

List of Electric Substations feeding Distribution System

Utility:	National Grid					Transformer (
Substation Name	Division	Town	#Transmission Feed Ckt(s)	#Sub T Feed Ckt	#Distribution Feeders	#Banks	Rated Voltage
AKWESASNE	Central	Massena	1	2	3	1	115/34.5
						1	115-4.8
PARTRIDGE ST.	East	Albany	0	5	10	1	34.5/13.8
ALBION SUBSTATION NO. 80	West	Albion	0	3	4	1	34.5/4.8
						1	
ALDER CREEK	Central	Boonville	0	2	1	1	43.8/13.8
						3	46/4.8
ALTAMONT	East	Guilderland	2	1	3	1	115/13.8
						3	115/34.5
ANDOVER	West	Andover	2	0	2	1	115/34.5
						1	34.5-4.8
ANTWERP	Central	Amtwerp	0	1	1	1	23-4.8
BALMAT	Central	Fowler	1	2	1	3	23-.277/.480
ARNOLD	Central	Utica	0	1	2	1	43.8/13.8
						1	46/4.16
ASH STREET	Central	Syracuse	3	1	3	2	115/12
						1	115/13.8
						1	115/34.5
						1	
						1	115-13.8
						1	34.5/4.16
						2	
ASHLEY	East	Fort Ann	0	1	1	1	34.5-13.8
ATTICA STATION	West	Attica	0	4	3	1	34.5/4.8
AUSABLE FORKS	Central	Black Brook	0	1	1	1	46/4.8
AVENUE A	East	Albany	0	2	6	2	34.5/4.16
AVON	West	Avon	0	1	3	1	34.5-4.8
STATION 150	West	Busti	2	0	3	1	115-13.8

BALLINA	Central	Cazenovia	1	0	1	1	34.5-13.8
BALLSTON	East	Ballston Spa	2	5	4	1	115/13.8
						1	115/34.5/13.8
BARKER STATION	West	Somerset	0	2	3	1	34.5-4.8
BARTELL	Central	Cicero	2	1	3	1	115/13.8
BASOM STATION	West	Alabama	0	2	2	2	34.5-4.8
BATAVIA STATION	West	Batavia	4	3	4	2	115/13.8
						2	115/34.5
BATTENKILL	East	Easton	3	2	4	1	115/34.5/13.2
						1	115-13.8
BELMONT	Central	Clay	2	0	7	1	115/13.8
						1	116/13.8
STATION 159	West	Ellery	0	2	3	1	34.5/4.8
BENNETT RD.	West	Dunkirk	2	0	6	1	115/13.8
						1	
BERRY ROAD	West	Pomfret	2	0	3	1	115/13.8
BETHLEHEM	East	Bethlehem	2	5	3	1	115/13.8
						1	115/34.4/13.8
						1	115/34.5/4.8
Birch Avenue	East	Lake George	0	2	2	1	34.5/13.8
Bloomington Mobile Sub	Central	St. Armand	4	0	1	1	46/4.8
BLUE STORES	East	Livingston	2	0	3	1	115/13.8
BOLTON	East	Bolton	0	1	3	1	34.4/13.8
BOMBAY E.S.	Central	Bombay	0	2	1	1	34.5/4.8
BOYNTONVILLE	East	Pittstown	0	1	1	1	115-13.8
BRADY	Central	Madrid	2	0	1	1	115/13.8
BRASHER	Central	Brasher	0	2	2	3	34.5/4.8
BREMEN	Central	New Bremen	2	0	2	1	110/13.8
BREWERTON	Central	Cicero	0	1	2	1	34.5/4.8
BRIDGE ST.	Central	Dewitt	2	0	4	1	115/13.8
BRIDGEPORT	Central	Sullivan	1	0	2	1	113/13.8
BRIER HILL	Central	Morristown	0	1	1	1	23/4.8
BRIGHTON AVE	Central	Syracuse	4	1	5	6	34.5/4.16
BROCKPORT	West	Sweden	2	3	5	1	115/13.8

						1	
						1	115/34.5
						1	
BROOK ROAD	East	Saratoga Springs	2	3	8	2	115/13.8
						1	115-34.5
BRUNSWICK	East	Brunswick	0	1	2	1	34.4/13.8
BUCKLEYS	East	Greenport	1	0	1	1	113/13.8
BUCKLEY	Central	Clay	0	1	4	1	34.5/4.8
BURDECK ST	East	Rotterdam	2	0	4	1	115/13.8
BURGOYNE	East	Kingsbury	2	0	3	1	115-13.8
BUSTI	West	Busti	0	2	1	1	34.5/4.8
BUTLER	East	Moreau	2	0	2	1	115/13.8
BUTTERNUT	Central	Dewitt	2	0	3	1	113/13.8
BUTTS RD	West	Albion	0	2	2	1	34.4-13.8
						1	34.5-13.8
BYRON STATION	West	Byron	1	0	2	2	34.5-4.8
CAMILLUS	Central	Camillus	0	1	2	3	34.5/4.16
CARDIFF	Central	Lafayette	0	1	1	1	34.5/4.16
						2	34.5-4.16
CAROGA	East	Caroga	0	1	1	1	23/4.8
CARTHAGE	Central	Wilna	1	5	3	3	23-4.8
CASSADAGA	West	Stockton	0	3	2	1	34.5-4.8
CASTLETON	East	Schodack	0	1	2	1	34.5/4.8
CATTARAUGUS	West	New Albion	0	2	2	1	34.5-4.8
CAVANAUGH	Central	Marcy	1	0	4	1	115/13.8
CAZENOVIA	Central	Cazenovia	0	1	3	1	34.5/4.8
						2	34.5-4.8
CEDAR	East	Cedar	2	0	3	1	115-13.8
CENTER ST.	East	Center St.	2	0	3	1	115-13.8
CENTRAL SQUARE	Central	Central Square	0	2	1	1	34.5-4.8
CHADWICKS	Central	Chadwicks	1	0	4	1	115/13.8
CHARLEY LAKE	East	Charley Lake	0	1	1	1	23-2.4
CHASM FALLS	Central	Malone	0	1	1	1	34.5-13.8
CHAUTAUQUA	West	Chautauqua	0	2	2	1	34.4-.5

CHESTERTOWN	East	Chester	0	3	2	1	34.5/13.8
CHITTENANGO	Central	Sullivan	0	1	2	1	34.4/4.8
CHRISLER AVE	East	Schenectady	0	1	3	2	34.5-4.16
CHURCH ST	East	Amsterdam	2	0	7	1	115/13.8
						1	
CLEVELAND	Central	Constantia	0	1	1	3	34.5/4.8
CLINTON ERCC	East	Canajoharie	2	0	2	1	115-13.8
CLINTON CRCC	Central	Kirkland	0	2	4	1	46/13.8
CLOVERBANK	West	Hamburg	2	0	4	2	115/13.8
Clymer	West	Clymer	0	2	2	1	34.5-4.8
COBLESKILL	East	Cobleskill	2	0	3	1	69/4.8
						3	69-4.8
COFFEEN	Central	Watertown	4	2	6	1	115/13.8
						1	
						2	115/23
COLLINS	West	Collins	0	2	2	1	34.5/4.8
COLLINSVILLE	Central	West Turin	0	1	3	1	23/4.8
COLOSSE	Central	Mexico	0	1	1	1	34.5-13.8
COLVIN AVE	East	Albany	0	3	3	1	34.5/4.16
COMMERCE AVE	East	Albany	0	1	2	1	34.5/13.8/7.9
COMSTOCK	East	Fort Ann	1	0	1	1	115/4.8
CONESUS LAKE	West	Conesus	0	1	3	1	34.5-4.8
CONKLING	Central	Utica	0	1	4	1	43.8/4.36
CONSTANTIA	Central	Constantia	0	1	1	1	34.5/4.16
CORFU STATION	West	Pembroke	0	2	2	2	34.5-4.8
CORINTH	East	Corinth	0	1	2	1	34.5/13.8
CORLISS PARK	East	Troy	0	1	3	1	34.5/4.16
CORTLAND	Central	Cortlandville	2	0	4	2	115/34.5
						3	34.5/4.8
CROWN POINT	East	Crown Point	1	0	1	1	115-13.8
CUBA LAKE	West	Cuba	0	1	2	1	34.5-4.8
CUBA	West	Cuba	0	2	3	1	34.4-5.04
CURRY RD	East	Rotterdam	2	0	6	1	115/13.8
						1	115-13.8

CUYLER	Central	Cuyler	0	1	1	6	34.5-4.16
DARIEN STATION	West	Darien	0	2	2	1	34.5-4.8
DAVID	Central	Ogdensburg	0	1	3	3	23/4.8
DEBALSO SUBSTATION	Central	New Hartford	1	0	3	1	115/13.8
DEERFIELD	Central	Deerfield	3	4	3	1	115/13.8
						1	115-46
DEKALB E.S.	Central	Dekalb	2	0	2	1	115/13.8
DELAMETER RD	West	Evans	0	2	4	1	115/13.8
DELANSON	East	Duanesburg	1	0	2	1	69/13.8
DELAWARE AVE	East	Albany	0	2	4	1	34.4/13.8
						1	34.5/4.16
DELEVAN	West	Yorkshire	0	1	2	2	34.5-4.8
DELMAR	East	Bethlehem	0	2	6	1	34.4/4.8
						1	34.5/4.8
DELPHI	Central	Cazenovia	2	0	2	1	113/13.8
Depot Substation	East	Guilderland	0	1	2	1	34.5-13.8
DEXTER	Central	Hounsfield	0	1	1	1	23/4.8
						2	23-4.8
DORWIN	Central	Onondaga	0	4	2	1	34.5/4.16
DUGAN RD.	West	Olean	2	0	6	1	115/13.8
						1	115-13.8
DUGUID	Central	Manlius	1	0	5	1	115/13.8
E.J. WEST HYDRO	East	Hadley	1	0	1	1	115-13.8
EAGLE BA	Central	Inlet	1	0	2	3	46/4.8
EAGLE HARBOR	West	Albion	0	2	2	1	34.5-4.8
E BATAVIA STATION	West	Batavia	2	0	4	2	115/13.8
E. DUNKIRK	West	Dunkirk	2	0	5	1	113/13.8
						1	113-13.8
EAST FULTON SUBSTATION	Central	Volney	0	1	2	1	34.5/4.8
EAST GOLAH	West	Rush	2	0	6	1	115/13.8
						1	115-13.8
EAST MOLLOY ROAD	Central	Dewitt	2	0	4	1	115-13.8
EAST NORFOLK	Central	Norfolk	0	1	2	3	23/4.8
EAST OTTO	West	East Otto	0	2	2	1	34.5-4.8

EAST PULASKI	Central	Richland	1	0	2	1	115/13.8
EAST SCHODACK	East	Schodack	0	1	1	1	34.5-4.8
EAST SPRINGFIELD	East	Springfield	2	0	1	1	115-13.8
EAST SYRACUSE	Central	Dewitt	0	1	4	1	34.5/4.16
EAST WATERTOWN	Central	Watertown	2	0	4	1	115/13.8
EAST WORCESTER	East	Worcester	0	1	1	1	34.5-13.8-4.8
EDEN CENTER	West	Eden	0	1	2	1	34.5/4.8
						1	345/120/13.8
						1	345/230/13.2
EDWARDS	Central	Edwards	0	1	1	1	34.5/4.8
ELBA STATION	West	Elba	0	2	1	2	34.5-4.8
ELLCOTT	West	Ellicott	0	2	1	1	34.5/4.8
ELM STREET	Central	Malone	0	2	2	2	34.4/4.8
						1	34.5/4.8
ELNORA	East	Clifton Park	1	0	4	1	115/13.8
ELSMERE	East	Bethlehem	0	1	2	1	34.5/4.8
EMMET	East	Schenectady	0	3	6	1	34.5/4.16
						1	
EPHRATAH	East	Ephratah	2	1	2	1	69/23/13.2
						3	69-4.8
EUCLID	Central	Clay	2	0	6	2	115/13.8
EVERETT RD	East	Colonie	1	0	4	1	115/13.8
FABIUS	Central	Fabius	0	2	1	1	34.4/4.8
						2	34.5/4.8
FAIRDALE	Central	Hannibal	0	1	2	1	34.5/4.8
FARMERSVILLE	West	Farmersville	0	1	2	3	34.5-4.8
FARNAN RD Mini	East	Moreau	0	1	1	1	34.5-13.8
FAYETTE STREET	Central	Syracuse	0	4	13	2	34.5/4.16
FINE	Central	Fine	0	1	1	1	34.5/4.8
FINDLEY LAKE	West	Mina	0	1	2	1	34.5/4.8
FIREHOUSE	East	Halfmoon	2	0	2	1	115/13.8
FISHER	Central	Cortlandville	0	1	2	1	34.5/13.8
FLORIDA	East	Florida	1	0	2	1	69/13.2
FLY RD.	Central	Dewitt	2	0	4	1	115/13.8

FT. COVINGTON	Central	Fort Covington	0	1	1	1	34.4/13.8
FORT GAGE	East	Lake George	0	2	1	1	34.4/13.8
FORTS FERRY	East	Colonie	2	0	4	1	115-13.8
FRANKFORT	Central	Frankfort	0	1	2	1	46/4.16
FRANKLIN	Central	Franklin	0	2	0	1	46/4.8
						1	46-4.8
FRANKLINVILLE	West	Franklinville	0	2	3	1	34.4/5.04
STATION 56	West	French Creek	0	1	1	1	34.5-13.8
FRENCH MOUNTAIN	East	Queensbury	0	1	1	1	34.5-13.8
FREWSBURG	West	Carroll	0	2	3	1	34.5-4.8
FRONT ST	East	Schenectady	2	0	10	1	115/13.8
						1	
GABRIELS	Central	Brighton	1	2	1	1	46-4.8
GALEVILLE	Central	Salina	0	1	3	1	34.5/4.16
GASPORT	West	Royalton	0	2	2	1	34.5-5.04
GENESEE ST.	East	Albany	0	2	6	2	34.5/4.16
GENESEO	West	Geneseo	0	2	2	1	34.5-13.8
GILBERT MILLS	Central	Schroepfel	2	0	2	1	115/13.8
GILMANTOWN	East	Lake Pleasant	0	1	2	1	23-13.8
GILPIN BAY	Central	Santa Clara	1	1	1	1	46/4.8
GLENS FALLS	East	Glens Falls	0	6	4	1	34.5/4.16
						1	34.5-4.8
GLENWOOD	Central	Syracuse	0	1	3	1	34.5/4.16
GLOVERSVILLE	East	Gloversville	0	2	8	1	69/13.8
						1	69/4.16/13.2
GRANBY CENTER	Central	Granby	0	1	1	1	34.5/13.8
GRAND ST.	East	Cobleskill	1	0	2	1	69-13.8
GREENBUSH	East	East Greenbush	7	5	7	1	113/13.8
						2	115/34.5/13.8
						1	115-13.8
GREENHURST	West	Ellery	0	2	2	1	34.5-4.8
GROOMS	East	Clifton Park	2	0	6	2	115/13.8
GROVELAND	West	Groveland	0	1	1	1	34.5-4.8
HAGUE	East	Ticonderoga	2	0	4	1	115/13.8

HAMMOND	Central	Hammond	0	1	2	1	23/4.8
HANCOCK	Central	Salina	0	2	3	2	34.5-4.16
						1	
HARRIS ROAD	Central	Onondaga	1	4	5	1	115/13.8
						1	115/34.5
HARTFIELD	West	Chautauqua	1	0	2	1	113/13.8
						1	115/34.5
HEMLOCK	West	Livonia	0	1	1	1	34.5-13.8
HEMSTREET	East	Schaghticoke	1	0	2	1	115/13.8
HENRY STREET	East	Glens Falls	0	2	6	2	34.5/4.16
HIGLEY	Central	Colton	1	0	2	1	115/13.8
HILL ST.	East	Gloversville	0	2	6	1	69/4.16
HINSDALE	Central	Camillus	0	1	4	1	34.5-4.16
HOAG	East	Nassau	0	2	3	3	34.5/4.8
HOMER	Central	Homer	0	1	3	1	34.5/4.8
						2	
HOOSICK	East	Hoosick	1	2	2	1	115/13.8
						3	115/34.5/13.8
HOPKINS	Central	Salina	2	0	8	1	115/13.8
						1	115-13.8
HUDSON FALLS	East	Fort Edward	0	3	1	1	34.5/13.8
HUDSON	East	Greenport	2	1	6	1	115/13.8
						1	115/34.5/4.16
						1	115-13.8-7.97
INDIAN LAKE	East	Indian Lake	0	1	2	3	34.5-4.8
INDIAN RIVER	Central	Leray	1	1	3	1	115/13.8
						1	115/23
INGHAMS	East	Manheim	6	3	1	1	115
						1	115/13.8
						1	115/46
INMAN RD	East	Niskayuna	2	0	8	1	115/13.8
						1	
JEWETT	Central	Skaneateles	0	2	3	1	34.5-13.8
JOHNSON	East	Colonie	2	0	6	1	113/13.8

						1	115/13.8
JOHNSTOWN	East	Johnstown	0	2	7	1	69/4.16
						1	69/4.16/4.8
JUNIPER	East	Bethlehem	0	1	1	1	34.5-13.8
KARNER	East	Colonie	0	2	6	2	34.5/4.16
KNAPP RD	West	Newstead	2	0	3	1	115/13.8
KNIGHTS CREEK	West	Scio	0	2	2	1	34.5-4.8
LABRADOR SUBSTATION	Central	Truxton	1	1	1	1	115/34.5
						1	34.5/13.8
Lake Colby Substation	Central	St. Armand	2	2	2	1	115/13.8
						1	115/46
						1	
						1	115-15
LAKE RD	Central	Scriba	1	0	2	1	115/13.8
LAKEVIEW	West	Hamburg	2	0	4	1	115-13.8
LAKEVILLE SUBSTATION NO. 40	West	Geneseo	0	5	6	1	34.5-4.8
LANGFORD	West	North Collins	0	2	1	1	34.4-13.8-5.04
LANSINGBURGH	East	Troy	0	2	4	2	13.2-4.16-4.8
						1	34.5-13.8
LATHAM	East	Colonie	0	2	2	1	34.5/13.8
LAWRENCE AVE	Central	Potsdam	2	0	6	1	115-13.8
						1	
LEHIGH	Central	Camden	2	0	4	1	115/13.8
LENOX	Central	Oneida	0	0	4	1	13.2/4.16
LERAY	Central	Rutland	0	1	1	1	23/4.8
LEVANT	West	Poland	0	1	1	1	34.5-4.8
LEVITT	Central	Rome	1	0	6	1	115/4.8
LIBERTY	East	Troy	0	5	13	1	34.5/13.8
						1	
						1	34.5/4.16
						1	
LIGHTHOUSE HILL	Central	Orwell	5	2	5	2	115/34.5
LIMA	West	Lima	0	2	2	1	34.5-4.8
LINDEN STATION	West	Bethany	0	2	1	1	34.5-4.8

LISBON E.S.	Central	Lisbon	0	1	1	1	23/4.8
Little River Substation	Central	Canton	2	1	2	1	115/23
						1	115-13.8
						1	23-4.8
LIVINGSTON COUNTY CORRECTION	West	Groveland	0	2	1	3	34.5-13.8
LIVONIA	West	Livonia	0	1	3	1	34.5-4.8
LOON LAKE	Central	Franklin	0	1	1	2	46-4.8
LORDS HILL	Central	Onondaga	0	1	2	1	34.5/4.8
LORINGS	Central	Cortlandville	0	1	1	1	34.5/13.8
LOWVILLE	Central	Lowville	1	1	4	1	115/13.8
						1	115/24
LYME E.S.	Central	Lyme	1	0	3	1	115/13.8
LYNDONVILLE	West	Yates	0	2	3	1	34.5-4.8
LYNN	East	Rotterdam	0	2	3	1	34.4/13.8/7.9
LYSANDER	Central	Lysander	2	0	5	1	115-13.8
MACHIAS	West	Machias	2	2	3	2	115/34.5
						1	34.5/4.8
MADISON	Central	Rome	2	0	4	3	115/4.8
MALONE	Central	Malone	3	3	3	1	115/13.8
						1	115/34.5
						1	
MALTA	East	Malta	2	0	3	1	115/13.8
MAPLEHURST STA. NO.4	West	Hinsdale	0	2	2	1	34.5/4.8
MAPLEWOOD	East	Colonie	3	6	4	1	115/13.8
						1	115-34.4-13.8
MARKET HILL	East	Amsterdam	0	2	6	2	69/4.16
MAYFIELD	East	Mayfield	0	3	1	1	69/13.8
MC ADOO	Central	Canton	2	0	3	1	115/13.8
MC CLELLAN	East	Schenectady	0	2	2	1	34.5-13.8
MC CREA ST.	East	Ft Edward	0	1	1	1	34.5/4.8
MCGRAW	Central	Cortland	0	1	1	3	34.5/4.8
McKOWNVILLE	East	Guilderland	2	0	7	1	113/13.8
						1	115-13.8
MENANDS	East	Colonie	5	7	11	1	115/13.8

						1	
						1	115/34.5/4.8
						1	115/34.5/8.66
						1	115/4.16
						1	13.2/4.16
MERRILLVILLE	Central	Franklin	0	1	1	1	46/2.4
MEXICO	Central	Mexico	0	1	2	1	34.5/4.8
MIDDLEBURG	East	Middleburgh	1	0	2	1	69/13.8
MIDDLEPORT	West	Royalton	0	2	3	1	34.5-4.8
MIDDLEVILLE, ie. HANSON (MIDDLE)	Central	Fairfield	0	1	1	1	46/4.16
MIDLER	Central	Dewitt	0	1	4	1	34.5/4.16
MILL ST.	Central	Watertown	0	2	13	3	23/4.8
MILLER ST.	Central	Cortland	0	1	2	3	34.5/4.8
MILTON	Central	Camillus	2	0	4	1	113/13.8
MINOA	Central	Manlius	0	2	2	1	34.5/4.8
						3	115-34.5-13.2
MOIRA	Central	Moir	0	1	2	1	34.5/4.8
MORRISTOWN	Central	Morristown	0	1	2	1	23/5.04
MUMFORD	West	Wheatland	2	0	3	1	115-13.8
NASSAU	East	Nassau	0	2	3	1	34.5/4.8
NEW HAVEN	Central	New Haven	2	0	2	1	115/13.8
NEW KRUMKILL	East	Albany	2	0	4	1	113/13.8
						1	13.2/4.16
NEWARK ST	East	Cohoes	0	2	4	2	34.5-13.8
NEWTON FALLS	Central	Clifton	0	1	1	1	34.5/2.4
						2	34.5-2.4
NEWTONVILLE	East	Colonie	0	2	6	1	34.5/13.8
						1	34.5/4.16
NICHOLVILLE	Central	Lawrence	1	2	2	1	115/34.5
						1	34.5/4.8
						2	34.5-4.8
NILES	Central	Skaneateles	0	1	1	1	34.4/13.8
						1	
NORTH ASHFORD	West	Ashford	0	2	1	1	34.5-4.8

N. BANGOR	Central	Bangor	0	1	1	1	34.5/4.8
NORTH BOMBAY	Central	Bombay	0	1	2	1	34.5-13.8
NORTH CARTHAGE	Central	Wilna	3	2	3	1	115/13.8
						1	115-23
N. CHAUTAUQUA	West	Chautauqua	0	2	1	1	34.5-4.8
NORTH COLLINS	West	Brant	0	2	2	1	34.5-4.8
NORTH CREEK	East	Johnsburg	1	2	2	1	115/13.8/30
						1	115/34.5
N. EDEN	West	Eden	0	1	1	1	34.5-13.8
NORTH GOVERNEUR	Central	Gouverneur	2	0	3	1	115/13.8/7.9
LAKEVILLE	West	Geneseo	0	0	0	1	115/34.5
N. LAWRENCE	Central	Lawrence	0	1	1	1	34.5/4.8
N LEROY STATION	West	Leroy	2	0	3	1	115-13.8
N. OLEAN	West	Olean	0	2	2	3	34.5-4.8
NORTH TROY	East	Brunswick	6	5	4	1	115/13.8
						1	115/34.5/13.8
						1	115-34.5
NORTHVILLE	East	Northampton	0	2	2	1	69/13.8
						1	69/23
NORWOOD	Central	Potsdam	0	1	2	3	23-4.8
OAK HILL	West	Ellicott	2	0	1	1	34.5-4.8
OAKFIELD STATION	West	Oakfield	1	4	3	1	115/34.5
						1	34.5-4.8
232 OAKWOOD	West	Pendleton	2	0	6	2	115-13.8
OATHOUT	East	Colonie	0	1	2	1	34.4/13.8/7.9
OGDENBROOK	East	Queensbury	2	0	4	1	115/13.8/7.9
OGDENSBURG	Central	Ogdensburg	2	0	4	1	23/5
						1	23-0.48
						1	23-5
OLD FORGE	Central	Webb	0	2	4	3	46/4.8
						1	
ONEIDA	Central	Verona	7	0	7	1	115/13.8
						1	
ORANGEVILLE STATION	West	Orangeville	0	1	1	1	34.5-4.8-34.5

OTTEN	East	Dresden	1	0	1	1	115/4.8
PALOMA	Central	Oswego	2	0	4	1	115/13.8
PANAMA	West	Harmony	0	2	1	1	34.5-4.8
PARISH	Central	Parish	0	1	1	1	34.5/4.8
PARISHVILLE	Central	Parishville	1	0	1	2	4.8-2.4
PARK STREET	Central	Syracuse	0	1	4	1	34.5/4.16
PATROON	East	Albany	2	5	4	1	115/34.5/13.8
						1	115-13.8
PAUL SMITHS	Central	Brighton	0	1	3	1	46/4.8
PEAT STREET	Central	Syracuse	2	0	4	1	115/13.8
PEBBLE HILL	Central	Dewitt	1	3	4	1	115/13.8/7.97
						1	115/34.5
PERRYVILLE	Central	Sullivan	0	1	1	1	34.5/4.16
PETERBORO	Central	Lennox	1	0	8	2	115/13.8
PETROLIA	West	Scio	0	1	1	3	34.5-4.8
PHOENIX	Central	Schroeppe	0	1	3	1	34.5/4.8
PIERCEFIELD	Central	Piercefield	0	1	1	3	46-4.8
PINE GROVE	Central	Cicero	2	0	7	1	115/13.8
						1	
PINEBUSH	East	Guilford	2	0	6	1	115/13.8
						1	
Pleasant	Central	Utica	0	2	6	2	43.8/4.36
POLAND SUBSTATION	Central	Russia	0	1	2	1	46/13.8
POLAND	West	Poland	0	1	2	1	34.5-4.8
POMPEY	Central	Pompey	0	1	2	3	34.5/4.16
PORT HENRY	East	Moriah	1	0	2	1	113/13.8
PORT LEYDEN	Central	Leyden	0	1	1	3	23-4.8
PORTAGE ST.	Central	Watertown	0	1	3	1	23-4.8
POTTERSVILLE	East	Chester	0	1	1	1	34.4-7.5-8.4
PRICE CORNERS (DIST.) SUB	West	Randolph	0	3	1	3	34.5-13.8
PROSPECT HILL	East	Waterford	1	0	2	1	115/13.8
QUAIL HOLLOW	East	Bethlehem	0	1	1	1	34.5/4.8
QUEENSBURY	East	Queensbury	3	4	8	1	115/13.8
						1	115-13.8

						1	
ROYALTON	West	Royalton	0	1	2	2	34.5-4.8
RUSSELL RD	East	Albany	0	1	1	1	34.5/13.2
RUTH ROAD	East	Colonie	2	0	5	1	115/13.8
ST JOHNSVILLE	East	Saint Johnsville	2	0	2	1	115/13.8/4.8
						1	115-13.8-4.8
ST. REGIS	Central	Bombay	0	1	2	1	34.5-4.8
SALISBURY ES	Central	Manheim	2	0	4	1	115/13.8
						1	
SAND CREEK ROAD	East	Colonie	2	0	3	1	115-13.8
SAND ROAD & SAND ROAD#2	Central	Salina	0	2	4	1	34.5/4.16
SANDY CREEK 66	Central	Sandy Creek	0	1	2	1	34.5/13.8
SARATOGA	East	Saratoga Springs	0	2	4	1	34.5/13.8
						1	34.5/4.16
						3	230/23
SCHENEVUS	East	Maryland	0	1	1	3	23/4.8
SCHODACK	East	Schodack	2	0	3	1	115-13.8
SCHOHARIE	East	Schoharie	2	0	2	1	69/13.8
SCHROON LAKE	East	Schroon	0	1	1	1	34.4/13.8
SCHUYLER	Central	Frankfort	2	5	4	1	115/13.8
						2	115/46
SCHUYLERVILLE	East	Saratoga	0	2	2	1	34.5/4.8
SCOFIELD	East	Lake Luzerne	2	0	2	1	115/13.8
SCOTIA	East	Glenville	0	2	6	1	34.5/4.16
						1	
SELKIRK SUB	East	Bethlehem	0	1	2	1	34.4/13.8
SEMINOLE	East	Albany	0	1	3	1	34.5/4.16
SENTINEL HEIGHTS	Central	Onondaga	0	1	1	2	34.5/4.16
						1	34.5-4.16
SEVENTH AVE. SUB.	East	Troy	0	2	4	1	34.5/4.16
SEVENTH NORTH	Central	Clay	0	1	3	1	34.5/4.8
SEWALL'S ISLAND	Central	Watertown	0	2	0	1	23/4.8
SHARON	East	Sharon	0	2	2	1	69/13.8
SHELBY	West	Shelby	2	0	6	1	115/13.8

						1	115-13.8
SHEPPARD STATION	West	Pavilion	0	3	2	1	34.5-13.8
						1	
SHERMAN	Central	Trenton	0	1	2	1	46/13.8
SHORE RD	East	Ballston	0	2	3	1	34.4/4.8
SILVER LAKE	Central	Black Brook	0	1	1	1	46-2.4
SINCLAIRVILLE	West	Gerry	0	1	1	1	34.5-4.8
SMITH BRIDGE	East	Wilton	2	0	3	1	115/13.8
SORRELL HILL	Central	Van Buren	1	0	4	1	115/13.8
S. PHILADELPHIA	Central	Philadelphia	0	3	1	2	23/4.8
						1	
SOUTH RANDOLPH	West	Randolph	0	1	1	1	34.5-4.8
SOUTH ST	East	Saratoga Springs	0	2	3	1	34.4/13.8
SO. WASHINGTON ST.	Central	Herkimer	0	1	1	1	46-13.8
SOUTH WELLSVILLE	West	Wellsville	0	3	3	1	34.5-4.8
SOUTHLAND	West	Somerset	0	1	1	1	34.5-4.8
SOUTHWOOD	Central	Dewitt	1	0	4	1	110/13.8
WEST PORTLAND	West	Portland	0	1	1	3	34.5-0.48
SPRINGFIELD	Central	Dewitt	0	2	5	1	34.5/4.16
						1	
STAR LAKE	Central	Clifton	0	1	2	1	34.5/4.8
STARR RD.	Central	Cortlandville	1	0	4	1	115/13.8
STATE STREET	Central	Canton	0	1	3	2	23-4.8
21 MAIN	West	Amherst	0	4	12	3	23-4.16
						1	23-4.36
22 KENMORE	West	Buffalo	0	8	12	4	23/4.16
23 KENMORE	West	Buffalo	0	4	12	4	22.9-4.36
24 KENMORE	West	Buffalo	0	4	11	4	22.9/4.36
25 STATION 25	West	Buffalo	0	6	11	2	23/4.16
						1	
						1	23-4.16
26 STATION 26	West	Buffalo	0	6	13	1	23/4.16
						3	
27 JEWETT AVE	West	Buffalo	0	10	10	4	23/4.16

28 STATION 28	West	Buffalo	0	4	12	4	23/4.16
29 POTOMAC	West	Buffalo	0	8	12	4	23-4.16
30 SPILLMAN	West	Buffalo	0	4	10	3	23/4.16
						1	
31 STATION 31	West	Buffalo	0	4	11	1	23/4.16
						2	
						1	
32 BAILEY	West	Buffalo	0	4	10	4	23-4.16
33 STATION 33	West	Buffalo	0	4	10	4	23/4.36
34 BEST ST.	West	Buffalo	0	8	10	3	23/4.16
						1	23-4.16
35 WALDEN	West	Buffalo	0	4	11	4	23/4.16
36 SUMNER PL	West	Buffalo	0	4	11	4	23/4.16
37 HUDSON AVE	West	Buffalo	0	7	11	4	23/4.16
38 SPRING	West	Buffalo	0	8	11	4	23/4.16
39 WILLIAM	West	Buffalo	0	4	12	4	23/4.16
40 WILLIAM STA	West	Buffalo	0	4	15	4	23-4.16
41 STATION 41	West	Buffalo	0	8	12	4	23-4.16
42 OHIO	West	Buffalo	0	3	5	3	23/4.16
43 SENECA ST	West	Buffalo	0	4	10	2	22.9-4.36
						2	23-4.16
44 SOUTH PARK	West	Buffalo	0	4	11	2	23/4.16
						1	
						1	
45 STATION 45	West	Buffalo	0	4	8	1	23/4.16
						3	23-4.16
46 STATION 46	West	Buffalo	0	4	11	2	22.9/4.16
						2	23/4.16
47 STATION 47	West	Tonawanda	0	3	8	3	23/4.36
48 GELSTON	West	Buffalo	0	4	10	2	23/4.16
						2	
49 BEST	West	Buffalo	0	8	12	4	23/4.16
51 ELK ST	West	Buffalo	0	4	8	4	23/4.16
52 HERTEL	West	Buffalo	0	4	12	1	23/4.16

						2	23-4.16
53 BAILEY	West	Buffalo	0	3	6	3	23/4.16
54 MAIN	West	Amherst	2	0	11	1	115/4.16
						1	
56 Electric Ave	West	Lackawanna	2	0	7	2	115/4.16
56 WILLOWDALE & BARTON	West	Tonawanda	0	5	8	1	23/4.16
						3	
57 COLVIN	West	Tonawanda	0	3	8	3	23/4.16
58 HARLEM RD	West	Amherst	0	2	8	1	34.4/4.36
						2	34.5/4.16
						1	
59 PERRY	West	Buffalo	0	3	6	2	23/4.16
						1	
60 HAUSAUER RD	West	Amherst	2	0	7	1	115/13.8
						1	
61 STATION 61	West	Cheektowaga	2	0	6	1	115/4.16
						1	
63 HIGHLAND	West	Tonawanda	0	3	5	1	22.9-4.36
						2	23-4.16
64 STATION 64	West	Grand Island	2	0	6	1	113/13.8
						1	
66 UNION RD & MECHANIC ST	West	Cheektowaga	0	1	1	1	34.5-4.8
67 STATION 67	West	Amherst	0	2	2	2	34.5-4.16
68 ELMWOOD	West	Buffalo	0	4	10	4	23-4.16
71 S. NEWFANE	West	Newfane	0	2	2	1	34.4-5.04
74 MILITARY	West	Tonawanda	0	7	6	1	23/4.16
						1	23-4.16
						1	
76 SHAWNEE	West	Cambria	2	0	4	1	115/13.8
77 EAST AVE	West	Tonawanda	0	4	5	2	23-4.16
78 FASSETT ST.	West	North Tonawanda	2	7	8	1	115/23
						1	
						1	
						1	

						2	115/23/4.16
79 RIDGE ST.	West	North Tonawanda	0	3	6	3	23-4.16
80 EIGHTH STREET	West	Niagara Falls	0	3	5	3	12-4.16
81 BEACH AVE	West	Niagara Falls	0	6	7	3	12-4.16
82 11TH ST	West	Niagara Falls	0	6	8	1	12/4.16
						2	12-4.16
83 WELCH AVE	West	Niagara Falls	0	8	8	3	12-4.16
85 STEPHENSON AVE	West	Niagara Falls	0	6	8	3	12-4.8
86 LEWISTON HEIGHTS	West	Lewiston	0	2	2	1	34.5-4.8
87 LEWISTON	West	Lewiston	0	2	3	1	34.5-4.8
88 YOUNGSTOWN	West	Porter	0	2	2	1	34.4-5.04
89 RANSOMVILLE	West	Wilson	0	2	2	1	34.5-4.8
93 WILSON	West	Wilson	0	2	3	1	34.5-4.8
97 SUMMIT PARK	West	Wheatfield	2	0	8	2	113/13.8
105 SWANN RD	West	Lewiston	2	0	4	1	115/13.8
						1	115-13.8
121 CLINTON ST	West	West Seneca	0	2	1	3	34.5-4.8
122 SOMMER ST	West	North Tonawanda	0	2	5	1	23-4.16
						3	
124 ALAMEDA AVE	West	Amherst	0	2	13	4	34.5-4.16
126 STATION 126	West	Tonawanda	0	2	4	2	23-4.16
127 DELAWARE ROAD	West	Tonawanda	0	3	6	2	23/4.16
						1	23-4.16
129 BROMPTON	West	Tonawanda	2	0	7	1	115-4.16
						1	115-4.33
130 NIAGARA FALLS BLVD	West	Amherst	2	0	8	2	115/13.8
132 BUELL AVE	West	Cheektowaga	0	2	1	1	34.5-4.8
138 OAKWOOD	West	Pendleton	1	0	2	1	115-4.8
139 MARTIN RD	West	Lackawanna	2	0	6	2	115-4.16
140 MAPLE RD	West	Amherst	2	0	8	2	115/13.8
146 WALDEN AVE.	West	Cheektowaga	0	1	2	1	34.5-13.8
						1	34.5-4.8
154 GEORGE URBAN	West	Cheektowaga	2	0	3	2	115-4.16
155 ROBERTS	West	Buffalo	1	0	3	1	115-4.16

160 SUMMER ST.	West	Buffalo	0	6	6	2	23-4.16
						1	
161 SHORT STREET	West	Buffalo	0	3	8	3	23-4.16
162 STATION 162	West	Buffalo	0	2	3	1	23-4.16
						1	
170 NEWFANE	West	Newfane	0	2	3	1	34.5-4.8
171 BURT	West	Newfane	0	2	3	1	34.5/4.8
205 ERIE DRIVE	West	Buffalo	0	3	2	4	23-13.8
206 TONAWANDA CREEK	West	Amherst	2	0	6	1	115-13.8
						1	
207 SLADE AVE	West	West Seneca	0	0	0	1	34.4/13.8
208 STATION 208	West	Buffalo	0	3	6	2	23/4.16
						1	23-4.16
209 LONG ROAD	West	Grand Island	2	0	4	1	115-13.8
210 MILITARY RD	West	Niagara Falls	2	0	5	1	115-13.8
211 AYER RD	West	Amherst	2	0	8	2	115/13.8
212 HARBOR FRONT	West	Lackawanna	2	0	10	2	115-13.8
213 DALE RD	West	Cheektowaga	2	0	2	1	115/13.8
214 STATION	West	Tonawanda	2	0	5	1	115-4.16
BUFF AVE STA	West	Niagara Falls	2	0	8	1	115/13.8
						1	115-13.8
216 LOCKPORT RD	West	Niagara	2	0	4	1	115/13.8
WALMORE	West	Wheatfield	3	0	4	1	115/13.8
224 SWEET HOME	West	Amherst	2	0	8	1	115/13.8
						1	115-13.8
STEAMBURG	West	Coldspring	0	2	2	1	34.5-4.8
STILES	Central	Van Buren	0	1	2	1	34.5/4.8
						2	
STITTVILLE	Central	Marcy	2	0	2	1	115/13.8
STONER	East	Johnstown	2	0	4	1	115/13.8
STOW	West	North Harmony	0	2	1	1	34.5-4.8
STUVESANT	East	Stuyvesant	0	1	2	1	34.4/13.8
SUMMIT	East	Richmondville	1	1	1	1	69/23
						1	69/4.8

SUNDAY CREEK	Central	Webb	1	0	1	1	115/13.8
SWAGGERTOWN RD	East	Glenville	2	0	3	1	115/13.8
SYCAWAY	East	Brunswick	2	0	6	1	115/13.8
						1	115-13.8
EFFLEY FALLS	Central	Croghan	7	5	0	1	115/23
TEALL SUBSTATION	Central	Salina	9	7	6	3	115/34.5
						3	
						3	
						3	
						1	115-13.8
TEMPLE ST.	Central	Syracuse	3	0	20	2	115/13.8
						1	
TERMINA	Central	Utica	2	0	11	1	110/13.8
						1	115-13.8
THIRD ST	Central	Fulton	0	1	3	1	34.5/4.8
THOUSAND ISLANDS	Central	Clayton	1	0	6	2	115/13.8
TIBBETS AVE	East	Troy	0	3	3	1	34.5/4.16
TRINITY	East	Albany	4	0	14	2	115/13.8
						1	13.8/4.16
TRUXTON	Central	Truxton	0	1	1	3	34.5/4.8
						3	
TULLER HILL	Central	Virgil	1	0	1	1	115/13.8
TULLY CENTER	Central	Tully	1	0	3	1	115/13.8
TURIN RD	Central	Lee	2	0	4	1	115/13.8
UNION	Central	Black Brook	0	4	1	3	46/2.4
UNION ST	East	Cambridge	0	1	3	1	34.4/13.8
UNIONVILLE	East	New Scotland	0	1	2	1	34.5-13.8
VAIL MILLS	East	Mayfield	2	0	3	1	115/13.8
						1	115/69/13.8
VAL KIN	East	Kinderhook	2	0	3	1	115/13.8
VALLEY	West	Great Valley	1	0	5	1	115/13.8
						1	
VALLEY SUBSTATION	Central	Herkimer	2	4	4	2	115/4.16
						2	115/46

						1	115-46
VANDALIA	West	Allegany	0	2	1	1	34.5-13.8
VOORHEESVILLE	East	Whitestown	2	0	3	1	115/13.8
WALESVILLE	Central	Whitestown	1	0	3	1	115/13.8
WARRENSBURG	East	Warrensburg	2	3	2	1	115/13.8
						1	115/34.5
WATERPORT	West	Carlton	0	3	3	1	34.5-4.8
WATT ST	East	Rotterdam	0	1	2	1	34.4/13.8
WEAVER ST	East	Schenectady	0	2	2	1	34.5-13.8
WEIBEL	East	Saratoga Springs	2	0	8	1	115/13.8
						1	
WELLS	East	Wells	0	2	1	1	23-4.8
WEST ADAMS	Central	Adams	1	0	5	1	115/13.8
W ALBION	West	Albion	0	2	2	1	34.5-13.8
						1	
WEST CLEVELAND	Central	Constantia	0	1	1	3	34.5-13.8
W HAMLIN	West	Hamlin	2	0	4	1	115/13.8
WEST HERKIMER	Central	Herkimer	0	1	1	1	46/13.8
WEST MONROE	Central	West Monroe	0	1	1	1	34.5/13.8
W. OLEAN	West	Olean	2	0	5	1	113/13.8
						1	115/13.8
PERRYSBURG	West	Perrysburg	0	1	1	1	34.4-5.04-13.8
WEST SALAMANCA	West	Salamanca	0	3	1	1	34.5-4.8
WEST VALLEY	West	Ashford	0	2	2	1	34.5-4.8
WESTVALE	Central	Geddes	0	1	4	1	34.5/4.16
WESTVILLE	Central	Westville	0	1	1	3	34.5/4.8
WETHERSFIELD STATION	West	Wethersfield	0	1	2	2	34.5-4.8
WHITAKER	Central	Volney	1	0	4	1	115/13.8
WHITE LAKE SUBSTATION	Central	Forestport	0	1	1	3	46/4.8
WHITEHALL	West	Whitehall	0	0	0	1	115-13.8
WHITESBORO	Central	Whitestown	0	4	3	1	46/4.16
NEW WHITESVILLE	West	Independence	0	1	1	1	34.5-4.8
WILTON	East	Wilton	0	2	2	1	34.5/13.8
WINE CREEK	Central	Oswego	2	0	4	1	115/13.8

WOLF RD.	East	Colonie	2	0	7	1	113/13.8
						1	115/13.8
WORCESTER	East	Worcester	0	1	1	1	23/13.8/4.8
YAHNUNDASIS (1&2)	Central	New Hartford	3	5	5	1	115/13.8
						1	115/46
						1	
YORK CENTER SUBSTATION	West	York	1	0	2	1	69-13.8

s) Info:		Date:	3/31/2013
Rated MVA	# Circuits	Customers Served	Age / Last Major Upgrade
20/26.67/33.33	6	670	6/21/2008
10/12.5	0		
3.75/4.69	15	7155	2/24/2003
3.75	7	2368	1/1/1996
3.75/5.25	0		
3.75/4.2	3	2126	1/1/1975
0.5	0		
12/16/20	6	5257	1/1/1975
5.0	0		
20/26.7	4	516	8/27/1957
1	0		
3.75	2	638	1/1/1994
1	4	647	3/20/2003
5/6.250	3	1969	1/1/1966
5/6.250	0		
24/32/40	7	10413	1/1/1993
20/26.7/33.3	0		
30/40/50	0		
30/40/50/56	0		
20/26.7/33.3	0		
7.5/9.375	0		
7.5/9.4	0		
7.5	2	1237	1/1/1991
5/6.25	7	2616	1/1/1965
2.5	2	646	11/7/2005
5/6.25	8	3649	1/1/1958
3.75	4	2678	1/1/1960
15/20/25	5	5946	5/20/1991

5.6	2	1406	1/1/1982
12/16/22.4	11	6947	8/2/2002
30/40/50	0		
3.75	5	1407	1/1/1976
15/20/25	6	7326	1/1/1990
1.5	4	787	1/1/1953
20/26.7/33.3	11	7437	7/15/1964
15/20	0		
30/40/50	9	4940	2/17/1966
12/16/20	0		
20/26/33	9	11169	12/1/2001
18/24/30	0		
3.75/4.2	5	2069	1/1/1972
12/16/20	8	5220	9/22/1971
13.4/17.9/22.4	0		
15/20/25	5	6429	12/1/1991
15/20/25	10	3686	4/7/2011
30/40/50	0		
30/40/50	0		
10/12.5	4	2543	1/1/1996
2.5	5	892	3/1/2004
12/16/20	5	5221	1/21/1971
10/12.5	4	3963	1/1/1985
2.5	3	619	10/1/2003
7.5	2	2139	1/1/1963
15/20/25	3	4205	10/6/1994
2	4	1367	7/28/2006
5/6.25/7	4	2631	1/1/1966
3.75	3	563	1/1/1957
18/24/33.6	6	1623	1/1/1975
13.4/17.9/22.4	3	5727	6/22/2004
1	2	636	1/1/1969
2	10	5236	1/1/1929
13.4/17.9/22.4	10	10233	7/31/1973

15/20/25	0		
15/20	0		
15/20/25	0		
20/26.7/33.3	13	14700	12/31/2001
30/40/50	0		
7.5/10.5	3	3837	1/1/1971
7.5/8.4/10.5	2	769	1/1/1995
5/6.25	5	1203	1/1/1958
12/16/20/22.4	6	6440	1/1/1973
22.4	5	7336	5/1/1972
1.5	3	723	1/1/1970
12/16	4	5996	12/2/1969
12/16/20	5	3398	6/10/1969
5.25	4	1223	10/20/2009
3.75/5.25	0		
1.5	3	988	1/1/1971
1.25	3	863	1/1/1959
.333	2	475	1/1/1956
.667	0		
2.5/3.1	2	2150	1/1/1956
2	9	1181	1/1/1955
3.75	5	2064	4/22/2005
1	3	1320	10/8/1948
2.5	4	1284	1/1/1984
15/20/25	5	4942	7/26/1996
1.25	4	941	1/1/1961
1.25	0		
.25	5	6785	1/1/1993
15/20/25	5	3177	1/1/1992
2.5	3	674	1/1/1957
12/16/20	5	8758	8/25/1974
.1	2	64	1/1/1990
5	2	1204	1/1/1988
7500/9375	4	2000	5/17/2012

7.5/9.3/10.5	5	3991	1/1/1972
3.75	3	1919	1/1/1959
3/3.65	4	2281	1/1/1957
12/16/20	9	8412	6/20/2012
18/24/30	0		
0.83	2	1163	1/1/1978
12	4	2989	1/1/1969
7.5/9.4/10.5	6	2886	1/1/1969
10/12.5	6	4882	10/27/1961
3.75	4	879	1/1/2000
5.0	5	2372	9/1/1960
.833	0		
12/16/22.4	12	6702	6/5/1972
15/20/25	0		
15/20/25	0		
3.75/4.69	4	1831	1/1/1978
3.75/4.7	4	1759	1/1/1970
5.6/7.0	2	2836	1/1/1982
5/6.25	6	2096	10/11/2006
7.5/8.4	3	722	1/1/1988
3.75	2	435	1/1/1956
2.5	4	1673	5/23/1967
5/6.25	5	3611	1/1/1956
3/3.65	2	810	1/1/1979
1.5	4	757	1/1/1974
7.5/9.375/10.5	3	4013	1/1/1992
5/6.25	4	2566	11/1/1963
30/40/50	6	2403	2/1/1962
1.667/1.9	0		
7.5/9.375	2	1221	7/1/2007
2.5	3	1527	1/1/1964
3.75/4.688	5	1315	2/5/2010
18/24/30	8	11369	10/1/1969
20/26.7/33.3	0		

.2	2	417	1/1/1970
3.75	4	1283	1/1/1993
2	4	1049	1/1/1960
15/20/25	4	4929	7/6/1992
12/16/20	10	4206	6/28/2001
20	0		
7.5/10.5	4	1778	1/1/1990
12/16/20	6	8448	10/1/1974
(blank)	3	4074	3/28/2012
10/12.5	6	3394	7/15/2005
5/6.25	0		
1.5	3	1579	1/1/1953
5/6.25	8	2543	7/1/1960
5/6.25	0		
7.5/8.4	4	2972	1/1/1970
3.5	3	113	10/1/2000
.833	2	246	1/1/1960
.833	0		
5	6	2171	1/1/1961
15/20/25	8	5190	5/21/1991
15/20/25	0		
20/26/33	6	9851	2/12/1999
6/7.5	2	1225	10/5/2006
1.25	3	2129	1/1/1957
2.5	4	1188	1/1/1972
20/26.67/33.33	6	6289	5/27/2009
7.5/8.4	7	3086	10/7/2010
7.5/8.4	0		
3.75	3	1402	1/1/1954
15/20/25	8	7521	5/9/2011
20/26.7/33.3	0		
15	6	2340	7/15/2002
1	3	1377	1/1/1972
2.5	4	906	1/1/1958

7.5/9.4	3	3744	1/1/1988
3.75/4.687	2	550	1/1/1991
6/7.5	3	1105	11/13/2005
5/6.3	5	2008	1/1/1959
12/16/20	6	6630	1/1/1973
5.0	2	756	1/1/1993
3.75	3	1859	1/1/1960
400/448	0		
340/443	0		
1/1.15	2	664	1/1/1957
1.5	3	938	1/1/1952
2.5/3.13	3	770	1/1/1975
1.67/1.92	4	1725	10/1/1963
1.67/1.92	0		
15/20/25	5	5469	9/29/2000
7.5/9.375	3	1312	1/1/1971
3/3.65	9	3699	1/1/1954
3/6.25	0		
5	5	944	10/1/2007
1.67	0		
20/26.7/33.3	8	10360	7/11/1988
15/20/25	5	4706	1/1/1990
0.83	3	476	1/1/1959
0.83	0		
2.5/3.125	3	1578	1/1/1956
.833	3	1071	1/1/1966
.5	2	1025	10/1/1992
12/16/20	17	7041	1/1/1967
1	2	402	1/1/1952
2.5	3	992	1/1/1969
15/20/25	4	4492	1/1/1991
5/6.25	3	2439	1/1/1972
11.2/14	3	2538	12/16/2011
20/26.67/33.33	6	3756	3/1/2008

5/6.25	2	1066	1/1/1969
5/5.6/7	3	2088	2/1/1968
15/20/25	6	2146	3/30/2006
3.75/4.68	3	773	1/1/1968
.25	2	184	1/1/1992
.25	0		
3.75/4.69	5	2548	9/2/2004
3.75	2	537	1/1/1973
5	2	598	6/2/2006
5.6/7.0	5	2069	1/1/1985
24/35.8/44.8	12	6666	1/1/1992
26.9/35.8/44.8	0		
1.28	4	639	1/1/1991
5	4	1713	1/1/1959
3.75/4.68	4	1711	5/1/2005
5/6.25	8	1653	1/1/1991
3.75	4	815	1/1/1973
7.5/9.4	4	4392	1/1/1968
.5	3	2112	11/2/1995
5	3	939	1/1/1989
2.83/3.2	10	994	1/1/1998
3.75	0		
5/6.25	4	2779	9/1/1960
15/20/25	10	7932	1/1/1996
8.4/10.5	0		
5/6.25	2	2184	1/1/1974
5	3	1789	1/1/1987
18/24/30	19	8595	4/4/1970
30/40/50	0		
20/26/33	0		
2.5	4	832	1/1/1989
20.2/26.9/33.6	8	12907	1/1/1974
.75	2	174	11/12/2002
13.4/17.9/22.4	6	5038	7/1/1974

3.75/5.25	3	1607	1/1/1996
1.25	5	1154	1/1/1953
1.67	0		
20/26.7/33.3	10	8631	8/1/2007
20/26.7	0		
7.5/9.4	3	1529	6/12/1956
15/20	0		
3.75/4.2/4.68/5	2	657	1/1/1992
10/12.5	3	2718	1/1/1996
5/6.25	8	3356	1/1/1998
5/5.6/7.0	3	2709	1/1/1975
10/12.5	8	2930	1/1/1999
5/6.25	5	1922	8/31/2001
.667	5	1030	1/1/1948
2.5/2.875	4	1391	1/1/1953
2.5/3.13	0		
7.5/8.4/10.5	5	3508	9/17/1973
6.7/8.3	0		
18/24/36	10	10235	10/2/2012
20/26.67/33.33	0		
5	4	1631	1/1/1994
12/16/20/22.4	9	9659	1/24/1968
30/40/50	0		
20/26/33	0		
1/1.25	3	1657	1/1/1989
25	5	5830	9/1/1988
15/25	0		
155.9	10	1236	9/18/2003
7.5/9.375/10.5	0		
20/26.7/33.3	0		
18/24/30	10	6174	10/27/2011
20/26.6/33.3	0		
10/12.5	5	2239	1/1/2004
12/16/20	8	7333	4/29/1969

12/16/20	0		
5/5.6	9	3348	12/26/2001
10/12.5	0		
3.75/4.687	2	653	1/1/1993
5/6.25	8	2427	1/1/1959
15/20/25	5	3944	8/27/2004
1.5	4	1100	1/1/1959
7.5	3	66	1/1/1983
1.5	0		
13.4/17.9/22.4	6	3207	5/4/1976
18/24/26.9/33.6	0		
20.2/26.9/33.6	0		
49/66/82	0		
12/16/20	3	766	1/1/1976
15/20/25	6	5057	3/30/2005
3.75	11	1366	1/1/1971
5	3	988	1/1/1994
2.5	6	2317	1/1/1994
7.5	0		
10/12.5	4	389	1/1/1997
12	8	5823	10/1/1971
12/16/22.4	0		
12/16/20	6	6454	8/22/1968
5/6.25	4	1086	1/1/1962
1.5	2	699	1/1/1968
1	2	235	1/1/1968
7.5/9.375	7	3792	10/31/1963
12.5	18	4893	12/1/2007
5/6.25	0		
5	0		
5/6.25	0		
7.5/9.375	12	3352	5/1/1951
2.5	4	1798	1/1/1960
1.5	3	453	1/1/1997

1.5/1.725	2	619	1/1/1953
10/12/14	5	2744	2/1/1994
15/20/25	0		
3.75/4.2/5.25	0		
.5	3	45	1/1/1990
3.75/4.24	4	2049	1/1/1990
0.333	2	217	1/1/1992
3.75/4.69	3	1301	1/1/1978
3.75/4.69/5.25	2	507	1/1/1996
15/20/25	6	6429	2/1/1986
12/16/20	0		
15/20/25	4	7586	1/1/1991
3.750/4.68	5	1822	5/1/2005
7.5/9.375	5	2122	7/13/2007
12/16/20/22.4	7	4425	1/1/1984
20/26.7/33.3	7	1771	12/1/1991
3.75	0		
2.5/3.13	6	1924	8/31/1958
15/20/25	9	4408	10/21/2011
10	0		
7.5/9.375	0		
15/20/25	5	4888	1/1/1997
3.75/4.688	4	1147	6/26/2007
15/20/25	13	6407	7/10/2007
30/40/50	0		
5/6.25	8	3598	8/1/1960
7.5/8.4/10.5	4	2968	4/11/1968
12/13.4	5	2675	12/1/1975
10	4	5361	1/1/1996
3/3.75	2	1054	1/1/1950
0.83	2	1210	1/1/1959
12/16/22	9	4762	12/9/1969
15	0		
12/16/20/22.4	23	8830	5/5/1974

15/20/25	0		
30/40/50	0		
20/26.7	0		
7.5/9.375	0		
6	0		
1.67	2	73	1/1/1984
2.5/3.13	3	1471	1/1/1963
7.5/9.4/10.5	3	4011	1/1/1977
4.7/5.25	5	1916	1/1/1973
3.75/4.69/5.25	2	665	1/1/1956
5/6.25	5	74	1/1/1965
5/6.25	15	3198	1/1/1956
2.5/3.1	3	1771	1/1/1940
12/16/20	6	7439	1/1/1969
3.75/4.69	4	1388	1/1/1952
6.67	0		
3/4	3	2011	1/1/1950
2.5	3	1113	11/23/2010
15/20/25	5	6141	3/19/1986
5/7	5	2286	1/1/1993
7.5/9.375	4	3811	1/1/1997
18/24/30	6	7932	1/1/1977
7.5/9.4/10.5	0		
10	6	8301	1/1/1995
2.5	2	136	5/1/2003
2.5	0		
5/6.25	8	1554	5/25/1957
5/5.6	0		
10/12.5	5	2335	3/1/1954
1.25	0		
1.25	0		
3.75/4.69/5.25	2	1386	1/1/1974
16.8/22.4/28	0		
1.5	3	227	1/1/1991

1.5	2	570	1/1/1961
2.5	3	170	1/1/1975
12/22.4	8	6590	1/1/1992
15/20/25	0		
1	3	303	1/1/1960
2.5	4	1516	1/1/1964
10/12.5	5	3373	3/1/1987
30/40/50	0		
3.75	2	1253	1/1/1976
12/16/20	5	5283	9/10/1971
25/33.3/41.7	0	1475	1/1/1970
2.5	2	675	1/1/2004
12/16/20/22.4	5	4924	5/15/2012
1.25	4	1212	1/1/1959
15/20/25	15	6150	2/1/2007
30/40/50	0		
30/40	0		
10/12.5	4	4196	1/1/1992
10/12.5	0		
1.25	3	1571	1/1/1961
2.5	3	224	1/1/1996
28/37.3/46.7	8	1585	1/1/1975
3.75	0		
15/20/25	8	3793	8/1/2005
10.0/12.5	3	1909	1/1/1998
13.4/17.9/22.4	6	6027	2/18/1975
1.5	6	5907	12/1/1988
.5	0		
1.5	0		
1.25	6	2719	1/1/1992
2	0		
12/16/22.4	14	10374	8/4/1968
15/20/25	0		
2.5	2	711	1/1/1997

3.75/4.68	2	610	6/15/1954
12/16/20	6	10154	1/1/1968
1.5	3	642	6/19/2002
3	2	529	1/1/1950
.5	2	653	1/1/1949
5/6.25	5	3663	1/1/1956
30/40/50	11	3864	12/22/2004
15/20/25	0		
2.5	4	343	3/1/2004
12/16/20/22.4	6	8314	1/1/1971
20/26.7/33.3	8	5760	5/1/1993
20/26.6/33.3	0		
3	2	230	1/1/1994
15/20/25	9	8034	9/5/1991
1	2	738	1/1/1971
5/6.25/7	4	2231	1/1/1969
.33	2	412	1/1/1973
18/24/30	9	12143	1/1/1991
20/26.7/33.3	0		
12	8	6760	1/1/1989
15	0		
5/6.25	8	5237	1/1/1961
10	3	1722	1/1/1996
2.5	3	2557	1/1/1972
0.83	3	776	1/1/1966
7.5/8.4	3	3858	11/6/1966
0.83	2	960	1/1/1959
.5	4	2001	4/26/2001
7.5	2	1221	6/1/2012
.5	4	63	6/11/2005
12//16/20/24	3	4405	1/1/1974
2.5	2	216	1/1/1991
12/16/20	15	7468	5/1/1969
12/16/20	0		

30	0		
5	3	1016	10/1/2009
2.5	0		
0.33	2	540	1/1/1959
15/20/25	3	1817	1/1/1992
20/26.7/33.3	10	5733	3/28/2007
12.5	6	3730	1/1/1988
15/20/25	15	5294	8/19/1988
15/20/25	0		
400/448	0		
7.5/9.38/10.5	4	3371	1/1/1992
1	2	893	5/27/1947
20/26.7/33.3	10	1470	2/17/1966
22.4/29.9/37.4	0		
2.5	3	391	2/1/2006
3.75/4.68	2	519	10/16/1959
3.75	4	1270	1/1/2003
2.5	2	3	1/1/1949
40/53.3/66.6	23	3937	7/1/2001
40/53/66/74.6	0		
24/32/40	0		
0.5	2	269	1/1/1949
12/16/20	6	2201	5/2/1972
3.75	2	592	1/1/1993
5.6/7	5	1736	1/1/1966
20/26/33	6	7550	1/1/1973
18/24/30	12	11048	7/8/2004
15/20/25	9	7749	7/12/1960
30/40/50	0		
20/26.7/33.3	27	6057	9/18/1947
6.7/8.9	0		
33.6/44.8/56	0		
15/20/25	0		
267/298	0		

349	0		
1.5	3	1272	1/1/1972
5	2	157	1/1/1994
20.2/26.9/33.6	7	6051	1/1/1971
5/5.6	4	2393	7/14/2008
7.5/9.375	0		
5	3	810	1/1/1984
5/5.6	6	5212	5/9/1979
7.5/9.375	0		
15	5	2311	1/1/1992
3.75/4.69	6	603	1/1/1953
5/6.25	3	3891	1/1/1969
7.5/9.375/10.5	6	3037	7/14/1937
5/6.3	0		
60/80/100	0		
.667	2	1156	1/1/1947
12/16/20/22.4	5	3508	1/1/2008
7.5/9.375/10.5	4	2766	1/2/1971
5/5.6/6.25/7	2	2600	11/1/1977
20/26.7/33.3	11	8482	6/3/1982
21/28/35	0		
5/6.3	4	1773	1/1/1992
7.5/9.375	4	3729	1/1/1991
5/5.6	8	3368	1/1/1964
5/6.25	0		
7.5/9.375	3	4278	10/1/1969
5/6.3	4	3017	1/1/1965
0.33	2	272	1/1/1960
0.33	0		
5/6.25	6	3026	3/31/2003
5.6/7	4	23	1/1/1961
7.5	2	3334	1/1/2000
8.4/10.5	4	2859	1/1/1988
15/20/25	8	4916	6/20/1990

15/20/25	0		
3.75/5.25	5	1399	7/1/1973
5.25	0		
10/12.5	3	3863	1/1/1994
5/6.25	5	1963	1/1/1957
0.333	2	180	1/1/1991
2.5	2	1365	1/1/1963
15/20/25	5	5367	1/1/1993
15/20/25	5	9121	5/1/1991
.5	4	607	1/1/1955
0.5	0		
1.5	2	331	6/24/2005
10/12.5	5	2503	1/1/2002
.5	2	1062	6/9/1994
3.75	6	1968	1/1/1974
3.75	2	622	1/1/1972
12/16/20	5	6260	1/1/1966
1.67	2	113	1/1/1974
5/6.25	7	3172	9/1/2007
5/6.25/7	0		
3.75/5.25	3	1689	10/15/1971
15/20/25	5	8321	11/1/1991
3/3.75	4	896	1/1/1954
3.75/4.687	16	4815	8/1/2007
3.75/4.687	0		
3.75/4.6	20	7409	1/1/1993
3.75/4.687	16	5393	5/26/2011
3.75/4.69	15	4939	10/1/2003
2.5	17	4271	12/5/2000
2.5/3.125	0		
2.5	0		
3.7/5.2	19	8098	1/1/1977
3.7/5.25	0		
2.5	20	3873	1/1/1964

3.75/4.69	16	7233	3/31/2003
2.5	20	5731	10/7/2010
2.5/3.125	14	3083	1/1/1957
2.5/3.13	0		
2.5	15	5142	1/1/1948
2.5/3	0		
2.5/3.13	0		
2.5	14	7046	1/1/1951
3.75/4.68	14	5592	7/28/2006
2.5	18	4637	1/1/1930
2.5	0		
2.5	15	4920	1/1/1930
3.75/4.7	15	7453	6/1/2001
2.5	18	5148	1/1/1930
2.5	19	2903	1/1/1930
3.75/4.69	16	5764	1/1/1998
3.75/4.8	19	5144	1/1/1978
2.5	20	2044	12/13/1929
2.5/3	8	164	1/3/1940
3.75/4.687	14	4559	4/20/2012
3.75/4.687	0		
3.75	15	7823	1/1/1997
3.75/4.687	0		
3.75/4.69	0		
2.5/3.13	12	3485	1/1/1956
2.5	0		
3.75/4.7	15	6347	4/19/2004
3.75/4.7	0		
3.75/4.7	11	1128	1/1/2006
3.75/4.687	14	2957	1/1/1996
3.75/4.69	0		
3.75/4.69	20	2020	1/1/1993
2.5/3	12	2011	1/1/1939
2.5/3	16	2127	11/3/2010

3.75/4.687	0		
2.5/3.13	9	5201	1/1/1954
7.5/9.375	13	3344	7/29/1970
7.5/9.4	0		
3.75/4.687	9	2129	5/7/1949
2.5/3.1	13	3597	10/10/1956
2.5/3.13	0		
3.75/4.2/4.7/5	11	4008	1/1/1973
4.2/5.25	10	4139	1/1/2006
3.75/4.69	0		
3.75/4.69/5.25	0		
2.5/3	9	1057	1/1/1957
2.5/3.13	0		
12/16/20	9	5914	11/13/1969
12/16/22.4	0		
7.5/9.375	8	5751	9/26/1957
7.5/9.4	0		
4.2/5.25	8	3463	4/30/2010
3.75	0		
12	8	5121	5/23/1972
12/16/22.4	0		
1.5	2	230	1/1/1959
3.75	4	902	1/20/1958
2.5	14	6180	1/1/1967
3.75/4.688	4	1344	3/5/2010
2.5/3.12	13	3787	12/30/2003
2.5	0		
3	0		
12/16/20	6	5813	1/1/1975
4.725	9	2340	7/1/1998
15	17	5260	9/5/1968
15/20	0		
25	0		
30/40/50	0		

7.5	0		
2.5	9	2728	1/1/1958
3.5	8	1972	1/1/1951
3.5	13	3076	1/1/1949
3.5	14	4307	11/28/2011
3.5	0		
3.5	16	4136	1/1/1949
3.5	14	3549	1/1/1968
4.6/5.25	4	909	8/6/2004
3.75/4.69	5	1355	12/1/2005
3.75/4.688	4	1230	5/30/2012
3.75	4	1833	4/26/2004
3.750	5	2129	1/17/2013
12/16/22.4	10	5767	9/13/1971
15/20/25	6	5979	6/18/2007
15/20/25	0		
.833	3	17	3/1/1999
2.5	7	867	1/1/1991
3.125	0		
3.75/4.68	15	4172	9/19/1962
2.5	6	2300	1/1/1974
2.5/3.125	9	3777	10/1/1999
2.5	0		
7.5/9.375	9	3222	9/29/2010
7.5/9.375	0		
20/26.7/33.3	10	7144	12/1/1993
3.75	3	16	1/1/1986
3.75/4.68	3	994	9/15/1952
3.75/4.687	8	3105	10/20/1952
18/24/33.6	10	8992	9/5/1973
3.75	3	156	1/1/1969
1.5	0		
3.75	5	2154	7/19/1954
7.5	4	2257	1/1/1975

3.75	12	1355	4/1/2007
4.2/5.25	0		
3.75	11	2748	1/1/1993
2.5	5	7	1/1/1969
2.8	0		
5.25	5	1919	1/1/1972
3.75/4.69/5.25	5	1922	1/1/1994
3.75	5	348	1/1/1990
15	8	6467	2/1/1990
15/20/25	0		
3.75/4.69	0	7	12/31/2004
3.75/4.6	9	2533	1/1/1993
3.75	0		
15	6	3917	12/1/1990
20/26.7/33.3	7	5835	5/1/1991
20/26.7/33.3	10	4673	1/7/1994
15	12	3249	6/30/2003
7.5/8.4	4	61	8/21/1970
7.5/9.375	7	1934	1/1/1975
20/26.7/33.3	10	4304	10/30/1992
20	0		
15/20/25	6	3475	6/29/1992
12/16/20	7	4976	7/31/1972
20/26/33	10	4377	5/31/2002
20/26.6/33.3	0		
1.5	4	774	1/1/1952
1.667/2.15	3	1076	1/1/1960
1.67/2.15	0		
7.5/10.5	4	3247	4/5/1973
12/16/20	6	3539	1/1/1994
2.5	3	1218	1/1/1988
10	3	1601	1/1/1990
7.5/8.4/10.5	3	944	1/1/1974
7.5/8.4/10.5	0		

2.5/3.13	2	287	1/1/1986
12/16/22.4	5	5637	1/1/1969
12/16/22.4	8	7213	11/1/2011
15/20/25	0		
20/26.7/33.3	12	38	1/1/1993
5/6.67	22	11355	7/9/2012
5/6.7	0		
5/7	0		
5/7.5	0		
24/32/40	0		
24/32/40/44.8	23	7941	1/1/1979
26.9/35.8/44.8	0		
27/36/45	13	9934	5/28/1963
24/32/40	0		
3.75/4.69	4	2515	1/1/1959
15/20/25	7	10441	1/1/1989
5/6.25	6	2299	1/1/1954
33.6/44.8/56	18	13830	1/1/1972
7.5/9.4	0		
0.25	2	572	1/1/1970
0.33	0		
5/6.25	2	394	10/18/1966
12/16/20	4	4553	1/1/1965
15/20/30	6	6653	4/14/1987
1.67	5	27	1/1/1992
7.5/9.375	4	3115	1/1/1996
10/12.5	3	1960	1/1/1995
12/16/20/22.4	5	8127	8/25/1972
30/40/50	0		
12/16/20/22.4	5	5524	11/4/1977
15/20/25	6	6184	7/1/1992
20/26.7/33.3	0		
7.5/9.375	10	1809	8/24/1969
7.5/9.375	0		

15/20/25	0		
5	3	1133	11/6/2002
15/20/25	5	5844	1/1/1993
15/20/25	4	5194	12/12/1993
10/12.5	7	3660	5/7/1981
33.6/44.8/56	0		
3.75	6	2052	1/1/1996
7.5/9.37/10.5	3	3658	1/1/1973
10/12.5	4	4969	1/1/1995
20/26/33	10	7184	7/12/2005
20/27/33	0		
2.5	3	903	1/1/1949
15/20/25	6	8611	1/1/1981
3.75/4.63/5.25	4	975	8/13/2012
5.6	0		
.5	2	777	3/10/2011
20/26.7/33.3	6	7618	6/5/2008
5/6.25/7	2	1708	1/1/1971
5/6.25/7	2	2242	1/1/1969
13.44/17.92/22.4	7	7825	9/22/1971
15/20/25	0		
5	2	887	1/1/1993
1.5	4	384	1/1/1977
2.5	4	1283	1/1/1997
7.5	5	1818	12/9/2007
1.25	2	997	3/19/2010
1	3	641	1/1/2002
20/26/33	5	5887	1/1/1977
0.5	2	1028	1/1/1958
7.5	0	2984	9/1/1974
5/6.25	7	2208	1/1/1960
1.5	2	689	1/1/1993
10/12.5	4	3144	1/1/1990
12	6	5882	1/1/1981

18/24/30/33.6	9	4185	8/8/1973
18/24/30/33.6	0		
4.4/6/7.5	2	1270	1/1/1993
18/24/30	13	5088	9/6/1968
20/26.7	0		
21/28/35	0		
8.4/10.5	3	1854	1/1/1995

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