WUTC DOCKET: UE-200900 UG-200901 UE-200894 EXHIBIT: EB-6C (R)

ADMIT ☑ W/D ☐ REJECT ☐

Exhibit No. EB-6C

Docket No. UE-200900,

UG200901, UE-

200894

AVISTA GENERAL RATE CASE

Witness: Ed Burgess

## BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

AVISTA CORPORATION d/b/a AVISTA UTILITIES,

Respondent.

DOCKETS UE-200900, UG-200901, UE-200894 (*Consolidated*)

# EXHIBIT EB-6C TO THE PREFILED RESPONSE TESTIMONY OF ED BURGESS

ON BEHALF OF THE SIERRA CLUB

**April 21, 2021** 

**Confidential per protective order - REDACTED VERSION** 

## AVISTA CORP. RESPONSE TO REQUEST FOR INFORMATION

JURISDICTION: WASHINGTON DATE PREPARED: 04/12/2021

CASE NO.: UE-200900, UG-200901, WITNESS: Jason R. Thackston

UE-200894

REQUESTER: Sierra Club RESPONDER: Thomas C Dempsey

TYPE: Data Request DEPT: GPSS

REQUEST NO.: SC-004C Supplemental TELEPHONE: (509) 495-4960

EMAIL: tom.dempsey@avistacorp.com

**SUBJECT: Colstrip** 

### **REQUEST:**

Please provide any and all analyses conducted by Avista, Talen, or other entity (prior to installing SmartBurn) on the expected costs and benefits of installing SmartBurn on Colstrip Units 3 & 4, including:

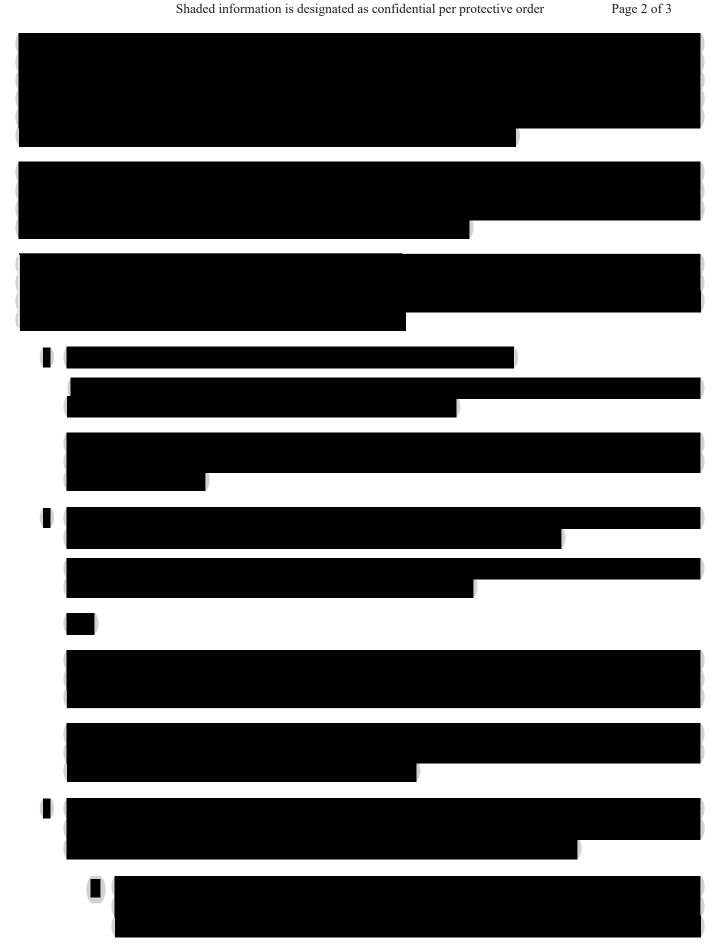
- a. Cost of installation of SmartBurn;
- b. Operating Costs of SmartBurn;
- c. Expected savings on SCR installation cost (from size reduction);
- d. Expected savings in operating costs of SCR due to SmartBurn installation (from reducing ammonia needs); and.
- e. Other expected costs and benefits.

#### **RESPONSE:**

- a. Please see Avista's response to Staff DR 132.
- b. Please see Avista's response to Staff DR 132
- c. Please see Avista's response to Staff DR 133. Although pricing for a reduce sized SCR was not obtained, based on the BACT analysis results (Avista is seeking permission to produce relevant information from this document), an SCR would have had to reduce approximately 50% more NOx if installed in isolation versus a scenario where it was installed in combination with SmartBurn: 0.17-0.04=0.13 lb/MMBtu vs 0.125-0.04 = 0.085 lb/MMBtu.
- d. Based on chemical rates shown in the BACT analysis, Avista estimated that SmartBurn would reduce annual chemical costs in the range of \$500,000-\$800,000 per year depending on specified SmartBurn performance.
- e. Based on catalyst costs in the BACT analysis, Avista estimated that SmartBurn would reduce such catalyst costs by approximately \$500,000 per year depending on the specified SmartBurn performance. Although the estimated combination of chemical cost savings and catalyst savings alone exceeded the expected annualized cost of SmartBurn, additional cost savings would reasonably be expected in annual maintenance, materials, and labor. Other benefits include the actual reduction in NOx emissions and the associated visibility improvements and health benefits. Please refer to the recently prepared Four Factor analysis submitted to MDEQ included as an attachment in pre-filed Thackston testimony, Exh. JRT-10 part 2.

#### SUPPLEMENTAL 04/12/2021

The response provided with SC-DR-004C Supplemental is Confidential per Protective Order in UTC Dockets UE-200900 and UG-200901.



Shaded information is designated as confidential per protective order

