

Renewable Resource Associated System Capacity Contribution for Draft and Final Plan

		Q1	Q2	Q3	Q4			
Solar PV	Draft	0%	52%	88.2%	0%			
	Final	25.9%	80.5%*	80.5%	42%			
Wind	Draft	5%	5%	5%	5%			
	Final	2.6%	11.3%*	11.3%	8.3%			
Geothermal	Draft	N/A	N/A	N/A	N/A			
	Final	128%	100%*	102%	120%			
* - Note a lack of adequacy issues in Q2 makes the system capacity contribution essentially zero. The numbers used here are from Q3 to avoid computational difficulties.								
Northwest Power and 14								

		Q1	Q2	Q3	Q4
Energy Efficiency	Draft	120%	120%	120%	120%
	Final	124%	101%*	114%	116%
Natural Gas Fired Generation	Draft	99.1%	99.1%	99.1%	99.1%
	Final	128%	100%*	102%	120%
* - Note a lack of adequac	u issues in C	22 makes the suste	n canacity contribu	tion occontially ran	a The numbers

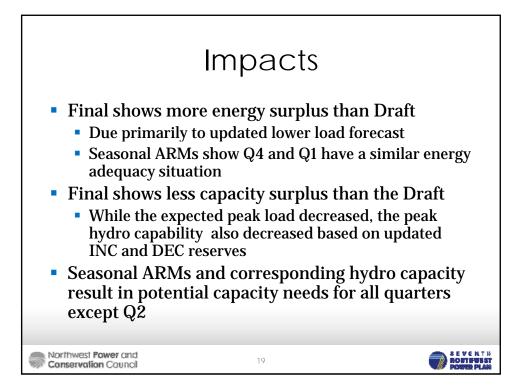
Draft Plan "Average" Balance

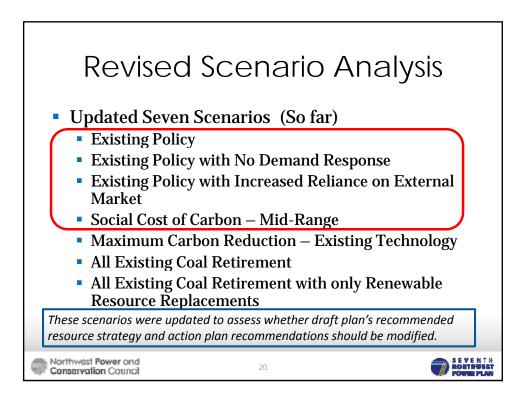
ENERGY (aMW)	Q4 2015	Q1 2016	Q2 2016	Q3 2016				
Load	22,730	22,510	21,276	21,448				
Resource	23,129	23,440 23,506		23,523				
Critical Year Q1 Hydro	10,642							
Energy ARM	-2.93%							
Resource - Load*(1+ARM)	1,066	1,590 2,855		2,704				
	1,000	1,550	2,833	2,704				
CAPACITY (MW)	Q4 2015	Q1 2016	Q2 2016	Q3 2016				
Expected Peak Load	31,207	31,468	25,310	26,713				
Peak Resource	30,716	31,181	31,184	31,544				
Critical Year Q1 Peak Hydro	18,785							
Capacity ARM		3	.04%					
Resource - Load*(1+ARM)	- 1,442	- 1,246	5,104	4,018				
Northwest Power and Conservation Council		16						

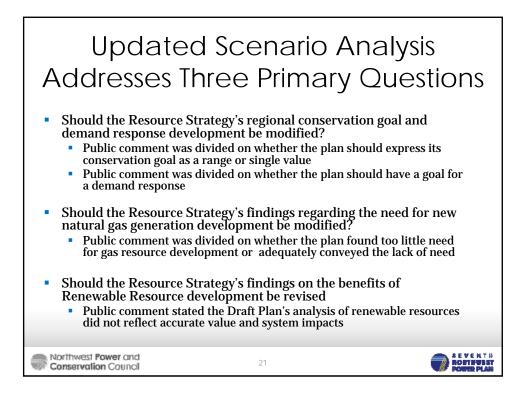
Proposed Final Plan "Average"									
Balance									
ENERGY (aMW) Q4 2015 Q1 2016 Q2 2016 Q3 2016									
Load	21853	21333	19034	19770					
Resource	24314	23440	26659	23451					
Hydro (2.5 percentile)	11827	10642	13794	10569					
Energy ARM	1.97%	-3.09%	0.00%	-0.37%					
Resource - Load*(1+ARM)	2031	2766	7624	3755					
CAPACITY (MW)	Q4 2015	Q1 2016	Q2 2016	Q3 2016					
Expected Peak Load	30988	30497	23893	25098					
Peak Resource	28646	30186	29191	28231					
Peak Hydro (2.5 percentile)	16715	17790	16792	15404					
Capacity ARM	-0.51%	0.65%	0.00%	7.52%					
Resource - Load*(1+ARM)	-2184	-508	5298	1246					
Northwest Power and 17									

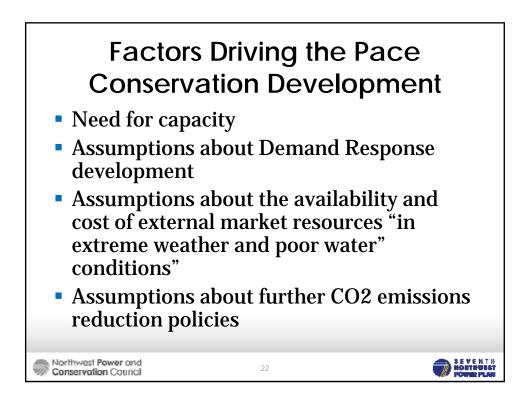
Draft to Proposed Final Deltas

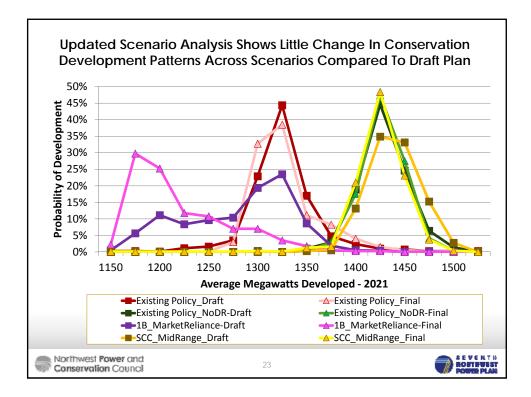
ENERGY (aMW)	Q4 2015	Q1 2016	Q2 2016	Q3 2016	
Load	- 877	- 1177	- 2241	-1678	
Resource	1185	0	3152	-72	
Hydro	1185	0	3152	-73	
Energy ARM	4.90%	-0.16%	2.93%	2.56%	
Resource - Load*(1+ARM)	965	1176	4770	1051	
CAPACITY (MW)	Q4 2015	Q1 2016	Q2 2016	Q3 2016	
Expected Peak Load	-219	-972	-1416	-1615	
Peak Resource	-2070	-994	-1993	-3313	
Peak Hydro	-2070	-994	-1993	-3381	
Capacity ARM	-3.55%	-2.40%	-3.04%	4.47%	
Resource - Load*(1+ARM)	-742	738	194	- 2771	
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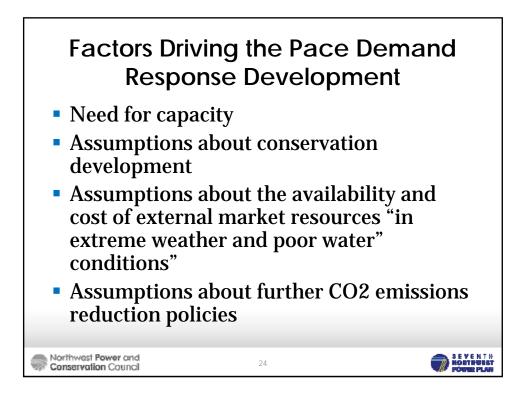


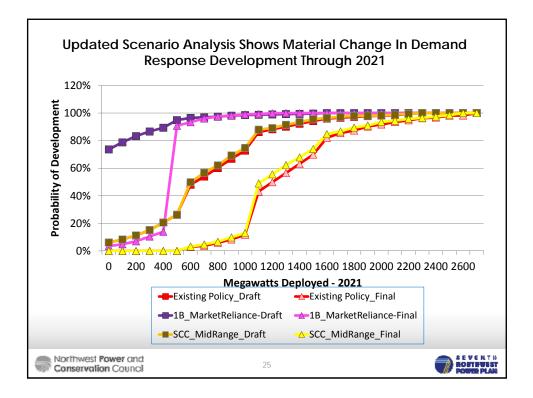


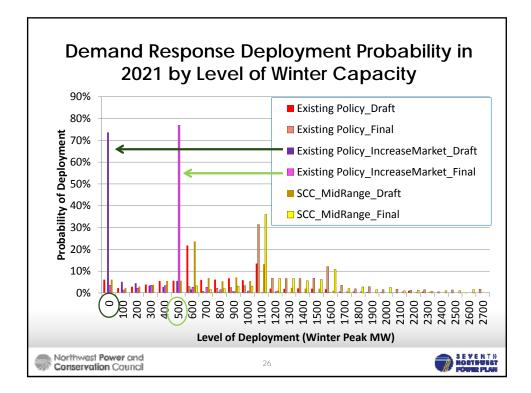


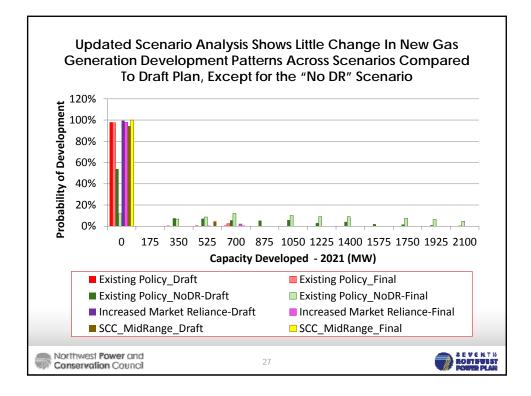


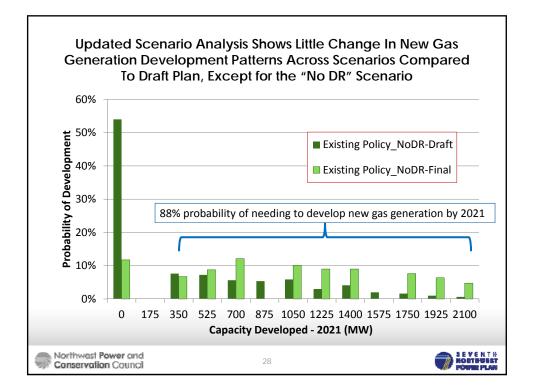


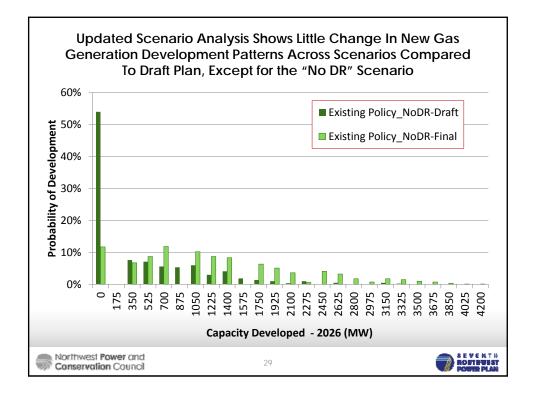












Balancing and Flexibility Curtailment Analysis FY 2021								
Name of Scenario		Percent of Hydro Years		Morning Ramp Hours	Evening Ramp Hours	Peak Hours	Off-Peak Hours	
Existing System	37	46.25%	260	95	7	748	2	
Existing system +1400 EE	17	21.25%	38	7	0	74	4	
Existing system +1400 EE + 620 DR	6	7.50%	14	6	0	31	0	
Existing system +1400 EE + 1360 DR	3	3.75%	8	1	0	13	2	
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