

**Exh. KAF-4  
Dockets UE-170033/UG-170034  
Witness: Kyle A. Frankiewicz**

**BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**PUGET SOUND ENERGY,**

**Respondent.**

**DOCKETS UE-170033 and  
UG-170034 (*Consolidated*)**

**EXHIBIT TO  
TESTIMONY OF**

**Kyle A. Frankiewicz**

**STAFF OF  
WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION**

***PSE's Response to UTC Staff Data Request No. 327 (including Attachment A)***

**June 30, 2017**

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**Dockets UE-170033 and UG-170034  
Puget Sound Energy  
2017 General Rate Case**

**WUTC STAFF DATA REQUEST NO. 327**

**WUTC STAFF DATA REQUEST NO. 327:**

In Exh. No. DEM-3, page 10, E3 determines that the net present value (NPV) of the benefits of joining the EIM is "\$153.7 million to \$174.4 million." The footnote attached to this sentence notes that E3's "calculation assumes 20 years of sub-hourly dispatch and flexibility reserves benefits and annual ongoing cost from 2016 through 2035. PSE's participation in the EIM is estimated to go live in Fall 2016 with benefits and ongoing costs assumed to begin then. Startup costs are assumed to be incurred during 2015 and 2016. [...] Increasing the NPV calculation to include 30 years of benefits and ongoing costs would raise the NPV range to \$190.2 to \$216.3 million."

Please provide the yearly streams of costs and benefits derived by E3 that were used to calculate the NPV, referenced above, of joining the EIM.

**Response:**

Attached as Attachment A to Puget Sound Energy's Response to WUTC Staff Data Request No. 327 is an MS Excel spreadsheet that contains the streams of costs and benefits and the net present value calculation requested above.

# **ATTACHMENT A to PSE's Response to WUTC Staff Data Request No. 327**

