

K11

(EB-2018-0165) 2020 Rate Application – Oral Hearing Witness Panels

Panel #1	Exhibit 1A and 1C	Exhibit 1B	Exhibit 2A and 4A	Exhibit 2B			Exhibit 3	Exhibit 4B	Exhibit 8 and 9	Undertakings	Exhibit U
Distribution Capital & Maintenance	1A-CCC-1	1B-AMPCO-2	2A-AMPCO-12	2B-AMPCO-17	2B-AMPCO-64	2B-BOMA-83	3-Staff-106	4B-Hann-108	8-Hann-134	JTC1.1	U-AMPCO-111
	1A-CCC-4	1B-AMPCO-3	2A-AMPCO-13	2B-AMPCO-18	2B-AMPCO-65	2B-BOMA-84	3-VECC-30	4B-Hann-109	8-Staff-147	JTC1.2	U-AMPCO-112
	1A-CCC-6	1B-AMPCO-4	2A-AMPCO-14	2B-AMPCO-19	2B-BOMA-100	2B-BOMA-85		4B-Hann-110	8-Staff-148	JTC1.3	U-AMPCO-113
	1C-DRC-6	1B-AMPCO-5	2A-AMPCO-15	2B-AMPCO-20	2B-BOMA-101	2B-BOMA-86		4B-Hann-111	9-SEC-95	JTC1.4	U-AMPCO-114
	1C-EP-16	1B-AMPCO-6	2A-AMPCO-16	2B-AMPCO-21	2B-BOMA-102	2B-BOMA-87		4B-Hann-112	9-SEC-96	JTC1.5	U-AMPCO-115
	1C-EP-19	1B-AMPCO-7	2A-BOMA-47	2B-AMPCO-22	2B-BOMA-103	2B-BOMA-88		4B-Hann-113	9-Staff-153	JTC1.6	U-AMPCO-116
	1C-EP-23	1B-AMPCO-8	2A-BOMA-48	2B-AMPCO-23	2B-BOMA-104	2B-BOMA-89		4B-Hann-114	9-Staff-154	JTC1.7	U-AMPCO-117
	1C-EP-26	1B-AMPCO-9	2A-BOMA-49	2B-AMPCO-24	2B-BOMA-105	2B-BOMA-90		4B-Hann-115	9-Staff-155	JTC1.8	U-AMPCO-118
	1C-Staff-49	1B-AMPCO-10	2A-BOMA-50	2B-AMPCO-25	2B-BOMA-106	2B-BOMA-91		4B-Hann-116	9-Staff-156	JTC1.9	U-AMPCO-119
		1B-BOMA-3	2A-BOMA-51	2B-AMPCO-26	2B-BOMA-107	2B-BOMA-92		4B-Hann-117	9-Staff-162	JTC1.10	U-AMPCO-120
		1B-BOMA-5	2A-EP-27	2B-AMPCO-27	2B-BOMA-108	2B-BOMA-93		4B-Hann-118	9-VECC-60	JTC1.11	U-AMPCO-121
		1B-BOMA-7	2A-EP-28	2B-AMPCO-28	2B-BOMA-109	2B-BOMA-94		4B-Hann-119		JTC1.12	U-AMPCO-122
		1B-BOMA-10	2A-EP-29	2B-AMPCO-29	2B-BOMA-110	2B-BOMA-95		4B-Hann-120		JTC1.13	U-AMPCO-124
		1B-BOMA-26	2A-EP-30	2B-AMPCO-30	2B-BOMA-111	2B-BOMA-96		4B-Hann-121		JTC1.14	U-AMPCO-126
		1B-BOMA-32	2A-EP-31	2B-AMPCO-31	2B-BOMA-112	2B-BOMA-97		4B-Hann-123		JTC1.15	U-AMPCO-127
		1B-BOMA-34	2A-SEC-31	2B-AMPCO-32	2B-BOMA-113	2B-BOMA-98		4B-Hann-124		JTC1.16	U-AMPCO-130
		1B-BOMA-35	2A-Staff-51	2B-AMPCO-33	2B-BOMA-114	2B-BOMA-99		4B-Hann-125		JTC1.17	U-AMPCO-131
		1B-BOMA-37	2A-Staff-52	2B-AMPCO-34	2B-BOMA-115	2B-CCC-30		4B-Hann-126		JTC1.18	U-AMPCO-132
		1B-BOMA-44	2A-Staff-54	2B-AMPCO-35	2B-BOMA-52	2B-CCC-31		4B-Hann-127		JTC1.19	U-AMPCO-133
		1B-BOMA-45	2A-Staff-55	2B-AMPCO-36	2B-BOMA-53	2B-DRC-7		4B-Hann-128		JTC1.20	U-BOMA-125
		1B-BOMA-120	2A-Staff-56	2B-AMPCO-37	2B-BOMA-54	2B-DRC-8		4B-Hann-129		JTC1.21	U-BOMA-126
		1B-CCC-9	2A-Staff-57	2B-AMPCO-38	2B-BOMA-55	2B-DRC-9		4B-Hann-131		JTC2.1	U-BOMA-127
		1B-CCC-10	2A-Staff-58	2B-AMPCO-39	2B-BOMA-56	2B-EP-32		4B-Staff-139		JTC2.2	U-CCC-47
		1B-CCC-11	2A-Staff-59	2B-AMPCO-40	2B-BOMA-57	2B-EP-33		4B-Staff-140		JTC2.3	U-CCC-50
		1B-CCC-12	2A-VECC-8	2B-AMPCO-41	2B-BOMA-58	2B-EP-34		4B-Staff-141		JTC2.4	U-CCC-51
		1B-CCC-15	2A-VECC-9	2B-AMPCO-42	2B-BOMA-59	2B-EP-35		4B-VECC-48		JTC2.5	U-CCC-53
		1B-CCC-23	4A-AMPCO-76	2B-AMPCO-43	2B-BOMA-60	2B-EP-36		4B-VECC-49		JTC2.6	U-EP-64
		1B-CCC-27	4A-AMPCO-77	2B-AMPCO-44	2B-BOMA-61	2B-EP-37		4B-VECC-50		JTC2.7	U-EP-66
		1B-CCC-28	4A-AMPCO-78	2B-AMPCO-45	2B-BOMA-62	2B-EP-38				JTC2.8	U-EP-67
		1B-DRC-2	4A-AMPCO-79	2B-AMPCO-46	2B-BOMA-63	2B-EP-39				JTC2.9	U-SEC-98
		1B-DRC-3	4A-AMPCO-80	2B-AMPCO-47	2B-BOMA-64	2B-EP-40				JTC2.10	U-SEC-100
		1B-DRC-5	4A-AMPCO-81	2B-AMPCO-48	2B-BOMA-65	2B-EP-41				JTC2.11	U-SEC-101
		1B-EP-1	4A-AMPCO-82	2B-AMPCO-49	2B-BOMA-66	2B-EP-42				JTC2.12	U-SEC-104
		1B-EP-4	4A-AMPCO-83	2B-AMPCO-50	2B-BOMA-68	2B-EP-43				JTC2.13	U-SEC-105
		1B-EP-5	4A-AMPCO-88	2B-AMPCO-51	2B-BOMA-69	2B-EP-44				JTC2.14	U-Staff-166.2
		1B-EP-6	4A-AMPCO-90	2B-AMPCO-52	2B-BOMA-71	2B-EP-45				JTC2.15	U-Staff-166.3
		1B-EP-7	4A-AMPCO-91	2B-AMPCO-53	2B-BOMA-72	2B-EP-46				JTC2.16	U-Staff-166.5
		1B-EP-8	4A-AMPCO-92	2B-AMPCO-54	2B-BOMA-73	2B-Hann-44				JTC2.17	U-Staff-166.6
		1B-EP-9	4A-AMPCO-93	2B-AMPCO-55	2B-BOMA-74	2B-Hann-45				JTC2.18	U-Staff-166.7
		1B-Hann-1	4A-AMPCO-95	2B-AMPCO-56	2B-BOMA-75	2B-Hann-46				JTC2.19	U-Staff-166.8
		1B-Hann-2	4A-EP-54	2B-AMPCO-57	2B-BOMA-76	2B-Hann-47				JTC2.20	U-Staff-166.14
		1B-Hann-3	4A-GTAA-1	2B-AMPCO-58	2B-BOMA-77	2B-Hann-48				JTC2.21	U-Staff-166.15
		1B-Hann-4	4A-GTAA-2	2B-AMPCO-59	2B-BOMA-78	2B-Hann-49				JTC2.22	U-Staff-166.16
		1B-Hann-5	4A-GTAA-3	2B-AMPCO-60	2B-BOMA-79	2B-Hann-50				JTC2.23	U-Staff-168
		1B-Hann-6	4A-GTAA-4	2B-AMPCO-61	2B-BOMA-80	2B-Hann-51				JTC2.24	U-Staff-170
		1B-Hann-7	4A-GTAA-5	2B-AMPCO-62	2B-BOMA-81	2B-Hann-52				JTC2.25	U-Staff-171
		1B-Hann-8	4A-GTAA-6	2B-AMPCO-63	2B-BOMA-82	2B-Hann-53				JTC2.26	U-Staff-172

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Panel #2	Exhibit 1A and 1C	Exhibit 1B	Exhibit 2B	Exhibit 3	Exhibit 4A			Exhibit 4B	Exhibit 9	Undertakings	Exhibit U
General Plant, Operations and Administration	1A-AMPCO-1	1B-BOMA-4	2B-BOMA-70	3-AMPCO-66	4A-AMPCO-69	4A-Hann-97	4A-Staff-136	4B-Hann-122	9-Staff-157	JTC3.2	U-AMPCO-123
	1A-CCC-7	1B-BOMA-6	2B-DRC-11	3-AMPCO-67	4A-AMPCO-70	4A-Hann-98	4A-Staff-137	4B-Hann-130		JTC3.4	U-AMPCO-128
	1A-SEC-1	1B-BOMA-9	2B-EP-47	3-AMPCO-68	4A-AMPCO-71	4A-Hann-99	4A-Staff-138	4B-Staff-142		JTC3.5	U-AMPCO-129
	1A-VECC-1	1B-BOMA-13	2B-EP-48	3-CCC-34	4A-AMPCO-72	4A-Hann-100	4A-VECC-31			JTC3.6	U-CCC-49
	1C-EP-22	1B-BOMA-14	2B-EP-49	3-SEC-74	4A-AMPCO-73	4A-Hann-101	4A-VECC-32			JTC3.9	U-CCC-54
		1B-BOMA-15	2B-Hann-59	3-Staff-107	4A-AMPCO-74	4A-Hann-107	4A-VECC-33			JTC3.10	U-CCC-55
		1B-BOMA-16	2B-Hann-62		4A-AMPCO-75	4A-PWU-11	4A-VECC-36			JTC3.11	U-EP-71
		1B-BOMA-17	2B-SEC-42		4A-AMPCO-84	4A-PWU-12	4A-VECC-38			JTC3.12	U-EP-72
		1B-BOMA-18	2B-SEC-69		4A-AMPCO-85	4A-PWU-13	4A-VECC-39			JTC3.13	U-SEC-102
		1B-BOMA-20	2B-SEC-70		4A-AMPCO-86	4A-PWU-14	4A-VECC-41			JTC3.14	U-Staff-166.4
		1B-BOMA-21	2B-SEC-71		4A-AMPCO-87	4A-PWU-15	4A-VECC-42			JTC3.15	U-Staff-166.9
		1B-BOMA-22	2B-SEC-72		4A-AMPCO-88	4A-PWU-16	4A-VECC-43			JTC3.16	U-Staff-166.10
		1B-BOMA-29	2B-Staff-68		4A-AMPCO-89	4A-SEC-75	4A-VECC-44			JTC3.17	U-Staff-166.11
		1B-BOMA-30	2B-Staff-76		4A-AMPCO-90	4A-SEC-76	4A-VECC-45			JTC3.18	U-Staff-166.12
		1B-BOMA-31	2B-Staff-96		4A-AMPCO-94	4A-SEC-81	4A-VECC-46			JTC3.22	U-Staff-166.13
		1B-BOMA-40	2B-Staff-97		4A-AMPCO-96	4A-SEC-82	4A-VECC-47			JTC3.24	U-Staff-178
		1B-BOMA-46	2B-Staff-98		4A-AMPCO-97	4A-SEC-83				JTC3.25	U-Staff-179
		1B-BOMA-116	2B-Staff-99		4A-AMPCO-98	4A-SEC-84				JTC4.8	U-Staff-182
		1B-BOMA-117	2B-Staff-100		4A-AMPCO-99	4A-SEC-85				JTC4.21	U-Staff-183
		1B-CCC-13	2B-VECC-16		4A-AMPCO-100	4A-SEC-86					U-Staff-184
		1B-SEC-3			4A-AMPCO-101	4A-SEC-87					U-Staff-185
					4A-AMPCO-102	4A-SEC-88					U-Staff-186
					4A-AMPCO-103	4A-SEC-89					U-VECC-63
					4A-AMPCO-104	4A-SEC-90					U-VECC-82
					4A-AMPCO-105	4A-SEC-91					U-VECC-83
					4A-AMPCO-106	4A-Staff-108					U-VECC-84
					4A-CCC-35	4A-Staff-111					U-VECC-86
					4A-CCC-37	4A-Staff-112					U-VECC-87
					4A-CCC-38	4A-Staff-113					
					4A-CCC-39	4A-Staff-117					
					4A-CCC-40	4A-Staff-118					
					4A-CCC-41	4A-Staff-119					
					4A-CCC-42	4A-Staff-121					
					4A-CCC-43	4A-Staff-122					
					4A-CCC-44	4A-Staff-123					
					4A-DRC-12	4A-Staff-125					
					4A-EP-50	4A-Staff-126					
					4A-EP-51	4A-Staff-127					
					4A-EP-52	4A-Staff-128					
					4A-EP-53	4A-Staff-129					
					4A-EP-55	4A-Staff-130					
					4A-EP-56	4A-Staff-131					
					4A-EP-57	4A-Staff-132					
					4A-EP-58	4A-Staff-134					
					4A-Hann-96	4A-Staff-135					

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Panel #4	Name	Exhibit 1B	Exhibit 2B	Undertakings
Experts	UMS	1B-CCC-17	2B-SEC-43	JTC4.25
		1B-CCC-18	2B-Staff-69	JTC4.28
		1B-CCC-19	2B-Staff-70	JTC4.29
		1B-EP-3		JTC4.30
		1B-Hann-16		JTC4.31
		1B-Hann-19		
		1B-SEC-15		
		1B-Staff-3		
		1B-Staff-4		
		1B-Staff-6		
		1B-Staff-7		
		1B-Staff-9		
		1B-Staff-10		
		1B-Staff-11		
		1B-Staff-12		

Panel # 5	Name	Exhibit 1B	Exhibit 2B	Undertakings	PSE Reply Report IRs
Experts	PSE	1B-BOMA-24	2B-EP-33	JTC4.32	L3-EP-73
		1B-EP-10		JTC4.33	L3-EP-74
		1B-EP-11			L3-EP-75
		1B-EP-12			L3-Staff-1
		1B-EP-13			L3-Staff-2
		1B-EP-14			L3-Staff-3
		1B-Hann-18			L3-Staff-4
		1B-SEC-20			L3-Staff-5
		1B-SEC-21			L3-Staff-6
		1B-SEC-22			L3-Staff-7
		1B-SEC-23			L3-Staff-8
		1B-SEC-24			
		1B-SEC-25			
		1B-SEC-26			
		1B-SEC-27			
		1B-SEC-28			
		1B-SEC-29			
		1B-SEC-30			
		1B-Staff-26			
		1B-Staff-27			
		1B-Staff-30			
		1B-Staff-31			
		1B-Staff-32			
		1B-Staff-33			
		1B-Staff-34			
		1B-Staff-35			
		1B-Staff-36			
		1B-Staff-37			
		1B-Staff-38			
		1B-Staff-39			
		1B-Staff-40			
		1B-Staff-41			
		1B-Staff-42			
		1B-Staff-43			
		1B-Staff-44			
		1B-Staff-45			
		1B-Staff-46			
		1B-VECC-5			