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August 7, 2018

## MEMORANDUM

TO: Council Members

FROM: Charlie Grist, Kevin Smit, Jennifer Light, and Tina Jayaweera

SUBJECT: Draft Value of Conservation White Paper and Proposed Next Steps

## BACKGROUND:

- Presenter: Ben Kujala
- Summary: Staff have completed drafts of Sections 3, 4, and 5 of the Value of Conservation White Paper. Discussion of these draft sections with the Power Committee is the next milestone in the development of the paper. Staff plan to present on the content in these sections, the review process to date, and proposed next steps.
- Relevance: Throughout the development of the Seventh Plan, utility general managers presented to the Council on the challenges they face in implementing energy efficiency. In part a response to this, the Seventh Plan identified three action items for Bonneville to quantify the value of conservation, explore different efficiency implementation approaches, and identify barriers to conservation acquisition (BPA-5, BPA-6, and BPA-7). While not directly tied to these Action Items, Council staff have been working on a white paper outlining the value of conservation, with a focus on how those benefits flow back differentially to utilities.
- Workplan: A.1.2. Engage with Bonneville to ensure the value of conservation is included in budgeting discussions.

Background: The Seventh Plan highlights the value of conservation to the region. This includes direct value to the utility system, as well as to end use customers and the society at large. It is clear, however, that energy efficiency does not provide equal value to all utilities. The purpose of this paper is to explore the broad value of energy efficiency, as well as how that value flows back differentially to utilities.

Council staff worked with the Power Committee to develop an outline and project plan for the development of this paper. As described in the project plan (linked below), the first step for staff was to draft Sections 3 and 4 and present to the Power Committee for comment. Section 3 focuses on context about the Bonneville system, including its rate structure and energy efficiency funding mechanism. Section 4 provides a high-level overview of the various value streams of energy efficiency, focusing on the regional perspective. Staff shared these draft sections with the Conservation Resources Advisory Committee (CRAC) at its June 5 meeting. The CRAC provided some comments on these sections, which staff incorporated into the updated document.

In addition, staff has been working on Section 5, which starts to explore the utility specific values of energy efficiency. As outlined in the project plan, the first step was to develop a qualitative analysis that informs the impact on these values. Four utilities volunteered for interviews to provide their individual perspectives. The purpose of capturing this qualitative analysis was to inform on whether developing a quantitative model to further investigate these impacts was fruitful.

At the August Power Committee meeting, staff will share these draft sections and discuss the next steps for this white paper.

More Info: Draft Value of Conservation White Paper: Sections 3-5 Value of Conservation White Paper Outline: <u>https://nwcouncil.box.com/s/6k708e3j24aln7dtglg177k34q64ggc4</u>

> Value of Conservation White Paper Project Work Flow: https://nwcouncil.box.com/s/xo5dumc11tyjq6o3mi6m5keugswfp5np

















		BPA Rates
Tier 1 Charges	Customer Charges	Includes the customer rates and billing determinants, which is based on the Tier One Cost Allocation (TOCA), aka Composite Charge
	Demand Charges	Applies to Load Following and Block with Shaping Capacity customers. Monthly demand charge ( $\beta/kW$ ).
	Load Shaping Charge	Applies to Load Following and Block customers. The charge could be a charge or credit. Load shaping rates for High Load Hours (HLH) and Low Load Hours (LLH) (mills/kWh)
	Product Conversion Charge	Customers that have converted from the Slice product to a Non-Slice product (monthly charge)
	Spill Surcharge	Applies to Load Following, Block, Slice/Block (block portion). Specified in General Rate Schedule Provisions (GRSP) Appendix C.
Tier 2 Rate	Load Shaping Charge	Applicable to customers that have elected to serve Above-RHWM Load with purchases at Tier 2 rates.
	Short Term Charge	Applicable to customers that have elected to purchase power at the Tier 2 Short- Term Rate, as specified in the customer's CHWM Contract
	Load Growth Charge	Applicable to customers that have elected to purchase power at the Tier 2 Load Growth Rate
	VR1-2014 Charge	51.4 mills/kWh
	VR1-2016 Charge	46.5 mills/kWh
	VR=Vintage Rate	
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## Section 5 Project Plan

Steps:

- 1. Gather info and source material
- 2. Create a qualitative analysis that informs impacts of utility specific values of EE
- 3. Identify the value of developing a quantitative model to investigate impacts of utility specific value and present to P4

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Northwest **Power** and **Conservation** Council

