etc.			20	20	20	6	6	6
	Urban development complicates pipeline construction.			16	16	16	9	9	9
	Permitting or construction challenges delay construction and increase complexity			12	12	12	6	6	6
	Damage due to seismic event. *			5	5	3	5	5	3
Lake Tapps Supply									
Lake Tapps source	Regulatory risk on water right issuance.			10	6	4	10	6	4
	Seismic impacts affect dikes or other facilities.			15	12	12	3	3	3
	Volcanic mud flow (lahar) damages White River facilities.			10	8	6	8	8	6
	USACOE does not maintain facilities as planned. *			4	3	1	4	3	1
	Loss of diversion due to bedload or debris blockage of intake			12	9	3	12	9	3
Lake Tapps Pipeline (portion south of Tacoma SSP)	ROW acquisition problems.			20	20	20	6	6	6
	Urban development complicates pipeline construction.			16	16	16	9	9	9
	Permitting or construction challenges delay construction			12	12	12	6	6	6
	Damage due to seismic event or other disaster. *			4	3	2	4	3	1
Other Cascade Facilities									
Cascade BIP	ROW acquisition problems (note only for eastern corridor)			10	10	10	8	8	8
	Urban development complicates pipeline construction.			12	12	12	8	8	8
Cascade BKR pipeline	ROW acquisition problems (note alternative configurations)			16	16	9	6	6	2
	Urban development complicates pipeline construction.			12	12	6	12	12	6
	Permitting or construction challenges delay construction			12	12	6	6	6	2
SPU Supplies (Existing Block Contract)									
SPU Transmission system	Aging pipelines deteriorate or fail.			12	12	12	6	6	6
	Damage due to Seismic Event			12	12	12	12	12	12
Total Risk Scores:				258	244	210	162	153	123

* Included in summary due to relatively high severity score (low probability but high severity)
 Note: risk of increased construction costs not shown here; since captured in cost ranges with time risk included.

	Not Applicable
	Low 1-4
	Medium 5-9
	High 10-15
	Very High 16-25