



## **PowerStream List of Station Capacity**

As per Distribution System Code this list represents the Allocated Capacity on stations owned by PowerStream as of February 1<sup>st</sup>, 2012. Allocated Capacity represents the total nameplate capacity of generation on the specified feeder. Projects must have a completed Connection Impact Assessment or a Service Design to contribute to allocated capacity.

The actual capacity available on the network depends upon the conditions of the equipment installed near the connection point and will be determined when the generator applies for a Connection Impact Assessment.

This document will be updated each month. Please check at the end of this document for a glossary of terms.

### Vaughan MTS # 1

**Voltage (kV): 27.6**

**Minimum Load (MW): 22.25**

**Short Circuit Capacity (MVA): 191**

**Thermal Capacity (MW) (A + B Bus) = 13.6**

Bus Capacity (MW)	A = 6.8						B = 6.8						
	Feeder (27.6kV)	M1	M3	M5	M7	M9	M11	M4	M6	M8	M10	M12	M14
Allocated Capacity (MW)		0.55555	0.00825			0.225	0.008325		0.288815	1.20988	0.75	0.03175	1

### Vaughan MTS # 1E

**Voltage (kV): 27.6**

**Minimum Load (MW): 27.46**

**Short Circuit Capacity (MVA): 173**

**Thermal Capacity (MW) (C + D Bus) = 97.5**

Feeder (27.6kV)	M15	M17	M19	M21	M23	M25	M16	M18	M20	M22	M24	M26
Allocated Capacity (MW)	0.25258	0.2		0.03071				1.15		0.347305		

### Vaughan MTS # 2

**Voltage (kV): 27.6**

**Minimum Load (MW): 48.38**

**Short Circuit Capacity (MVA): 175**

**Thermal Capacity (MW) (A + B Bus) = 10.2**

Bus Capacity (MW)	A = 5.1						B = 5.1						
	Feeder (27.6kV)	M1	M3	M5	M7	M9	M11	M2	M4	M6	M8	M10	M12
Allocated Capacity (MW)	N/A	0.66			0.1	0.13975	0.0099		0.006825	0.415	0.755	1.07057	N/A

**Vaughan MTS # 3**

**Voltage (kV): 27.6**

**Minimum Load (MW): 51.03**

**Short Circuit Capacity (MVA): 174**

**Thermal Capacity (MW) (A + B Bus) = 125.5**

Feeder (27.6kV)	M1	M3	M5	M7	M9	M11	M2	M4	M6	M8	M10	M12
Allocated Capacity (MW)	0.00161	2	0.468775		0.02621	0.159425		0.02825	1.972	0.45585	0.2599	0.006835

**Richmond Hill MTS # 1**

**Voltage (kV): 27.6**

**Minimum Load (MW): 62.10**

**Short Circuit Capacity (MVA): 213**

**Thermal Capacity (MW) (A + B Bus) = 12**

Bus Capacity (MW)	A = 6						B = 6					
Feeder (27.6kV)	M1	M3	M5	M7	M9	M11	M2	M4	M6	M8	M10	M12
Allocated Capacity (MW)	0.05577	0.01	0.015	0.26275	0.608	0.1	0.0249	0.04602	0.01	0.0286	0.47231	0.01545

**Richmond Hill MTS # 2**

**Voltage (kV): 27.6**

**Minimum Load (MW): 43.11**

**Short Circuit Capacity (MVA): 209**

**Thermal Capacity (MW) (C + D Bus) = 48**

Feeder (27.6kV)	M1	M3	M5	M7	N/A	N/A	M2	M4	M6	M8	N/A	N/A
Allocated Capacity (MW)	0.35085	0.09909	0.02714	0.4857			0.02418			0.25		

**Markham MTS # 1**

Voltage (kV): 27.6

Minimum Load (MW): 14.65

Short Circuit Capacity (MVA): Under Review

Thermal Capacity (MW) (B + Y Bus) = 56

Feeder (27.6kV)	M1	M3	M5	M7	N/A	N/A	M2	M4	M6	M8	N/A	N/A
Allocated Capacity (MW)	0.127955	0.16752					0.584	0.0068	0.4773	0.1		

**Markham MTS # 2**

Voltage (kV): 27.6

Minimum Load (MW): 32.50

Short Circuit Capacity (MVA): Under Review

Thermal Capacity (MW) (J + Q Bus) = 56

Feeder (27.6kV)	M1	M3	M5	M7	N/A	N/A	M2	M4	M6	M8	N/A	N/A
Allocated Capacity (MW)	0.01405	0.124365	0.3083	0.091905			0.12723	0.02089	0.68	0.02		

**Markham MTS # 3**

Voltage (kV): 27.6

Minimum Load (MW): 35.97

Short Circuit Capacity (MVA): 2

Thermal Capacity (MW) (E + Z Bus) = 102.4

Feeder (27.6kV)	M1	M3	M5	M7	N/A	N/A	M2	M4	M6	M8	N/A	N/A
Allocated Capacity (MW)	0.00785	0.01622		0.01			0.40434			0.01822		

**Markham MTS # 3E**

**Voltage (kV): 27.6**

**Minimum Load (MW): 23.63**

**Short Circuit Capacity (MVA): 2**

**Thermal Capacity (MW) (J + Y Bus) = 89.6**

Feeder (27.6kV)	M11	M13	M15	M17	N/A	N/A	M12	M14	M16	M18	N/A	N/A
Allocated Capacity (MW)	0.01355	0.005	0.1				0.01988	0.02844	0.45	0.2596		

**Markham MTS # 4**

**Voltage (kV): 27.6**

**Minimum Load (MW): 15**

**Short Circuit Capacity (MVA): 159**

**Thermal Capacity (MW) (P + R Bus) = 97.5**

Feeder (27.6kV)	M1	N/A	N/A	N/A	N/A	N/A	M2	M4	N/A	N/A	N/A	N/A
Allocated Capacity (MW)							0.1	0.65				

## **Glossary**

**Allocated Capacity** – The total nameplate capacity of generation on the specified feeder. Projects must have a completed Connection Impact Assessment to contribute to allocated capacity.

**Feeder** – The designation for the feeder connected to the associated distribution bus.

**Minimum Load** – The lowest load that we can reasonably expect to experience on the bus.

**Short Circuit Capacity** – The maximum amount of short circuit contribution that a generator can add to a station bus before short circuit limits are exceeded.

**Thermal Capacity** – The estimated amount of generation that can be connected to a bus before exceeding the reverse flow limits of the transformer.

**Voltage** – The nominal voltage level of the distribution feeder.