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July 29, 2014

MEMORANDUM

TO: Council Members

FROM: Charlie Grist

SUBJECT: Bonneville Energy Efficiency Plan Update

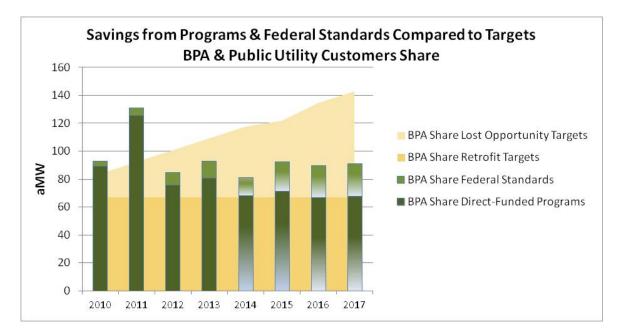
Bonneville will brief the Council on its updated energy efficiency plan for 2015-2017. Richard Genecé, Vice President of Energy Efficiency for Bonneville and Danielle Gidding, Energy Efficiency Planning Specialist, will present Bonneville's recent analysis of accomplished and projected savings. Bonneville will also outline its plans for monitoring progress towards its energy efficiency goals and discuss next steps should savings not materialize as expected.

Bonneville is committed to achieving its share of Council Plan targets and is assessing how best to achieve the Sixth Plan's goal which calls for increasing savings after 2014. As part of that process, Bonneville is updating its energy efficiency plan to cover the period 2015-2017. The plan was last updated in 2012 to cover the period 2010-2014. The energy efficiency plan outlines Bonneville's strategy for helping its utility customers achieve overall conservation targets including the technical and financial resources Bonneville will provide. Bonneville will present its proposed strategy for 2015-2017 at the Council meeting. The agency concludes that it is on track to meet or exceed 2010-2014 savings targets. It also concludes that it has a strong likelihood of meeting increasing efficiency goals in 2015-2017.

The Council's Sixth Plan was not explicit in establishing annual targets after 2014 but the plan's supporting analysis has conservation acquisitions increasing until about

2020 in nearly all futures. Bonneville also estimates its share of the Plan's targets will increase after 2014. Bonneville's cumulative savings goal for the period 2010-2014 is 504 average megawatts of savings. For the period 2015-2017, Bonneville estimates its cumulative target at approximately 400 average megawatts - a roughly 30 percent increase in the rate of acquisition from the current period.

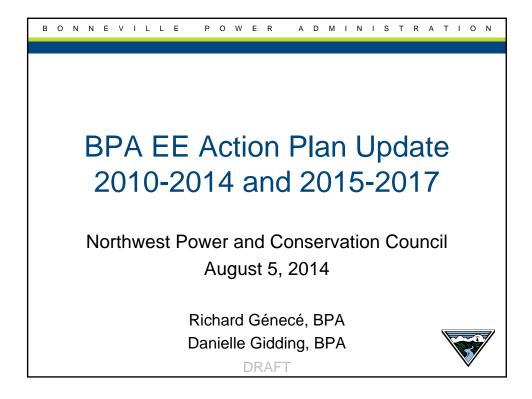
Bonneville identifies three broad categories of savings; direct-funded programs, federal standards and non-programmatic savings. Direct-funded programs include Bonneville-funded programs, utility self-funded programs and NEEA programs. Bonneville forecasts savings from direct-funded programs to remain relatively constant at about 70 average megawatts per year. These programs are forecast to produce a little over 200 average megawatts of savings in the 2015-2017 time frame. In addition, Bonneville's share of federal appliance and lighting standards will produce nearly 70 average megawatts in the 2015-2017 time frame. These two categories make up about two-thirds of the 2015-2017 target. The figure below estimates Bonneville's share of historical and forecast savings from programs and federal standards against Bonneville's share of the Sixth Plan conservation goals.

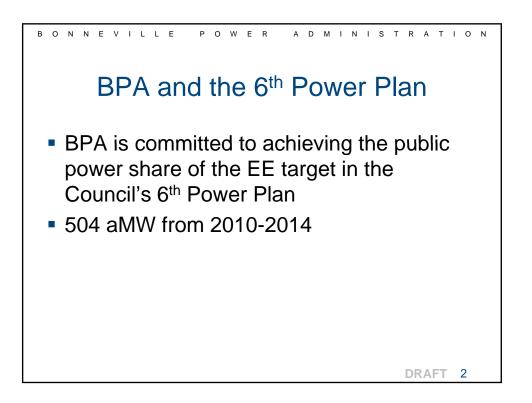


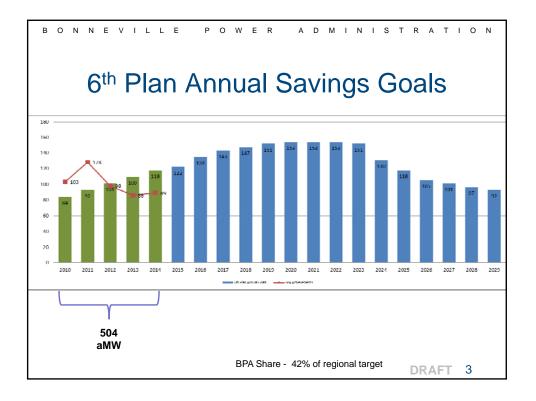
There are additional sources of savings that contribute to Sixth Plan targets. The remaining sources of savings are categorized as non-programmatic savings by Bonneville. These are savings that occur outside of direct-funded programs or federal standards. The savings are achieved largely through market uptake of efficient products by customers not participating in utility or NEEA programs, although that uptake may have been influenced by past programs. Non-programmatic savings can be verified given sufficient research and analysis. To the extent the non-programmatic savings are measured and documented they count towards the Council's savings targets. However, since non-programmatic savings are based on market movement, their magnitude and timing are largely outside of Bonneville's immediate influence.

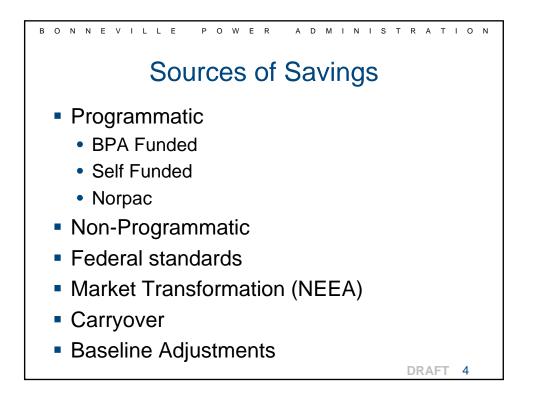
Bonneville identified significant non-programmatic savings occurring in 2010-2012 as a result of efficiency improvements in non-residential lamp shipments. For the 2015-2017 period, Bonneville has forecast a range of savings which may occur as a result of non-programmatic activity in lighting and other areas. Under its low nonprogrammatic savings forecast, Bonneville's total savings fall short of its 2015-2017 conservation targets. In the high non-programmatic savings forecast estimate, BPA exceeds its targets.

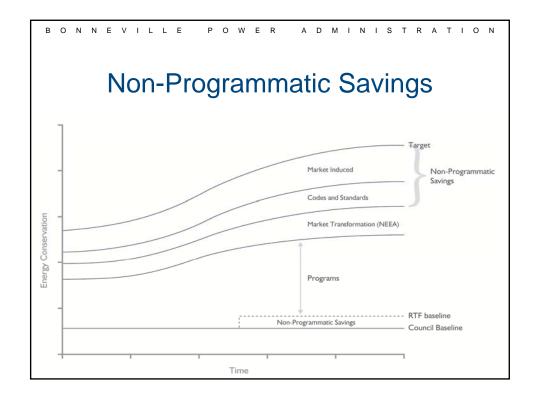
Given the uncertainty surrounding the savings estimates and Bonneville's reliance on forecast non-programmatic savings to achieve its energy efficiency goals, it will be important for Bonneville and the Council to closely monitor both programmatic as well as non-programmatic activity over the next few years. The reliance on non-programmatic savings to achieve the region's conservation targets also supports the identification of actions that Bonneville can implement to ensure its 2015-2017 conservation goals are achieved. Richard Genecé will describe these options at the Council meeting.



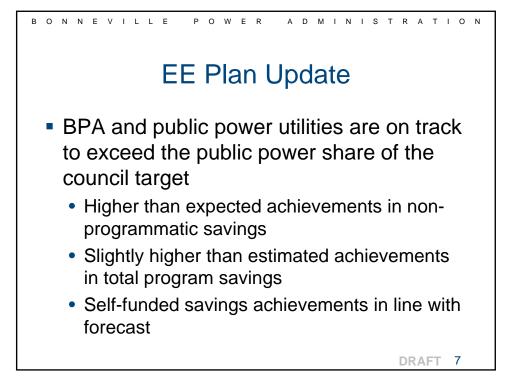








6th Plan Savings Summary (aMW) - 2012 EE Plan										
2010	2011	2012	2013	2014	Total					
Actual	Estimated	Projected	Projected	Projected	Savings					
57	105	46	42	39	289					
23	2	16	14	13	68					
0	0.60	6.40	0.00	4.60	12					
11	11	8	8	8	46					
15	14	14	14	13	70					
0	0	11	11	11	34					
106	132	102	89	89	518					
103	128	98	86	89	504					
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BONNEVILLE	P O W	ER	A D M	INIS	TRAT	I O N			
2010-2014 Savings Actual and Projected 6th Plan Savings Summary (aMW) - Adjusted and Updated for Actuals									
	2010	2011	2012	2013	2014	Total			
Savings by funding source	Actual	Actual	Actual	Actual	Projected	Savings			
BPA Funded Programmatic Savings	51	111	47	45	41	295			
Utility Self Funded Savings	28	3	12	26	14	84			
Norpac - BPA Funded	0	1	6	0	4	10.4			
Norpac - Cowlitz PUD Funded	0	0	1	0	1	1.9			
Market Transformation (NEEA)**	10	10	10	10	9	48			
Non-Programmatic	14	22	37	26	27	126			
Baseline Adjustments						9			
Total Annual Savings	103	148	112	107	95	574			
Total Reported 6th Plan Savings*	100	144	109	104	95	561			
Carryover						34			
Total Annual Savings	103	148	112	107	95	613			
Total Reported 6th Plan Savings*	100	144	109	104	95	595			
* adjusted for savings with a 1 year measure life									
**NEEA net-market effects					DRAFT	8			

