

Q. B-49, Upgrade Power Transformers \$1,246,000

Please provide a listing of the transformers that Hydro has in service, including the rating and the location where it is in service.

A. The following is a list of in-service transformers in voltage classes 66 kV and above.

Location	Manufacturer	Serial No	Year Built	Voltage		Rating (MVA)			
				HV (kV)	LV (kV)	ONAN	ONAF	ONAF	OFAF
BARACHIOX	NORTHERN TRANSFORMER	92-905	1993	69	24.9	10	13.33	16.666	0
BAY D'ESPOIR	C.G.E.	286669	1968	230	13.8	64	88.2	0	0
BAY D'ESPOIR	C.G.E.	288926	1977	230	13.8	129	172	0	0
BAY D'ESPOIR	WESTINGHOUSE	293266	1966	230	13.8	64	85	88.2	0
BAY D'ESPOIR	WESTINGHOUSE	293267	1966	230	13.8	64	85	88.2	0
BAY D'ESPOIR	WESTINGHOUSE	293456	1967	230	13.8	64	85	88.2	0
BAY D'ESPOIR	FEDERAL PIONEER	61-00-68904	1988	230	68.6	15	20	25	0
BAY D'ESPOIR	WESTINGHOUSE	A-3-S-7203	1970	69	24	10	13.3	16.6	0
BAY D'ESPOIR	WESTINGHOUSE	A-3-S-7380	1976	230	69	15	20	25	0
BAY D'ESPOIR	WESTINGHOUSE	A-3S7757	1968	230	13.8	64	85	88.2	0
BAY D'ESPOIR	WESTINGHOUSE	A-3S7764	1969	230	13.8	64	85	88.2	0
BEAR COVE	PAUWELS TRAFO BELGIUM	95.2.4022	1995	138	25	10	13.3	16.7	
BERRY HILL	PAUWELS TRAFO BELGIUM	95.2.4099	1996	138	66	15	20	25	
BOTTOM BROOK	C.G.E.	286625	1967	230	138	25	33.3	41.7	0
BOTTOM BROOK	WESTINGHOUSE	293692	1967	138	66	15	20	25	0
BOTTOM BROOK	FEDERAL PIONEER	61-00-68607	1987	230	138	25	33.3	41.7	0
BOTTOM WATERS	TRANSELECTRIC	A32S0121	1990	138	25	10	13.33	16.67	0
BUCHANS	FERRANTI-PACKARD	1-2718	1966	69	13.8	12	16	0	0
BUCHANS	FERRANTI-PACKARD	2-350433	1983	66	25	5	6.667	8.33	0
BUCHANS	WESTINGHOUSE	293315	1967	230	66	40	53.3	66.6	0
CAT ARM	ASEA	6311669	1984	230	13.8	60	80	0	0

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CAT ARM	ASEA	6311670	1984	230	13.8	60	80	0	0
CHURCHILL FALLS	WESTINGHOUSE	A-35-7567	1977	230	138	25	33	42	0
CHURCHILL FALLS	WESTINGHOUSE	A-35-7568	1977	230	138	25	33	42	0
COME-BY-CHANCE	WESTINGHOUSE	3-S-7548-A	1972	230	13.8	30	40	50	0
COME-BY-CHANCE	WESTINGHOUSE	3-S-7548-B	1972	230	13.8	30	40	50	0
CONEY ARM	FEDERAL PIONEER	T-60549	1982	69	25	2.5	3.3	4	0
CONNE RIVER	FERRANTI-PACKARD	305960	1975	69	12.5	2.5	0	0	0
CORNER BROOK	MOLONEY ELECTRIC	230814	1966	66	6.6	21	28	0	0
CORNER BROOK	AVEVA	PO28ID431	2007	66	6.6	21	28	0	0
COW HEAD	MOLONEY ELECTRIC	3674-1	1978	66	25	5	6.667	8.333	0
DANIEL'S HARBOUR	WESTINGHOUSE	A-3-S-6118	1970	66	25	1	1.33	0	0
DANIEL'S HARBOUR	WESTINGHOUSE	B-3-S-6118	1970	66	25	1	1.33	0	0
DEER LAKE	FERRANTI-PACKARD	42511	1983	230	138	45	60	75	0
DEER LAKE	FEDERAL PIONEER	66310	1980	138	66	25	33.3	41.67	0
DOYLES	FEDERAL PIONEER	61-00-69224	1989	138	66	25	33.3	41.7	0
DUCK POND	DELTA STAR INC	E33801205	2005	66	4.16	10	13.3	16.7	0
ENGLISH HARBOUR WEST	FEDERAL PIONEER	T-60127-1	1980	69	25	5	6.667	0	0
FAREWELL HEAD	FEDERAL PIONEER	T-60752	1988	66	25	10	13.3	16.67	0
GLENBURNIE	WESTINGHOUSE	3-S-6116	1969	66	25	2.5	3.3	0	0
GRAND FALLS	WESTINGHOUSE	293246	1966	230	13.8	30	40	50	0
GRAND FALLS	WESTINGHOUSE	293247	1966	230	13.8	30	40	50	0
GRANDY BROOK	FEDERAL PIONEER	61-00-68608	1987	138	25	7.5	10	12.5	0
GRANITE CANAL	ABB	1133321	2002	230	13.8	30	40	50	0
HAMPDEN	FEDERAL PIONEER	T-60508	1981	69	25	2.5	3.3	4	0

HAPPY VALLEY	C.G.E.	289067	1977	138	25	15	20	25	0
HAPPY VALLEY	FERRANTI- PACKARD	60013-101- 01	2004	138	25	30	40	50	0
HARDWOODS	C.G.E.	286852	1968	230	66	40	53.3	66.67	0
HARDWOODS	C.G.E.	287959	1972	230	66	40	53.3	66.67	0
HARDWOODS	C.G.E.	289112	1976	66	0.6	0.75	0	0	0
HARDWOODS	FEDERAL PIONEER	61-00- 6A183	1992	230	66	75	100	125	0
HARDWOODS	WESTINGHOUSE	A-3-S-7430	1976	66	13.8	45	60	75	0
HARDWOODS	WESTINGHOUSE	A-3S-7561	1976	230	66	40	53.3	66.6	0
HAWKE'S BAY	H.K. PORTER COMPANY	22340	1976	66	25	5	6.667	0	0
HAWKE'S BAY	WESTINGHOUSE	A3-S-6119	1969	66	25	2.5	3.3	0	0
HINDS LAKE	FERRANTI- PACKARD	1-4227	1980	138	13.8	41.5	55.3	69.2	0
HINDS LAKE	FERRANTI- PACKARD	1-4228	1980	138	13.8	41.5	55.3	69.2	0
HOLYROOD	C.G.E.	286167	1966	230	138	25	33.3	41.7	0
HOLYROOD	C.G.E.	287064	1969	230	138	25	33.3	41.7	0
HOLYROOD	C.G.E.	287198	1970	230	16	0	0	0	170
HOLYROOD	TRAFO-UNION	303236	1978	230	16	105	140	0	180
HOLYROOD	FEDERAL PIONEER	61-00- 68928	1988	230	138	75	100	125	0
HOLYROOD	FEDERAL PIONEER	61-00- 69225	1989	230	16	115	152	190	0
HOLYROOD	FEDERAL PIONEER	61-00- 69576	1990	230	69	15	20	25	0
HOLYROOD	WESTINGHOUSE	A-3-S-7520	1969	230	69	15	20	25	0
HOLYROOD	WESTINGHOUSE	A-3-S-7608	1978	69	4.16	10.5	14	0	0
HOLYROOD	ABB	SHB1833	1996	69	4.16	1.5			
HOLYROOD	PIONEER ELECTRIC	WT-1976-1	1969	69	4.16	10.5	14	0	0
HOWLEY	FEDERAL PIONEER	T60513	1981	138	69	7.5	10	12.5	0
JACKSON'S ARM	FEDERAL PIONEER	T-60509	1981	69	25	5	6.6	8.3	0
LONG HARBOUR	C.G.E.	286670	1968	230	46	50	66.7	83.3	0
MAIN BROOK	FEDERAL PIONEER	T-60755	1988	69	4.16	1.5	0	0	0
MASSEY DRIVE	FERRANTI- PACKARD	18757-101- 01	1998	230	66	75	100	125	0

MASSEY DRIVE	PIONEER ELECTRIC	2755-1	1966	66	6.9	0.113	0	0	0
MASSEY DRIVE	C.G.E.	287527	1970	230	66	40	53.3	66.67	0
MASSEY DRIVE	WESTINGHOUSE	A-3-S-5316	1981	230	66	75	100	125	0
MUSKRAT FALLS	FEDERAL PIONEER	T-60559	1982	138	25	2	0	0	0
BISHOP'S FALLS	MOLONEY ELECTRIC	268343	1973	132	66	0	0	0	15
OXEN POND	PIONEER ELECTRIC	2755-2	1966	66	6.9	0.113	0	0	0
OXEN POND	C.G.E.	289703	1986	230	66	75	100	125	0
OXEN POND	WESTINGHOUSE	293314	1967	230	66	40	53.3	66.6	0
OXEN POND	WESTINGHOUSE	A-3-S-7857	1977	230	66	75	100	125	0
PARSON'S POND	C.G.E.	288026	1972	69	25	1	1.33	0	0
PETER'S BARREN	C.G.E.	287987	1972	69	0.6	1	0	0	0
PETER'S BARREN	PAUWELS TRAFO BELGIUM	95.2.4023	1995	138	66	15	20	25	0
PLUM POINT	PAUWELS TRAFO BELGIUM	95.2.4021	1995	138	25	10	13.3	16.7	
RATTLE BROOK	NORTHERN TRANSFORMERS	98-1382	1998	69	4.16	4	0	0	0
ROCKY HARBOUR	FERRANTI- PACKARD	2-350432	1983	66	25	5	6.666	8.333	0
RODDICKTON WOODCHIP	FEDERAL PIONEER	T-60756	1987	69	4.16	5	6.7	8.3	0
RODDICKTON WOODCHIP	FEDERAL PIONEER	T-60757-1	1988	69	25	5	6.7	8.3	0
SOUTH BROOK	C.G.E	286450	1967	138	25	5	6.6	8.3	0
ST. ANTHONY AIRPORT	T & R ELECTRIC	082876	1996	69	7.2	0.167	0	0	0
ST. ANTHONY AIRPORT	PAUWELS CANADA	61-00- 6A724	1996	138	69	15	20	25	0
ST. ANTHONY DIESEL PLANT	FERRANTI- PACKARD	CM17574	1996	69	24.9	15	20	25	
STEPHENVILLE	WESTINGHOUSE	A-3-S-4593	1975	66	0.6	1.5	0	0	0
STEPHENVILLE	WESTINGHOUSE	A-3-S-7381	1975	66	13.8	45	60	75	0
STEPHENVILLE	WESTINGHOUSE	B-3-S-7561	1975	230	66	40	53.3	66.6	0
STONY BROOK	C.G.E.	288839	1976	230	138	75	100	125	0

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STONY BROOK	C.G.E.	288894	1976	230	138	75	100	125	0
SUNNYSIDE	C.G.E.	288838	1976	230	138	75	100	125	0
SUNNYSIDE	C.G.E.	289147	1978	230	138	75	100	125	0
UPPER SALMON	C.G.E.	289479	1982	230	13.8	53.2	70.8	88.4	0
WESTERN AVALON	PIONEER ELECTRIC	2755-3	1966	66	6.9	0.113	0	0	0
WESTERN AVALON	C.G.E.	286101	1966	230	66	15	20	25	0
WESTERN AVALON	C.G.E.	286626	1967	230	138	25	33.3	41.7	0
WESTERN AVALON	C.G.E.	287065	1969	230	138	25	33.3	41.7	0
WESTERN AVALON	C.G.E.	288178	1973	230	66	15	20	25	0
WESTERN AVALON	FEDERAL PIONEER	61-00- 69167	1989	230	138	75	100	125	0
WILTONDALE	C.G.E.	285537	1964	66	12.5	1.5	1.68		