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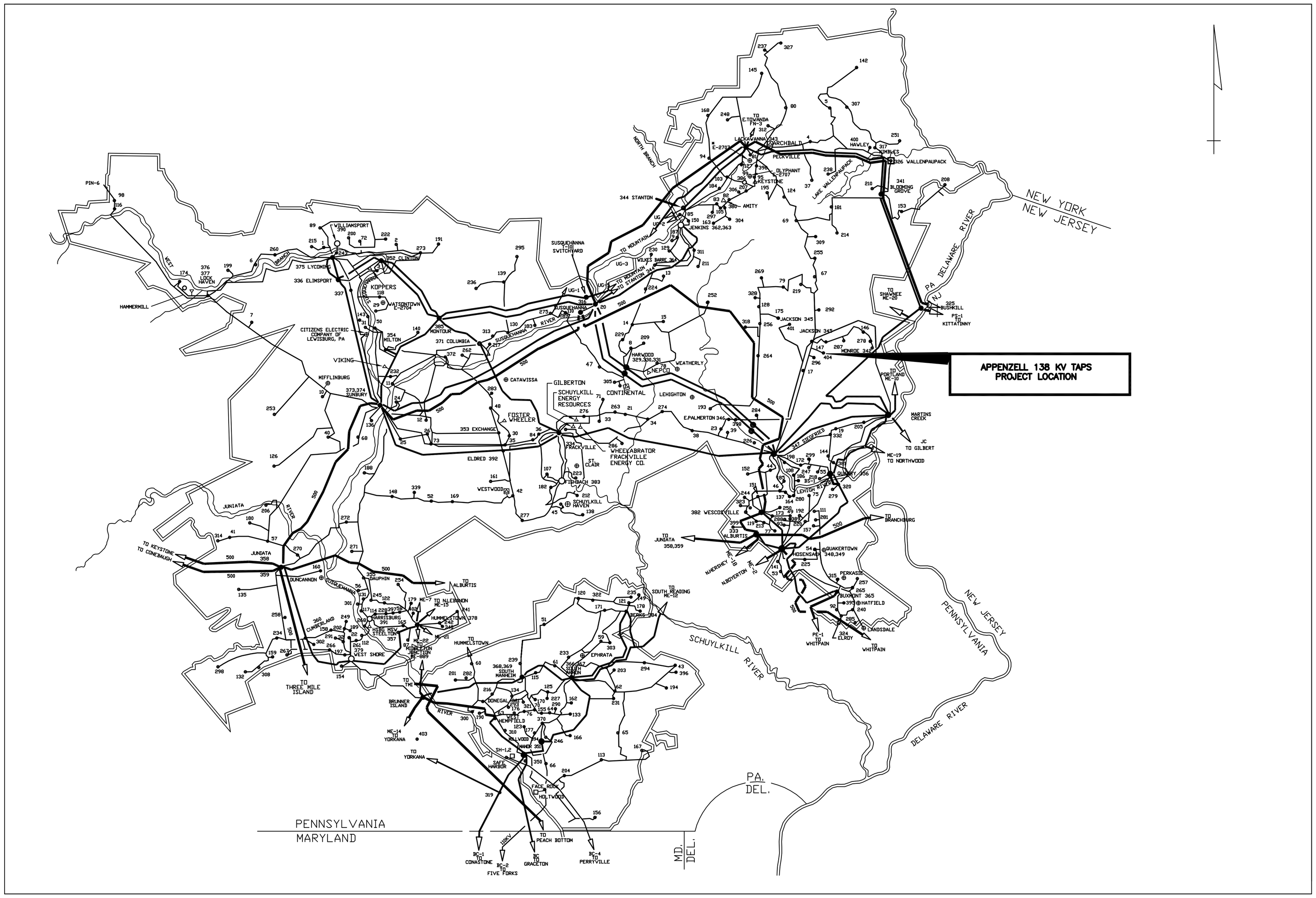
SUBSTATION LISTING

1	WEST WILLIAMSPORT	151	CRACKERSPORT	301	CENTER CITY
2	FAIRFIELD	152	SCHNECKSVILLE	302	NEW KINGSTOWN
3	MONTGOMERY	153	HEMLOCK	303	REAMSTOWN
4	VARDEN	154	MT. ALLEN	304	DUPONT
5	HONESDALE	155	PRINCE	305	HUMBOLDT
6	JERSEY SHORE	156	WAKEFIELD	306	CEDAR AVE.
7	LOGANTON	157	COOPERSBURG	307	INDIAN ORCHARD
8	VALMONT	158	WERTZVILLE	308	NOTTINGHAM
9	RIVER	159	WEST CARLISLE	309	NORTH COOLBAUGH
10	LIMESTONE	160	BENVENUE	310	LETORT
11	NORTHUMBERLAND	161	HEGINS	311	EAST MOUNTAIN
12	REED	162	LEOLA	312	JERMYN
13	WRIGHT	163	YATESVILLE	313	BLOOMSBURG
14	ST.JOHNS	164	CENTRAL ALLENTOWN	314	MIFFLINTOWN
15	FREELAND	165	OBERLIN	315	RIDGE ROAD
16	*	166	STRASBURG	316	SUSQUEHANNA
17	GILBERT	167	ATGLEN		T-10 SW. YD.
18	*	168	BROOKSIDE	317	KIMBLES
19	CHERRY HILL	169	WILLIAMSTOWN	318	CHRISTMANS
20	SUSQUEHANNA 230KV	170	E. PETERSBURG	319	OTTER CREEK
21	TAMANEND	171	WERNERSVILLE	320	STEEL CITY
22	WHITE HILL	172	N. BETHLEHEM	321	McGOVERNVILLE
23	PALMERTON	173	W. ALLENTOWN	322	ROBESONIA
24	HAMILTON	174	FLEMINGTON	323	S.FOGELSVILLE
25	HUNTER	175	MECKESVILLE	324	ELRDY
26	FAIRVIEW	176	DONNERVILLE	325	BUSHKILL
27	*	177	MILLERSVILLE	326	WALLENPAUPACK
28	*	178	SHILLINGTON	327	ELK MOUNTAIN
29	MONTOUR PUMP	179	DUKE	328	JACK FROST
30	MT. CARMEL	180	MCALLISTERVILLE	329	HARWOOD 230/69KV
31	KELLY	181	NEWFOUNDLAND	330	HARWOOD CTG
32	SPORTING HILL	182	MARLIN	331	HARWOOD 69/12KV
33	MAHANOY CITY	183	WEST BERWICK	332	NAZARETH
34	GREENWOOD	184	KEYSER AVENUE	333	ALBURTIS
35	MOWRY	185	MICKLEYS	334	FRACKVILLE
36	ALTAMOUNT	186	EAST ALLENTOWN	335	*
37	HAMLIN	187	PINE RIDGE	336	ELIMSPORT
38	ASHFIELD	188	DALMATIA	337	ALLENWOOD
39	SOUTH SLATINGTON	189	PENNSBORO	338	*
40	SOUTH MIDDLEBURG	190	NORTH COLUMBIA	339	GRATZ
41	WALKER	191	HUGHESVILLE	340	HOCKERSVILLE
42	FRAILEY	192	SOUTH ALLENTOWN	341	BLOOMING GROVE
43	MORGANTOWN	193	WEISSPORT	342	MONROE
44	EGYPT	194	HONEYBROOK	343	LACKAWANNA ##
45	CRESSONA	195	MOSCOW	344	STANTON
46	SOUTH WHITEHALL	196	*	345	JACKSON
47	EAST TOMHICKEN	197	ROSSMOYNE	346	EAST PALMERTON
48	BEAR GAP	198	NORTHAMPTON	347	SIEGFRIED
49	SALISBURY	199	WOOLRICH	348	HOSENSACK 230/69KV
50	SOUTH MILTON	200	FAXON	349	HOSENSACK 500KV
51	HEIDELBERG	201	ELIZABETHTOWN	350	CONESTOGA
52	LYKENS	202	ENOLA	351	MANOR
53	UPPER HANOVER	203	TERRE HILL	352	CLINTON
54	RICHLAND	204	BUCK	353	EXCHANGE
55	MACADA	205	MT. BETHEL	354	MILTON
56	ROCKVILLE	206	RICHFIELD	355	DAUPHIN
57	THOMPSONTOWN	207	SCRANTON	356	QUARRY SUB.
58	PAXTON	208	TWIN LAKES	357	STEELTON
59	COCALICO	209	HARLEIGH	358	JUNIATA 500/230KV
60	EAST ELIZABETHTOWN	210	TAFTON	359	JUNIATA 230/69KV
61	WARWICK	211	BEAR CREEK	360	CUMBERLAND
62	EARL	212	DRWIGSBURG	361	DONEGAL
63	HEMPFIELD	213	EAST TEXAS	362	JENKINS 230/69KV
64	EAST LANCASTER	214	CANDENSIS	363	JENKINS CTG
65	KINZER	215	LINDEN	364	WILKES-BARRE
66	MT. NEBO	216	MT. JOY	365	BUXMONT
67	MT. PISCONO	217	WEST BLOOMSBURG	366	SOUTH AKRON 230/138/69KV
68	PENNS	218	MINSI TRAIL	367	SOUTH AKRON 69/12KV
69	GOULDSBORO	219	LAKE NAOMI	368	SOUTH MANHEIM 69/12KV
70	DILLERVILLE	220	LANARK	369	SOUTH MANHEIM 230/69KV
71	GIRARD MANOR	221	*	370	ENGLESIDE
72	KENMAR	222	MONTOURSVILLE	371	COLUMBIA
73	GOWEN CITY	223	PORT CARBON	372	DANVILLE
74	*	224	BLYTHEBURN	373	SUNBURY
75	ELLIOT HEIGHTS	225	MILFORD	374	HUMMELS WHARF
76	ROHRERSTOWN	226	TREICHLERS	375	LYCOMING
77	MACUNGIE	227	ROSEVILLE	376	LOCK HAVEN CTG
78	EAST HAZLETON	228	RUTHERFORD	377	LOCK HAVEN 69/12KV
79	WAGNERS	229	HARTLAND	378	HUMMELSTOWN
80	EAST CARBONDALE	230	PARRISH	379	WEST SHORE
81	EYNON	231	WEST NEW HOLLAND	380	MONTAGE
82	MINOOKA	232	POINT	381	SOUTH FARMERSVILLE
83	OLD FORGE	233	LINCOLN	382	WESCOSVILLE
84	FOUNTAIN SPRINGS	234	MIDDLETON	383	FISHBACH
85	SULLIVAN TRAIL	235	STATE HILL	384	BERKS
86	*	236	MILLVILLE	385	MONTOUR
87	SWATARA	237	TINKER	386	SUBURBAN YARD
88	*	238	LAKEVILLE	387	*
89	HEPBURN	239	NORTH MANHEIM	388	*
90	*	240	HATFIELD	389	MACK
91	*	241	HERSHEY	390	WILLIAMSPORT
92	FRANCONIA	242	S. HERSHEY	391	HARRISBURG
93	EMMAUS	243	S. WILLIAMSPORT	392	ELDRED
94	MORGAN	244	FOGELSVILLE	393	*
95	TROOP	245	WINDSOR	394	MILLWOOD
96	*	246	W. WILLOW	395	TELFORD
97	*	247	WESTGATE	396	TWIN VALLEY
98	CHAPMAN	248	EDELA	397	DEVONSHIRE
99	SUBURBAN	249	SUMMERDALE	397	JESSUP
100	*	250	DORNEYVILLE	398	BELTZVILLE
101	*	251	BOHEMIA	399	SCHOENECK
102	*	252	WHITE HAVEN	400	HAWLEY
103	PROVIDENCE	253	LAURELTON	401	EFFORT MOUNTAIN
104	*	254	LINGLESTOWN	402	COPPERSTONE
105	AVOCA	255	POCONO FARMS	403	RED FRONT
106	*	256	HICKORY RUN	404	APPENZELL
107	CASS	257	BLOOMING GLEN		
108	CATASAQUA	258	SHERMANSDALE		
109	*	259	*		
110	SUSQUEHANNA 500KV	260	LARRYS CREEK		
111	SEIDERSVILLE	261	SPANGLER MILLS		
112	ROSEMONT	262	E. DANVILLE		
113	QUARRYVILLE	263	DELAND		
114	LAWNTON	264	CARBON		
115	LITITZ	265	SELLERSVILLE		
116	RENOVO	266	MECHANICSBURG		
117	WALNUT	267	CARLISLE		
118	WATSON	268	CEDAR		
119	TREXLERTOWN	269	ARROWHEAD		
120	LAVINO	270	NEWPORT		
121	SPRING	271	HALIFAX		
122	COLONIAL PARK	272	MILLERSUBRG		
123	WEST LANCASTER	273	MUNCY		
124	MADISONVILLE	274	HAUTO		
125	NEFFSVILLE	275	BERWICK		
126	BEAVERTOWN	276	SHENANDOAH		
127	BELMONT	277	PINE GROVE		
128	LAKE HARMONY	278	STROUDSBURG		
129	GEORGETOWN	279	FREEMANSBURG		
130	SCOTT	280	ALLENTOWN		
131	N. HARRISBURG	281	BINGEN		
132	MOUNT ROCK	282	RHEEMS		
133	GREENLAND	283	CLEVELAND		
134	LANDISVILLE	284	LITTLE GAP		
135	GREEN PARK	285	ORVILLA		
136	SELINSGROVE	286	TUSCARORA		
137	SUMNER	287	BARTONSVILLE		
138	AUBURN	288	ALTON PARK		
139	ROHRSBURG	289	SALEM		
140	DERRY	290	NORTH BRIDGEPORT		
141	EAST GREENVILLE	291	HAMPDEN		
142	WEST DAMASCUS	292	CAMELBACK		
143	NEW COLUMBIA	293	SILVER SPRING		
144	FARMERSVILLE	294	BRECKNOCK		
145	GREENFIELD	295	BENTON		
146	NORTH STROUDSBURG	296	MCMICHAELS		
147	TANNERSVILLE	297	HUGHESTOWN		
148	ELIZABETHVILLE	298	NEWVILLE		
149	WYOMISSING	299	POINTE NORTH		
150	EXETER	300	MARIETTA		

* - SUBSTATIONS THAT HAVE BEEN RETIRED.
- SITE OF THE EXISTING 230KV SUBSTATION AND PROPOSED 500KV SUBSTATION



INTERCONNECTIONS

PS PUBLIC SERVICE ELECTRIC AND GAS CO. OF N.J.
ME METROPOLITAN EDISON CO. (FIRST ENERGY)
PE PHILADELPHIA ELECTRIC CO. (PECO ENERGY)
BC BALTIMORE GAS AND ELECTRIC CO.
SH SAFE HARBOR WATER POWER CORPORATION
UP THE UNITED GAS IMPROVEMENT CO. - LUZERNE ELECTRIC DIVISION
PN PENNSYLVANIA ELECTRIC CO. (FIRST ENERGY)
JC JERSEY CENTRAL POWER AND LIGHT CO. (FIRST ENERGY)

COMBUSTION TURBINE
HYDRO ELECTRIC
COMBINATION
FIRM SALES
SUBSTATION /SWITCHING STATION
STEAM ELECTRIC
NON-UTILITY GENERATION
INDEPENDENT POWER PRODUCERS

500KV OPERATION
230KV OPERATION
138KV OPERATION
69KV OPERATION

NO.	DATE	ACCT.		BY	REVIEWED	APPROVED
64	1/1/105	389331	ADDED RED FRONT 115 kV TAP LINE.	RRC		KBK
63	10/30/09	169983	ADDED COPPERSTONE-HARRISBURG #1 & #2 138/69KV LINES.	RRC		DH
62	10/26/09	169021	ADDED EFFORT MOUNTAIN #1 & #2 138 kV TAPS.	RRC		DH
61	10/1/205	161640	JACKSON SUBSTATION 138 kV CONNECTING LINES	RRC		JW

REFERENCE TITLE | NUMBER | REFERENCE TITLE | NUMBER

#6000 | LOCATION CODES | PLAN & PROFILE NO. | TRANSMISSION MAP NO. | C | SORTS

PPL ELECTRIC UTILITIES

ELECTRICAL SYSTEM MAP
APPENZELL #1 & #2 138 KV TAPS

ACCT- 805201
SCALE- NONE
BY- CDW
REVIEWED
APPROVED G. HAKUN III
DATE 7/17/09
PPL ELECTRIC UTILITIES

PPL DRAWING NO. D191830
SHEET NO. 1
REV. 65

D191830_5001.DWG

PPL EU FORM 4877 (7/03)
PC CAD
FOLD
FRACTIONAL 0 1 2 DECIMAL 2 1 0