K1.5

APPENDIX 2-A – DISTRIBUTION SYSTEM PLAN

TABLE OF CONTENTS

Type of Project	2014	2015	2016	2017	2018	2019	2020	2021
microFIT Solar PV-≤10kW	7	8	6	6	6	6	6	6
microFIT Wind-≤10kW	0	0	1	0	0	0	0	0
FIT->10kW-≤250kW	2	0	2	1	1	1	1	1
FIT->250kW-≤500kW	1	1	1	0	1	0	1	0

5.4.3.3 REG Connection Capacity (MW)

E.L.K. has system capacity and will be able to accommodate the **REG** connections within the five-year planning period. **Please refer to Table located in 5.4.3.4 below**.

5.4.3.4 REG Constraints

There may however, be limitations with respect to the transmission and distribution stations owned by Hydro One. **E.L.K.** Energy will continue to offer microFIT connections until formally notified otherwise by Hydro One. FIT connections are subject to impact assessments which will identify any issues prior to an offer to connect.

E.L.K. Energy Inc. has established limits for the amount of generation on each of its seven 27.6kV M class feeders and two 8.13kV F class feeders. These capacities are based on 10% and 7% respectively of the feeders peak load. The Peak Load and Available Generation Capacity are noted in Table 1 below:

Station	Feeder	Voltage (kV)	Peak Load (kW)	Capacity Allowance (%)	Generation Capacity (kW)	Existing Generation (kW)	Available Generation Capacity (kW)	Known FIT Projects (kW)
Belle River TS	M4	27.6	7697	10	770	485.83	284.17	859.65
Haycroft DS	F3	8.13	1402	7	98	80	0	10
Kingsville TS	M1	27.6	9927	10	993	0	993	133
Kingsville TS	M5	27.6	17566	10	1757	0	1757	1,177.41
Kingsville TS	M7	27.6	12225	10	1223	0	1223	520
Kingsville TS	M10	27.6	2,126	10	213	249.5	0	472.175
Lauzon TS	M24	27.6	7,888	10	789	31.2	757.8	195
Lauzon TS	M29	27.6	8,824	10	882	7.41	874.59	190

5.4.3.5 Embedded Distributor Constraints

E.L.K. has no embedded distributors.