

Eversource New Hampshire
Illustration #4 - Calculation of Rate LG Billing Demand
(Actual Data from a Gravel Operation Customer in New Hampshire)

Assumes energy efficiency results in 20% reduction in demand when gravel pit is in operation. Reduction begins in April 2016.

* There is also a decrease in the ratchet demand *

	Maximum Demand				Max (1) & (2) & (3)				Rate LG Billing Demand
	On Peak		Off Peak		(1) On Peak KVA	(2) 50% of Off Peak KVA	(3) Max of (1) & (2) Ratchet Demand		
	Kilowatt (KW)	Kilovolt-ampere (KVA)	Kilowatt (KW)	Kilovolt-ampere (KVA)					
Dec-17	36.5	41.3	38.5	43.1	41.3	21.6	41.3	215.9	216.0
Nov-17	1,039.6	1,269.8	202.0	308.2	1,269.8	154.1	1,269.8	193.9	1,270.0
Oct-17	1,025.6	1,242.3	868.8	1,082.6	1,242.3	541.3	1,242.3	98.6	1,242.0
Sep-17	990.0	1,088.8	134.0	179.0	1,088.8	89.5	1,088.8	98.6	1,089.0
Aug-17	1,018.8	1,108.1	96.4	124.2	1,108.1	62.1	1,108.1	98.6	1,108.0
Jul-17	952.0	1,055.9	98.4	99.5	1,055.9	49.8	1,055.9	98.6	1,056.0
Jun-17	1,013.6	1,123.3	138.4	167.7	1,123.3	83.8	1,123.3	77.8	1,123.0
May-17	1,000.8	1,097.2	159.2	161.8	1,097.2	80.9	1,097.2	59.8	1,097.0
Apr-17	881.6	971.5	67.2	106.5	971.5	53.2	971.5	59.8	972.0
Mar-17	34.0	35.2	36.5	37.5	35.2	18.8	35.2	59.8	60.0
Feb-17	34.5	35.9	31.5	32.9	35.9	16.5	35.9	59.8	60.0
Jan-17	37.0	38.5	36.0	37.8	38.5	18.9	38.5	59.8	60.0
Dec-16	1,016.0	1,074.7	773.6	822.3	1,074.7	411.2	1,074.7	57.0	1,075.0
Nov-16	972.0	1,033.8	883.2	941.6	1,033.8	470.8	1,033.8	179.8	1,034.0
Oct-16	1,008.8	1,071.3	208.8	236.2	1,071.3	118.1	1,071.3	179.8	1,071.0
Sep-16	847.2	889.9	89.6	106.4	889.9	53.2	889.9	179.8	890.0
Aug-16	917.6	972.4	118.8	138.3	972.4	69.2	972.4	189.4	972.0
Jul-16	909.6	948.1	117.6	128.8	948.1	64.4	948.1	189.4	948.0
Jun-16	947.6	1,005.8	152.0	197.8	1,005.8	98.9	1,005.8	203.8	1,006.0
May-16	835.6	859.7	87.6	96.6	859.7	48.3	859.7	203.8	860.0
Apr-16	552.4	560.5	53.2	73.7	560.5	36.8	560.5	203.8	560.0
Mar-16	55.5	59.5	39.5	40.7	59.5	20.4	59.5	203.8	204.0
Feb-16	45.5	46.7	40.0	41.1	46.7	20.6	46.7	203.8	204.0
Jan-16	48.0	54.0	49.0	54.4	54.0	27.2	54.0	203.8	204.0

Ratchet Demand for December 2017
80% of (Maximum of previous 11 months less 1,000 KVA)
.80 X (1,269.84 - 1,000) = 215.9

Current Year
Maximum KVA: 1,269.84
Minimum KVA: 35.20
Difference: 1,234.64
97% Difference