TransPower Company
Saving Energy and Our Environment

Case Study

MPTS Technology

Lindy's Flowers – Exporter of Flowers

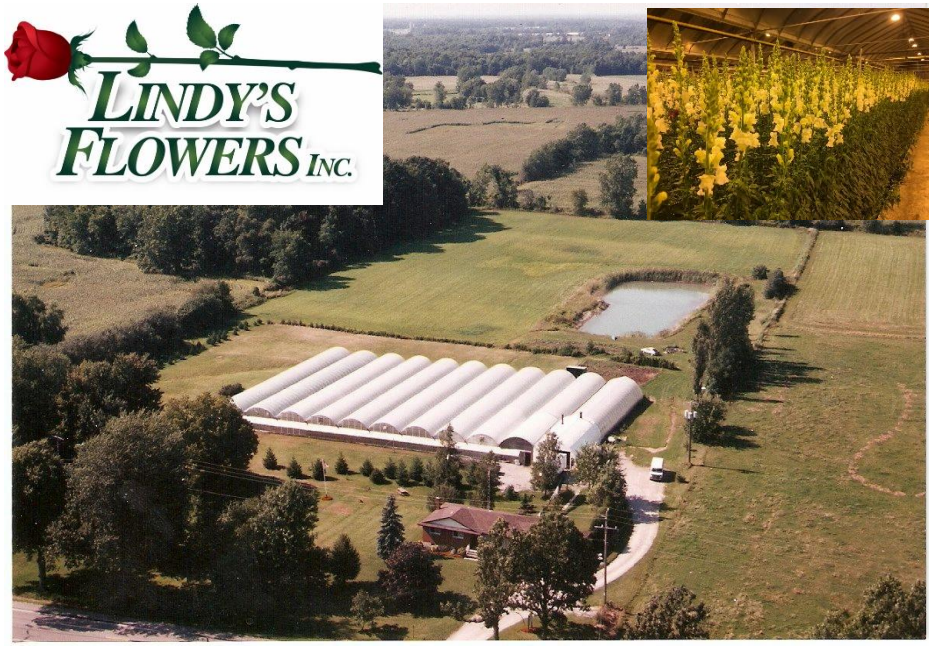
Client

In 1980, John and Wilma Lindeboom established Lindy's Flowers, outside of the quaint town of Dunnville, Ontario, Canada. The first 5 years were spent growing chrysanthemums, but the 6th year a transition was made to growing cut roses. In 2017 snapdragons were added to the roses on the growing list. The growing area started at 10,000 square feet, but now has been increased to 120,000 square feet. In 2017, after 38 years in the floral industry, John and Wilma passed the business over to their son and daughter-in-law, Scott and Becky Lindeboom.

In 2014, friends of the Lindeboom' s suggested that they install an MPTS unit to improve the efficiency of their electrical network. A MPTS 100 Amp unit was added to their electrical network, those results are attached:
In 2017 the size of the MPTS unit was increased to a MPTS 225 Amp unit.



LINDY'S FLOWERS INC.



Growing spray roses and snapdragons in the Canadian climate presents its challenges. To grow in these conditions, Lindy's Flowers uses supplementary lighting, energy curtains and high efficiency heating systems to simulate optimum growing conditions.
Lindy's Flowers continues to use the MPTS Technology for Clean and Stable Power for their operations.

Lindy's Flowers – Grow Facility

Exporting roses worldwide



One MPTS 100 is installed the main electrical panel - 2014

Utility Meter Data

Meter Data

Meter: 200510680 - Lindys Flowers Avail. Dates: 20080212 - 20160211

Interval: 60min

Date (yyyyMMdd): 20160211 V

Time Of Use Window: All Intervals / Ontario 7-7 (Network) / Ontario RPP Mid-Peak / Ontario RPP Off-Peak / Ontario RPP On-Peak

Report Format: Table

Power Factor

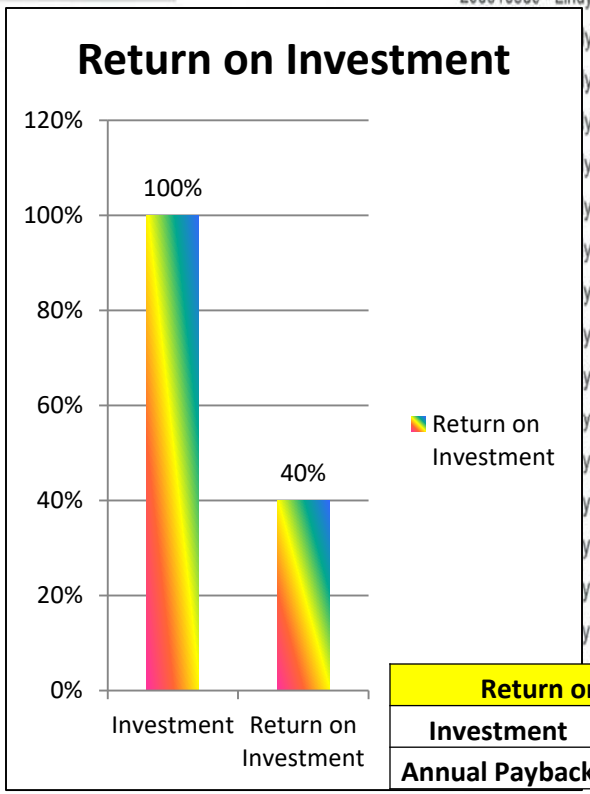
Meter	Interval Ending	KWH	KVarH	KVAH	LA KWH	90%KVAH	PF
200510680 - Lindys Flowers	2016/02/11 01:00	310.01	0	310.01	330.31	279.[illegible]	100
200510680 - Lindys Flowers	2016/02/11 02:00	310.54	0	310.54	330.88	279.[illegible]	100
200510680 - Lindys Flowers	2016/02/11 03:00	212.04	5.28	212.11	225.93	190.[illegible]	99.97
200510680 - Lindys Flowers	2016/02/11 04:00	202.85	7.32	202.98	216.13	182.[illegible]	99.93
200510680 - Lindys Flowers	2016/02/11 05:00	210.86	6.82	210.97	224.68	189.[illegible]	99.95
200510680 - Lindys Flowers	2016/02/11 06:00	207.94	6.89	208.05	221.56	187.[illegible]	99.95
200510680 - Lindys Flowers	2016/02/11 07:00	184.22	5.95	184.32	196.29	165.[illegible]	99.95
[illegible]ys Flowers	2016/02/11 08:00	38.33	4.9	38.64	40.84	34.[illegible]	99.19
[illegible]ys Flowers	2016/02/11 09:00	41.38	4.2	41.59	44.09	37.[illegible]	99.49
[illegible]ys Flowers	2016/02/11 10:00	42.07	6.1	42.51	44.83	38.[illegible]	98.97
[illegible]ys Flowers	2016/02/11 11:00	43.82	6.24	44.27	46.69	39.[illegible]	99
[illegible]ys Flowers	2016/02/11 12:00	40.87	5.23	41.21	43.55	37.[illegible]	99.19
[illegible]ys Flowers	2016/02/11 13:00	39.7	5.09	40.02	42.3	36.[illegible]	99.19
[illegible]ys Flowers	2016/02/11 14:00	32.4	5.38	32.84	34.52	29.[illegible]	98.65
[illegible]ys Flowers	2016/02/11 15:00	31.63	3.96	31.88	33.7	28.[illegible]	99.23
[illegible]ys Flowers	2016/02/11 16:00	34.7	5.54	35.14	36.98	31.[illegible]	98.75
[illegible]ys Flowers	2016/02/11 17:00	36.89	4.87	37.21	39.3	33.[illegible]	99.14
[illegible]ys Flowers	2016/02/11 18:00	41.42	5.66	41.81	44.14	37.[illegible]	99.08
[illegible]ys Flowers	2016/02/11 19:00	37.06	4.63	37.34	39.48	33.[illegible]	99.23
[illegible]ys Flowers	2016/02/11 20:00	37.92	5.16	38.27	40.4	34.[illegible]	99.09
[illegible]ys Flowers	2016/02/11 21:00	31.66	4.97	32.04	33.73	28.[illegible]	98.79
[illegible]ys Flowers	2016/02/11 22:00	31.15	5.28	31.6	33.19	28.[illegible]	98.59
[illegible]	[illegible]	[illegible].34	5.62	33.81	35.52	30.[illegible]	98.61
[illegible]	[illegible]	[illegible].96	5.5	31.44	32.99	28.[illegible]	98.46
[illegible]	[illegible]	[illegible].76	120.59	2270.6	2412.03	2043.[illegible]	99.2666666666667

Total Amperes	Amps
Without MPTS	56
with MPTS	46
Decrease in Amps	10

Demand Kilowatts	KVA
Without MPTS	58
with MPTS	48
Decrease in KVA	10

PF Improvement	Power Factor
Without MPTS	0.81
With MPTS	0.98

Total KVAR	KVAR
Without MPTS	34
with MPTS	10
Decrease in KVAR	25



Return on Investment	
Investment	$ 30,000.00
Annual Payback	$ 12,133.00

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MPTS Technology

Power Quality Improvement Solution:
MPTS - 21st Century power quality improvement Technology



MPTS, maximum power transfer solutions, are next generation power quality products that **decrease the Electrical Demand, Total Electrical Power requirement or Generation (KVA) and the Carbon Foot Print without** replacing/retrofitting inefficient electrical and mechanical equipment by cleaning and recycling wasted electrical power in the electrical network – a renewable energy solution inside the building!