

**Hydro Tech Reference List for Thrust Bearings with PTFE\* Lined Pads in North America & Afri**  
 (\*a.ka. Teflon™ or Floroplast-4)

Plant	Location	Number of Units	Unit Output	Unit Speed (RPM)	Load (tonne) (ton)		Pads (ea)	Pad Area (cm <sup>2</sup> ) (in <sup>2</sup> )	Pad Pressure (MPa) (psi)	Surface Speed (m/s) (ft/s)		Bearings Delivered	Year Delivered
Manitou Falls DPG	ON, Canada	5	14.6	150	286	315	8	1415 219.3	2.48 359.8	10.8 35.4	5	1999 - 2002	
Kipling DPG	ON, Canada	3	77	94.7	1396	1539	8 inner 16 outer	1641 1274 197.5 4.11	596 4.11	7.5 24.6 11.5 37.7	2	2000 - 2001	
Cameron Falls DPG	ON, Canada	7	13	120	203	224	8	1108 171.7	2.24 325.7	5.4 17.7	4	2001 - 2003	
Chenuaux DPG	ON, Canada	8	18	94.7	265	292	8	2180 337.9	1.49 216.2	5.8 19.0	2	2001	
Little Long DPG	ON, Canada	3	68	94.7	1396	1539	8 inner 16 outer	1641 1274 197.5 4.11	596 4.11	7.5 24.6 11.5 37.7	3	2003	
Welland Canal VA Tech	ON, Canada	3	5	360	45	50	8	231 35.7	2.39 347	8.4 27.5	2	2004	
Edward Hyatt GE Hydro/California DWR	CA, USA	3x Turbine 3x Pump-Turbine	3x 132 3x 141	200	591	650	12	1227 190.0	3.93 570	13.4 44	1	2005 (Not Installed)	
Caribou Falls DPG	ON, Canada	3	30.3	112.5	587	648	12	1340 207.7	3.58 519.6	10.5 34.4	4	2005 - 2007	
Abitibi Canyon DPG	ON, Canada	5	70	150	399	440	16	650 100.8	3.76 545.9	13.5 44.2	4	2005 - 2006	
DeCew DPG	ON, Canada	2	72	171.4	502	554	8	1581 245.0	3.89 564.7	10.3 33.8	3	2005 - 2008	
Alexander DPG	ON, Canada	5	13.8	150	319	352	8	1277 198.0	3.06 443.9	6.3 20.6	3	2006	
Cataract (Saco River) FPLE Maine	ME, USA	1	6.6	163.6	204	250	8	816 126.5	3.07 445.2	7.5 24.6	1	2006	
George W. Rayner Brookfield Power	ON, Canada	2	23	211.8	183	202	6	996 154.4	3.01 436.7	9.4 30.8	1	2006	
Gulf Island FPLE Maine	ME, USA	3	9	112.5	118.26	130	8	613 95	2.80 406.8	3.9 12.8	3	2007 - 2010	
Weston FPLE Maine	ME, USA	4	3	100	77	85	6	388 60.1	3.24 470.8	1.9 6.2	2	2008	
Akosombo Volta River Authority	GHANA	6	173.1	115.4	938	1034	18	1461 226.5	3.49 506.3	4.8 15.7	6	2009 - 2010	
Sir Adam Beck #1 Andritz/DPG	ON, Canada	10	45	225	297.3 189.5	327.8 377.2	16 8	539 1094 83.5 239.5	4.00 3.62 559.0 524.8	20.7 13.0 67.9 42.7	4	2010 2012	
Wyman FPLE Maine	ME, USA	4	20.8	138.5	222.43	245	10	830 128.7	2.63 381.2	8.2 26.9	3	2010-2012	
Andrews G1 Brookfield	ON, Canada	G1 G2	23.5	277	90.72	100	8	316 49.0	3.52 510.6	9.2 30.2	1	2010	
Island Falls Abitibi Bowater	ON, Canada	4	10	128.5	113.4	125	6	859 133.1	2.15 312.9	3.9 12.8	1	2011	
Rivere du Loup Algonquin Power	QC, Canada	1	2.6	400	16.3	18	6	102 15.8	2.16 314.3	4 13.1	2	2012	
Skelton Hyundai-Ideal/Brookfield	ME, USA	G1 G2	1.5	257	200	221	8	769 119.2	3.19 462.3	11.8 38.7	2	2012	
Gorge #18 Green Mtn Power	VT, USA	1	4	180	124.3	137	8	690 107.0	2.94 426.7	7.1 23.3	1	2012	
Grahamsville NYPA	NY, USA	1	18	327.3	93.25	102.8	8	471 73.0	2.43 352.0	13.6 44.6	1	2013	
Sir Adam Beck PGS DPG	ON, Canada	6	29	92.3	885.86	976.49	8	1094 169.6	4.52 655.7	4.8 15.7	7	2014 - 2017	
Cataract Kiser Hydro/Harris Energy	MI, USA	1	2	257	19.96	22	6	349 54	2.49 347	13.5 44.2	1	2015	
Harmon ON, Canada	ON, Canada	3	73	100	1424.4	1570	8 inner 16 outer	1641 1274 197.5 4.11	596 4.11	7.5 24.6 11.5 37.7	2	2015 - 2017	
Whitedog Falls DPG	ON, Canada	3	22	105.9	551.1	607.5	8	1660 257.3	4.10 590.3	12.4 40.8	3	2014 - 2017	
Seli's Ksanka Qlispe' Energy Keepers	MT, USA	3	80	112.5	449.7	495.7	8	1426 221.0	3.86 560.8	10.6 34.8	1	2016	
Androscooggin #3 Brookfield	ME, USA	1	4.1	138.5	99.23	99.8	8	518 80.3	2.35 340.8	4.8 15.7	1	2017	
Rogers Consumers Energy	MI, USA	4	1.5	150	20	22	6	286 44.3	1.14 166.4	5.0 16.4	2	2016	
Rumford Brookfield	ME, USA	5	8.6	200	105	115	6	512 79.4	3.35 485.9	6.4 20.8	1	2018	
Paton Ville De Sherbrooke	QC, Canada	1	1.7	180	34.0	37.5	6	237 36.7	2.34 339.4	3.9 12.8	1	2018	
Ear Falls DPG	ON, Canada	4	4.2	180	98.0	108	6	598 92.7	2.68 388.7	6.8 22.3	1	Pending	