

**Exh. DCG-16
Dockets UE-170485/UG-170486
Witness: David C. Gomez**

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

**AVISTA CORPORATION d/b/a
AVISTA UTILITIES,**

Respondent.

**DOCKETS UE-170485 and
UG-170486 (*Consolidated*)**

**EXHIBIT TO
TESTIMONY OF**

David C. Gomez

**STAFF OF
WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION**

Avista's Response to Staff DR No. 224

October 27, 2017

**AVISTA CORP.
RESPONSE TO REQUEST FOR INFORMATION**

JURISDICTION:	WASHINGTON	DATE PREPARED:	09/18/2017
CASE NO.:	UE-170485 & UG-170486	WITNESS:	Clint Kalich
REQUESTER:	UTC Staff	RESPONDER:	James Gall
TYPE:	Data Request	DEPT:	Energy Resources
REQUEST NO.:	Staff – 224C	TELEPHONE:	(509) 495-2189
		EMAIL:	james.gall@avistacorp.com

REQUEST:

In Mr. Kalich’s supplementary testimony Exhibit CGK-3T at 7:15-16, he states, “Aligning AURORA_{XMP} market price forecasts to forward prices ensures the model values Company resources and load obligations based on current market conditions.”

Referring to the tables below, derived from the AURORA Model Mid-C Price comparison to market forwards provided in Mr. Kalich’s workpapers and testimony in UE-140188, UE-150204 and UE-160228, please provide the AURORA generated monthly Mid-C market prices (both On and Off Peak) before adjustments were made to match model prices to forward prices. (Please note: The “adjustments” referenced in this data request refer to the “market adjustments” discussed in Mr. Kalich’s supplemental testimony in Exh. CGK-3T at 9:14 through 12:10 and not the negative “VAR Cost Mod1” values Avista uses to capture the impacts of negative prices when the Northwest is oversupplied.)

RESPONSE:

The attachments provided with Staff_DR_224C are **Confidential per Protective Order in UTC Dockets UE-170485 and UG-170486.**

Avista does not retain intermediate AURORA studies requested. Avista recreated these files by re-running the model with existing project files and the corresponding version of the model. The information provided is Avista’s best estimate of the prices without the market adjustments discussed in CGK-3T at 9:14 through 12:10. The confidential project file archive and result files are attached as (Staff_DR_224C Confidential Attachments):

UE-160228

Avista_2017_RC_Archive_UE-160228.zip
AVA_2016RC_102016_Compliance_NoMrkAdjustments.xdb

UE-150204

Avista_2016_RC_Archive_UE_150204.zip
AVA_2016RC_101615_Compliance Filing_TestPeriodLoad_DR_225.xdb

UE-140188:

Avista_RC_2015_Archive_UE-140188.zip
DR_225_NoMrkAdjustments.xdb

Due to the size of these reports, they are being provided in electronic format only.

UE-160228 (final update)				
Month/Year	Aurora On-Peak (after adjustment)	Aurora Off-Peak (after adjustment)	Aurora On-Peak (before adjustment)	Aurora Off-Peak (before adjustment)
Jan-17	\$ 32.84	\$ 27.92	31.58	26.31
Feb-17	\$ 31.07	\$ 26.41	30.44	25.59
Mar-17	\$ 25.38	\$ 22.04	26.28	23.50
Apr-17	\$ 21.10	\$ 15.29	20.31	18.65
May-17	\$ 19.51	\$ 11.07	18.43	11.45
Jun-17	\$ 20.75	\$ 10.52	19.39	9.75
Jul-17	\$ 30.79	\$ 19.56	30.50	19.89
Aug-17	\$ 32.65	\$ 23.46	32.63	22.89
Sep-17	\$ 30.87	\$ 25.10	31.80	25.25
Oct-17	\$ 27.70	\$ 24.37	31.53	25.26
Nov-17	\$ 30.89	\$ 24.84	31.00	24.72
Dec-17	\$ 33.02	\$ 26.76	32.70	26.76

UE-150204 (final update)				
Month/Year	Aurora On-Peak (after adjustment)	Aurora Off-Peak (after adjustment)	Aurora On-Peak (before adjustment)	Aurora Off-Peak (before adjustment)
Jan-16	\$ 30.41	\$ 25.26	29.12	24.01
Feb-16	\$ 28.74	\$ 24.52	27.40	23.40
Mar-16	\$ 25.96	\$ 21.76	23.93	21.48
Apr-16	\$ 23.51	\$ 16.22	19.17	18.17
May-16	\$ 19.90	\$ 10.08	13.59	10.91
Jun-16	\$ 20.76	\$ 11.82	16.74	9.99
Jul-16	\$ 30.98	\$ 19.52	26.57	20.57
Aug-16	\$ 32.75	\$ 23.28	29.52	22.35
Sep-16	\$ 29.96	\$ 24.89	29.06	23.38
Oct-16	\$ 29.68	\$ 25.23	29.16	23.70
Nov-16	\$ 29.92	\$ 25.75	29.23	24.07
Dec-16	\$ 31.87	\$ 27.36	30.83	25.80

UE-140188				
Month/Year	Aurora On-Peak (after adjustment)	Aurora Off-Peak (after adjustment)	Aurora On-Peak (before adjustment)	Aurora Off-Peak (before adjustment)
Jan-15	\$ 38.62	\$ 30.94	39.18	27.05
Feb-15	\$ 38.61	\$ 31.64	38.60	27.65
Mar-15	\$ 36.38	\$ 30.52	34.81	25.88
Apr-15	\$ 32.23	\$ 19.50	29.47	18.43
May-15	\$ 27.58	\$ 13.33	26.20	9.14
Jun-15	\$ 23.78	\$ 11.12	28.72	7.46
Jul-15	\$ 43.07	\$ 20.84	41.15	20.01
Aug-15	\$ 43.39	\$ 28.75	41.93	24.88
Sep-15	\$ 43.46	\$ 36.72	40.64	28.25
Oct-15	\$ 39.95	\$ 32.50	40.29	28.90
Nov-15	\$ 38.28	\$ 31.89	38.75	28.02
Dec-15	\$ 41.07	\$ 31.89	41.50	28.15