

1 Q. Reference: Purchase Spare Transformer Paradise River, Volume II, Tab 12,
2 Page 7 and Appendix A
3 *"A new transformer would have a DP (degree of polymerization) value of around*
4 *1000 and would reach its end of life at around a DP of 200."*

5 Please provide a copy of Appendix A indicating the age of each transformer.

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8 A. Please see NP-NLH-033 Attachment 1.

Station	Transformer	Serial #	Estimated DP ¹	Age
Cat Arm	T1	6311669	451	30
Bay d'Espoir	T7	288926	526	37
Bishop's Falls	SPARE	588391	540	46
Holyrood	T2	61-00-69225	597	25
Paradise River	T1	T-60753	628	26
Happy Valley South Side	T1	227595	636	39
Bay d'Espoir	T3	293456	710	47
Corner Brook Freq Conv	T2	230814	751	48
Cat Arm	T2	6311670	758	30
Hinds Lake	T2	Jan-28	770	34
Bay d'Espoir	T4	286669	774	46
Bay d'Espoir	T6	A-3S-7764	776	45
Glenburnie	T1	A-3S-6116	787	45
Hawke's Bay	T3	T-4400-1	787	43
Hinds Lake	T1	Jan-27	788	34
Bay d'Espoir	T1	293266	813	48
Upper Salmon	T1	289479	828	32
Hawke's Bay	T2	A-3S-6119	841	45
Bottom Brook	T2	293692	847	47
Bay d'Espoir	T5	A-3S-7757	855	46
Holyrood	T1	303236	875	36
Bay d'Espoir	T2	293267	884	48
Wabush	T3	60655-1	884	29
Wiltondale	T1	285537	884	50
Western Avalon	T2	288178	905	41
South Brook	T1	286450	911	47
Holyrood	UST-3	289164	930	36
Grand Falls Freq Conv	T2	293246	945	48
Massey Drive	GT1	2755-1	945	48
Buchans	T1	293315	953	47
Happy Valley	T1 Spare	289067	953	37
Happy Valley	T2	289068	953	37
Holyrood	UST-2	WT1975-1	961	45

Station	Transformer	Serial #	Estimated DP ¹	Age
Oxen Pond	T3	A-3S-7857	961	37
Upper Salmon	T2	293234	961	48
Oxen Pond	GT1	2755-2	970	46
Oxen Pond	T1	293314	970	47
English Harbour West	T1	T-60127-1	991	34
Happy Valley North Plant	T1	300499	991	44
Muskrat Falls	T1	T-60559	1000	32
Corner Brook Freq Conv	T1	P0281D431	1003	7
Western Avalon	GT1	2755-3	1003	48
Bishop's Falls	SPARE	A-3S-6117	1016	45
Happy Valley North Plant	T2	2300500	1016	32
Coney Arm	T1	T-60549	1031	32
Hardwoods	T1	287959	1031	42
Hardwoods	T3	286852	1031	46
Holyrood	UST-1	WT1974-1	1031	45
Howley	T2	T-60513	1031	33
Massey Drive	T2	287527	1031	44
Parson's Pond	T1	288026	1031	42
Western Avalon	T1	286101	1031	48
Daniel's Harbour	T2	A-3S-6118	1047	44
Hardwoods	T5	A-3S-7430	1047	38
Stephenville	T3	B-3S-7561	1047	39
Wabush	T1	292003	1047	52
Wabush	T2	292004	1047	52
Cat Arm	SST1	L0111-1	1066	30
Plum Point	T1	95.2.4021	1066	19
Western Avalon	T4	286167	1066	45
Bishop's Falls	SPARE	293369	1089	47
Farewell Head	T1	T-60752	1089	26
Fogo	T1	9.31E+08	1089	
Hawke's Bay	T1	22340	1089	38

Station	Transformer	Serial #	Estimated DP ¹	Age
Holyrood	T5	A-3S-7520	1089	45
Holyrood	T7	287064	1089	45
Jackson's Arm	T1	T-60509	1089	33
Roddiction Wood Chip Plant	T2	T-60757-1	1089	26
Stephenville	T1	A-3S-7381	1089	39
Bay d'Espoir	T10	A-3S-7380	1100	38
Bay d'Espoir	T11	A-3S-7203	1100	44
Bay d'Espoir	T12	61-00- 68904	1100	26
Bear Cove	T1	95.2.4022	1100	19
Berry Hill	T1	95.2.4099	1100	18
Bishop's Falls	SPARE	4082624	1100	25
Bishop's Falls	SPARE	2-308013	1100	34
Bishop's Falls	SPARE	G4751-1	1100	38
Bishop's Falls	SPARE	T-60754	1100	26
Bottom Brook	T1	286625	1100	47
Bottom Brook	T3	61-00- 68607	1100	27
Buchans	GT1	Jan-18	1100	48
Buchans	SPARE	A-3S-7291	1100	41
Buchans	T2	2-350433	1100	31
Cat Arm	SST2	L0111-2	1100	30
Come By Chance	T1	B-3S-7548	1100	42
Come By Chance	T2	A-3S-7548	1100	42
Cow Head	T1	3674-1	1100	36
Daniel's Harbour	T1	B-3S-6118	1100	44
Deer Lake	T1	66310	1100	34
Deer Lake	T2	42511	1100	31
Doyles	T1	61-00- 69224	1100	25
Grand Falls Freq Conv	T1	293247	1100	48
Grandy Brook	T1	61-00- 68608	1100	27

Station	Transformer	Serial #	Estimated DP ¹	Age
Hampden	T1	T-60508	1100	33
Happy Valley	T3	A32S0153	1100	23
Happy Valley North Plant	T3	G4752-1	1100	44
Hardwoods	GT1	289112	1100	38
Hardwoods	T2	A-3S-7561	1100	38
Hardwoods	T4	61-00-6A183	1100	22
Holyrood	SST-12	WT1976-1	1100	45
Holyrood	SST3-4	A-3S-7608	1100	36
Holyrood	T10	61-00-69576	1100	24
Holyrood	T3	287198	1100	44
Holyrood	T4 (Spare)	287199	1100	44
Holyrood	T6	287065	1100	48
Holyrood	T8	61-00-68928	1100	26
Holyrood	T9	WT1977-1	1100	44
Main Brook	T1	T-60755	1100	26
Massey Drive	T1	18757-101-01	1100	16
Massey Drive	T3	A-3S-5316	1100	33
Oxen Pond	T2	289703	1100	28
P235 Mobile Substation	T1	268343	1100	41
Peter's Barren	SST	287987	1100	42
Peter's Barren	T1	95.2.4023	1100	19
Rocky Harbour	T1	2-350432	1100	31
Roddickton Wood Chip Plant	T1	T-60756	1100	27
St. Anthony Airport	SST	93-953	1100	18
St. Anthony Airport	T1	61-00-6A724	1100	18
St. Anthony Diesel Plant	T1	1.76E+09	1100	18
St. Anthony Diesel Plant	T2	1.56E+09	1100	23

Station	Transformer	Serial #	Estimated DP ¹	Age
Stephenville	GT1	A-3S-4593	1100	39
Stony Brook	T1	288894	1100	38
Stony Brook	T2	288839	1100	38
Sunnyside	T1	289147	1100	36
Sunnyside	T4	288838	1100	38
Wabush	T4	60655-2	1100	29
Western Avalon	T3	286626	1100	47
Western Avalon	T5	61-00-69167	1100	25
Barachois	T1	92-905	-	21
Bay d'Espoir	SST3	1085443	-	37
Bottom Waters	T1	A32S0121	-	24
Cat Arm	SST3	L0995-1	-	30
Change Islands	T1	9.31E+08	-	26
Churchill Falls	T31	A-35-7567	-	37
Churchill Falls	T32	A-35-7568	-	37
Conne River	T1	305960	-	39
Duck Pond	T1	E33801205	-	9
Grand Falls Freq Conv	Spare	289875	-	
Granite Canal	T1	1133321	-	12
Happy Valley	T1	60013-101-01	-	10
Holyrood Outside Service	T1	SHB1833-1	-	18
Sally's Cove	T1	93-554	-	22
Upper Salmon	Spare	RA07.0165	-	32
Wabush	T5	2-306740	-	36

Failed in Jan 2014

¹ a DP value of 1100 is assumed when no furans are present