

Exhibit 1. Zones and Areas in AURORAxmp Model

PPA	Zone Name	Zone Abbreviation	Area Name
IESO	Ontario East	ON_E	NPCC_Ontario_East
			NPCC_Ontario_Ottawa
	Ontario Central	ON_C	NPCC_Ontario_Essa
			NPCC_Ontario_Toronto
	Ontario West	ON_W	NPCC_Ontario_Bruce
			NPCC_Ontario_West
			NPCC_Ontario_Southwest
			NPCC_Ontario_Niagara
Ontario North	ON_N	NPCC_Ontario_Northwest	
		NPCC_Ontario_Northeast	
ISO-NE	Maine	ISONE_ME	ISO-NE_MaineCentral
			ISO-NE_MaineBHE
			ISO-NE_MaineSouth
	ISO-NE Boston	ISONE_BOSTN	ISO-NE_Boston
	Connecticut	ISONE_CT	ISO-NE_ConnCentral
			ISO-NE_ConnNorwalk
			ISO-NE_ConnSW
	Rest-of-System	ISONE_ROS	ISO-NE_RhodeIsland
			ISO-NE_MassSE
			ISO-NE_MassCentral
			ISO-NE_MassWest
ISO-NE_NewHampshire			
ISO-NE_Vermont			
MISO	Minnesota and North Dakota	MISO_MN_ND	MISO_DPC
			MISO_GRE
			MISO_MDU
			MISO_MP
			MISO_NSP
			MISO_OTP
			MISO_SMP
	Wisconsin and Upper Peninsula of Michigan	MISO_WUMS	MISO_ALTE
			MISO_MGE
			MISO_UPPC
			MISO_WEC
			MISO_WPS

PPA	Zone Name	Zone Abbreviation	Area Name
MISO	Iowa	MISO_IA	MISO_ALTW
			MISO_MEC
			MISO_MPW
	Illinois	MISO_IL	MISO_AMIL
			MISO_CWLP
			MISO_SIPC
	Missouri	MISO_MO	MISO_AMMO
			MISO_CWLD
	Indiana	MISO_IN	MISO_BREC
			MISO_DEI
			MISO_HE
			MISO_IPL
			MISO_NIPS
Michigan	MISO_MI	MISO_SIGE	
		MISO_CONS	
Entergy Arkansas	MISO_ARK	MISO_DECO	
MISO South	MISO_SOUTH	MISO_ENTG_ARK	
NYISO	Zones A through E	NY_A-E	MISO_ENTG_South
			NY_A_West
			NY_B_Genesee
			NY_C_Central
			NY_D_North
	NY_E_MohawkValley		
	Zone F Capital	NY_Cap	NY_F_Capital
	Zones GHI	NY_GHI	NY_G_HudsonValley
			NY_H_Millwood
			NY_I_Dunwoodie
Zone J New York City	NY_NY	NY_J_NYC	
Zone K Long Island	NY_LI	NY_K_LongIsland	
PJM	Public Service Electric & Gas	PJM_PSEG	PJM_PublicServiceEG
	Public Service Electric & Gas North	PJM_PSEG_N	PJM_PSEG_N

PPA	Zone Name	Zone Abbreviation	Area Name
PJM	EMAAC	PJM_EMAAC	PJM_AtlanticElec
			PJM_DelmarvaPL
			PJM_RocklandElec
			PJM_JerseyCntrlPL
			PJM_PhiladelphiaElec
	SWMAAC	PJM_SWMAAC	PJM_BaltimoreGE
			PJM_PotomacElec
	MAAC	PJM_MAAC	PJM_PennPL_UGI
			PJM_MetEd
			PJM_PennElec
	ATSI	PJM_ATSI	PJM_ATSI
	Cleveland	PJM_CLEV	PJM_Cleveland
	Rest of RTO	PJM_RTO	PJM_DaytonPL
			PJM_ComEd
PJM_AlleghenyPower			
PJM_DuqLight			
PJM_AEP			
PJM_Dominion_VP			
PJM_DukeOhioKentucky			
		PJM_EKPC	
TVA	Central	TVA_C	SERC_Central_TVA
	Northwest	TVA_NW	SERC_Northwest_TVA
	Northeast	TVA_NE	SERC_Northeast_TVA
	South	TVA_S	SERC_South_TVA