Summary Energy Performance Report

Number of facilities: 3

	Year ending 10/2009
Total Floorspace (sq. ft.)	351,300
Average Rating	42
Number of Facilities with a Rating	2
Number of Non-ratable Facilities*	1
Total Site Energy Use (kBtu)	15,667,042
Total Weather Normalized Source Energy Use (kBtu)	61,701,872
Average Weather Normalized Source Energy Intensity (kBtu/Sq. Ft.)	175.6
Average Site Energy Intensity (kBtu/Sq. Ft.)	44.6
Total Site Electric Use (kWh)	1,556,008
Total Site Natural Gas Use (Therms)	103,579
Average Actual Annual Source Energy Intensity (kBtu/Sq. Ft.)	81.3

*Non-ratable buildings are defined as buildings that currently are ineligible to receive the ENERGY STAR rating due to its operating characterisitcs and/or building type.

Summary Energy Performance Report

Facility Name	Facility Address	Year ending 10/2009 Facility Floorspace	Year ending 10/2009 Rating	Year ending 10/2009 Average Site Energy Intensity (kBtu/Sq. Ft.)	Year ending 10/2009 Average Weather Normalized Source Energy Intensity (kBtu/Sq. Ft.)	Year ending 10/2009 Site Electric Use (kWh)	Year ending 10/2009 Site Natural Gas Use (Therms)
Northern Valley Regional HS- Administrative Offices	162 Knickerbocker Road Demarest, NJ 07627	9500	66	55.1	130.9	90,529	2,144
Northern Valley Regional HS- Demarest	150 Knickerbocker Road Demarest, NJ 07627	164000	N/A	0	0	0	0
Northern Valley Regional HS- Old Tappan	100 Central Avenue Old Tappan, NJ 07675	177800	41	85.2	143	1,465,480	101,436

Summary Energy Performance Report

Number of facilities: 3

	Year ending 8/2009
Total Floorspace (sq. ft.)	351,300
Average Rating	8
Number of Facilities with a Rating	1
Number of Non-ratable Facilities*	2
Total Site Energy Use (kBtu)	24,269,753
Total Weather Normalized Source Energy Use (kBtu)	61,068,181
Average Weather Normalized Source Energy Intensity (kBtu/Sq. Ft.)	173.8
Average Site Energy Intensity (kBtu/Sq. Ft.)	69.1
Total Site Electric Use (kWh)	1,380,991
Total Site Natural Gas Use (Therms)	195,578
Average Actual Annual Source Energy Intensity (kBtu/Sq. Ft.)	103.1

*Non-ratable buildings are defined as buildings that currently are ineligible to receive the ENERGY STAR rating due to its operating characterisitcs and/or building type.

Summary Energy Performance Report

Facility Name	Facility Address	Year ending 8/2009 Facility Floorspace	Year ending 8/2009 Rating	Year ending 8/2009 Average Site Energy Intensity (kBtu/Sq. Ft.)	Year ending 8/2009 Average Weather Normalized Source Energy Intensity (kBtu/Sq. Ft.)	Year ending 8/2009 Site Electric Use (kWh)	Year ending 8/2009 Site Natural Gas Use (Therms)
Northern Valley Regional HS- Administrative Offices	162 Knickerbocker Road Demarest, NJ 07627	9500	N/A	0	0	0	0
Northern Valley Regional HS- Demarest	150 Knickerbocker Road Demarest, NJ 07627	164000	8	148	214.2	1,380,991	195,578
Northern Valley Regional HS- Old Tappan	100 Central Avenue Old Tappan, NJ 07675	177800	N/A	0	0	0	0

Buildings	Electric				Natural Gas			
	Account	Annual Consumption kWh	Annual Cost	$ / kWh	Account	Annual Consumption Therms	Annual Cost	$ / Therm
NVRHS- Adminstrative Bldg	94361-80003	90,240	$ 16,092.95	$0.178	11/ 65 198 605-00	2,165	$ 3,376.01	$1.559
NVRHS- Demarest	45590-24005	374,000	$ 71,282.56	$0.191	41 445 025 19	190,070	$ 246,838.73	$1.299
NVRHS- Demarest	57789-5900	1,011,840	$ 175,747.71	$0.174	19/ 66596495-06	518	$ 768.75	$1.484
NVRHS- Demarest	94571-80003	3,168	$ 552.63	$0.174				
DEMAREST AVERAGES				**$0.180**				**$1.391**
NVRHS- Old Tappan	68048-47001	1,450,200	$ 241,314.47	$0.166	66264014-08	100,056	$ 151,688.28	$1.516
NVRHS- Old Tappan	73298-47008	9,952	$ 1,341.19	$0.135				
OLD TAPPAN AVERAGES				**$0.151**				
TOTAL / AVERAGE		**2,939,400**	**$ 506,331.51**	**$0.172**		**292,809**	**$ 402,671.77**	**$1.375**

Facility Name	Northern Valley Regional High School Administrative Offices	
Company	PSE&G	Hess
Account#	41 458 168-11/65 198 605-00	446654-447349
Meter#	3152983	
Tariff/Rate	Basic Gas Supply Service (BGSS)	

Energy Type	Energy Unit	Start Date	End Date	Demand KW	KWH	Delivery Cost	Supply Cost	$/Therms
Natural Gas	Therms	10/15/2009	11/14/2009	NA	218	$97.42	88.28	$0.852
Natural Gas	Therms	9/15/2009	10/14/2009	NA	20	$16.47	23.71	$2.009
Natural Gas	Therms	8/15/2009	9/14/2009	NA	14	$14.47	16.28	$2.196
Natural Gas	Therms	7/15/2009	8/14/2009	NA	13	$14.09	14.97	$2.235
Natural Gas	Therms	6/15/2009	7/14/2009	NA	15	$14.71	17.48	$2.146
Natural Gas	Therms	5/15/2009	6/14/2009	NA	17	$15.36	19.88	$2.073
Natural Gas	Therms	4/15/2009	5/14/2009	NA	74	$33.08	88.6	$1.644
Natural Gas	Therms	3/15/2009	4/14/2009	NA	185	$67.41	221.63	$1.562
Natural Gas	Therms	2/15/2009	3/14/2009	NA	356	$153.60	426.49	$1.629
Natural Gas	Therms	1/15/2009	2/14/2009	NA	525	$221.96	628.36	$1.620
Natural Gas	Therms	12/15/2008	1/14/2009	NA	401	$169.78	480.13	$1.621
Natural Gas	Therms	11/15/2008	12/14/2008	NA	327	$140.08	391.77	$1.626
		TOTAL/AVERAGE		NA	2,165	$958.43	$2,417.58	$1.559

Facility Name	Northern Valley Regional High School Administrative Offices
Company	Rockland Electric
Account#	94361-80003
Meter#	
Tariff/Rate	Small C &I General Service Secondary

Energy Type	Energy Unit	Start Date	End Date	Demand KW	KWH	Cost	$/kWh
Electric	kWh	10/2/2009	11/5/2009	27.0	6,660	$1,119.25	$0.168
Electric	kWh	9/3/2009	10/2/2009	31.8	7,080	$1,312.60	$0.185
Electric	kWh	8/6/2009	9/3/2009	36.0	8,280	$1,515.51	$0.183
Electric	kWh	7/8/2009	8/5/2009	34.8	7,560	$1,460.71	$0.193
Electric	kWh	6/8/2009	7/8/2009	37.8	8,550	$1,661.59	$0.194
Electric	kWh	5/5/2009	6/8/2009	37.8	7,470	$1,442.56	$0.193
Electric	kWh	4/6/2009	5/5/2009	35.1	12,960	$2,296.71	$0.177
Electric	kWh	3/9/2009	4/6/2009	29.6	7,110	$1,118.72	$0.157
Electric	kWh	2/6/2009	3/9/2009	29.6	4,680	$886.47	$0.189
Electric	kWh	1/8/2009	2/5/2009	29.6	6,840	$977.10	$0.143
Electric	kWh	12/9/2008	1/8/2009	29.6	5,490	$1,009.05	$0.184
Electric	kWh	11/6/2008	12/9/2008	29.6	7,560	$1,292.68	$0.171
		TOTAL/AVERAGE		32.4	90,240	$16,092.95	$0.178

Facility Name	Demarest -Northern Valley RHS	*Please note the following NOT METERED or LIGHTING*
Account#	07988-48003	*Electrical accounts are not included*
Account#	93941-80001	
Account#	04281-07008	
Account#	00120-43006	
Account#	94151-80003	

Facility Name	Demarest -Northern Valley RHS	
Company	PSE&G	Hess
Account#	41 445 025 19	446654/491649
Meter#	2344516.2434499	
Tariff/Rate	Basic Gas Supply Service (BGSS)	

Energy Type	Energy Unit	Start Date	End Date	Demand KW	Therms	Delivery Cost	Supply Cost	$/Therms
Natural Gas	Therms	10/13/2009	11/11/2009	NA	5,477	$2,591.00	5991.97	$1.567
Natural Gas	Therms	9/15/2009	10/13/2009	NA	1,034	$218.87	1244.39	$1.415
Natural Gas	Therms	8/12/2009	9/15/2009	NA	25,463	$2,717.81	30640.75	$1.310
Natural Gas	Therms	7/9/2009	8/12/2009	NA	1,527	$241.14	1759.17	$1.310
Natural Gas	Therms	6/9/2009	7/8/2009	NA	1,297	$222.08	1310.45	$1.182
Natural Gas	Therms	5/11/2009	6/8/2009	NA	821	$189.69	988.52	$1.435
Natural Gas	Therms	4/8/2009	5/11/2009	NA	935	$201.43	1125.61	$1.419
Natural Gas	Therms	2/10/2009	4/8/2009	NA	3,349	$542.40	4030.21	$1.365
Natural Gas	Therms	1/9/2009	2/9/2009	NA	64,634	$20,291.77	64067.33	$1.305
Natural Gas	Therms	11/13/2008	1/9/2009	NA	69,712	$21,136.69	64000	$1.221
Natural Gas	Therms	10/15/2008	11/13/2008	NA	7,298	$4,272.69	7954.58	$1.675
Natural Gas	Therms	9/15/2008	10/15/2008	NA	8,523	$820.38	10279.8	$1.302
		TOTAL/AVERAGE		**NA**	**190,070**	**$53,445.95**	**$193,392.78**	**$1.299**

Facility Name	Demarest -Northern Valley RHS	
Company	PSE&G	Hess
Account#	41445052-19/66596495-06	446654/491822
Meter#	3093148	
Tariff/Rate	Basic Gas Supply Service (BGSS)	

Energy Type	Energy Unit	Start Date	End Date	Demand KW	Therms	Delivery Cost	Supply Cost	$/Therms
Natural Gas	Therms	8/15/2009	9/14/2009	NA	85	$44.78	0	$0.527
Natural Gas	Therms	7/15/2009	8/14/2009	NA	58	$33.86	0	$0.584
Natural Gas	Therms	6/15/2009	7/14/2009	NA	5	$11.79	0	$2.358
Natural Gas	Therms	5/15/2009	6/14/2009	NA	0	$30.36	0	Flat rate
Natural Gas	Therms	4/15/2009	5/14/2009	NA	0	$10.12	0	Flat rate
Natural Gas	Therms	3/15/2009	4/14/2009	NA	49	$25.29	58.91	$0.516
Natural Gas	Therms	2/15/2009	3/14/2009	NA	116	$55.90	139.61	$0.482
Natural Gas	Therms	1/15/2009	2/14/2009	NA	176	$108.61	182.59	$0.617
Natural Gas	Therms	12/15/2008	1/14/2009	NA	0	$0.00	0	$0.000
Natural Gas	Therms	11/15/2008	12/14/2008	NA	0	$0.00	0	$0.000
Natural Gas	Therms	10/15/2008	11/14/2008	NA	28	$21.21	34.25	$0.758
Natural Gas	Therms	9/15/2008	10/15/2008	NA	1	$10.24	1.23	$1.230
		TOTAL/AVERAGE		**NA**	**518**	**$352.16**	**$416.59**	**$0.680**

Facility Name Demarest -Northern Valley RHS
Company Rockland Electric
Account# 94571-80003
Meter#
Tariff/Rate GSS - General Service Secondary

Energy Type	Energy Unit	Start Date	End Date	Demand KW	KWH	Cost	$/kWh
Electric	kWh	8/8/2009	9/8/2009	1.7	291	$51.02	$0.175
Electric	kWh	7/8/2009	8/7/2009	1.8	227	$44.56	$0.196
Electric	kWh	6/8/2009	7/7/2009	2.8	365	$66.00	$0.181
Electric	kWh	5/8/2009	6/7/2009	3.9	500	$83.99	$0.168
Electric	kWh	4/8/2009	5/7/2009	3.2	395	$63.39	$0.160
Electric	kWh	3/8/2009	4/7/2009	3.3	326	$48.45	$0.149
Electric	kWh	2/8/2009	3/7/2009	2.7	101	$21.36	$0.211
Electric	kWh	1/8/2009	2/7/2009	2.7	106	$19.06	$0.180
Electric	kWh	12/8/2008	1/8/2009	2.7	114	$23.46	$0.206
Electric	kWh	11/8/2008	12/7/2008	2.7	153	$29.12	$0.190
Electric	kWh	10/8/2008	11/7/2008	2.7	285	$47.27	$0.166
Electric	kWh	9/8/2008	10/7/2008	2.7	305	$54.95	$0.180
		TOTAL/AVERAGE		2.7	3,168	$552.63	$0.174

Facility Name Demarest -Northern Valley RHS
Company Rockland Electric
Account# 57789-5900
Meter#
Tariff/Rate Large Commercial -Primary over 200 KW

Energy Type	Energy Unit	Start Date	End Date	Demand KW	KWH	Cost	$/kWh
Electric	kWh	8/5/2009	9/8/2009	352.8	77,520	$14,224.50	$0.183
Electric	kWh	7/8/2009	8/5/2009	355.2	62,400	$13,009.21	$0.208
Electric	kWh	6/8/2009	7/7/2009	432.0	100,560	$19,267.51	$0.192
Electric	kWh	5/8/2009	6/7/2009	326.4	92,160	$16,444.52	$0.178
Electric	kWh	4/8/2009	5/7/2009	333.6	66,480	$12,053.59	$0.181
Electric	kWh	3/8/2009	4/7/2009	304.8	75,360	$11,776.11	$0.156
Electric	kWh	2/8/2009	3/7/2009	422.4	99,360	$16,936.53	$0.170
Electric	kWh	1/8/2009	2/7/2009	324.0	92,880	$12,537.47	$0.135
Electric	kWh	12/8/2008	1/7/2009	302.4	80,640	$13,596.01	$0.169
Electric	kWh	11/8/2008	12/7/2008	302.4	90,720	$15,035.40	$0.166
Electric	kWh	10/6/2008	11/7/2008	302.4	89,040	$14,635.00	$0.164
Electric	kWh	9/8/2008	10/6/2008	396.0	84,720	$16,231.86	$0.192
		TOTAL/AVERAGE		346.2	1,011,840	$175,747.71	$0.174

Facility Name Demarest -Northern Valley RHS
Company Rockland Electric
Account# 45590-24005
Meter#
Tariff/Rate Large Commercial -Primary over 200 KW

Energy Type	Energy Unit	Start Date	End Date	Demand KW	KWH	Cost	$/kWh
Electric	kWh	8/8/2009	9/7/2009	116.0	74,000	$7,537.76	$0.102
Electric	kWh	7/8/2009	8/7/2009	136.0	20,400	$3,983.92	$0.195
Electric	kWh	6/8/2009	7/7/2009	136.0	34,400	$6,494.21	$0.189
Electric	kWh	5/8/2009	6/7/2009	136.0	28,800	$5,470.51	$0.190
Electric	kWh	4/8/2009	5/7/2009	160.0	26,000	$4,999.54	$0.192
Electric	kWh	3/8/2009	4/7/2009	142.8	23,200	$4,093.35	$0.176
Electric	kWh	2/8/2009	3/7/2009	142.8	26,400	$4,795.08	$0.182
Electric	kWh	1/8/2009	2/7/2009	142.8	27,600	$4,171.83	$0.151
Electric	kWh	12/8/2008	1/7/2009	142.8	24,000	$4,547.02	$0.189
Electric	kWh	11/8/2008	12/7/2008	142.8	30,800	$5,484.81	$0.178
Electric	kWh	10/6/2008	11/7/2008	142.8	30,800	$5,424.34	$0.176
Electric	kWh	9/8/2008	10/6/2008	128.0	27,600	$14,280.19	$0.517
		TOTAL/AVERAGE		139.1	374,000	$71,282.56	$0.191

Facility Name Old Tappan -Northern Valley RHS
Company PSE&G
Account# 66264014-08
Meter# 2344530.321672
Tariff/Rate Basic Gas Supply Service (BGSS)

Energy Type	Energy Unit	Start Date	End Date	Demand KW	Therms	Delivery Cost	Supply Cost	$/Therms
Natural Gas	Therms	10/8/2009	11/10/2009	NA	3,805	$3,644.06	$4,400.58	$2.114
Natural Gas	Therms	9/8/2009	10/7/2009	NA	259	$125.44	$310.11	$1.682
Natural Gas	Therms	8/8/2009	9/7/2009	NA	99	$105.80	$118.06	$2.261
Natural Gas	Therms	7/8/2009	8/7/2009	NA	79	$102.98	$94.35	$2.498
Natural Gas	Therms	6/8/2009	7/7/2009	NA	19,759	$1,965.97	$23,657.80	$1.297
Natural Gas	Therms	5/8/2009	6/7/2009	NA	56	$100.26	$66.93	$2.986
Natural Gas	Therms	4/8/2009	5/7/2009	NA	314	$128.66	$375.36	$1.605
Natural Gas	Therms	3/8/2009	4/7/2009	NA	1,599	$264.12	$1,914.29	$1.362
Natural Gas	Therms	2/8/2009	3/7/2009	NA	16,838	$6,436.10	$20,160.04	$1.580
Natural Gas	Therms	1/8/2009	2/7/2009	NA	24,607	$7,921.27	$29,462.34	$1.519
Natural Gas	Therms	12/8/2008	1/7/2009	NA	17,761	$5,955.31	$21,266.14	$1.533
Natural Gas	Therms	11/10/2008	12/7/2008	NA	14,880	$5,296.64	$17,815.67	$1.553
		TOTAL/AVERAGE		**NA**	**100,056**	**$32,046.61**	**$119,641.67**	**$1.516**

Facility Name Old Tappan -Northern Valley RHS
Account# 73088-47008
Account# 24671-48004
Account# 48821-03008

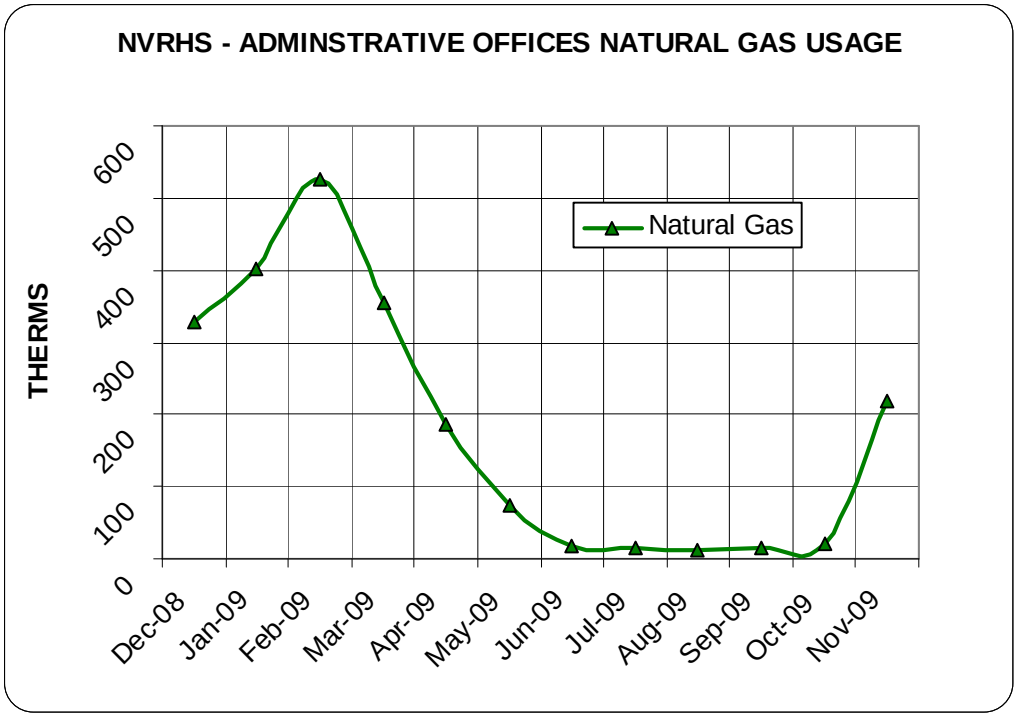
Please note the following NOT METERED or LIGHTING Electrical accounts are not included

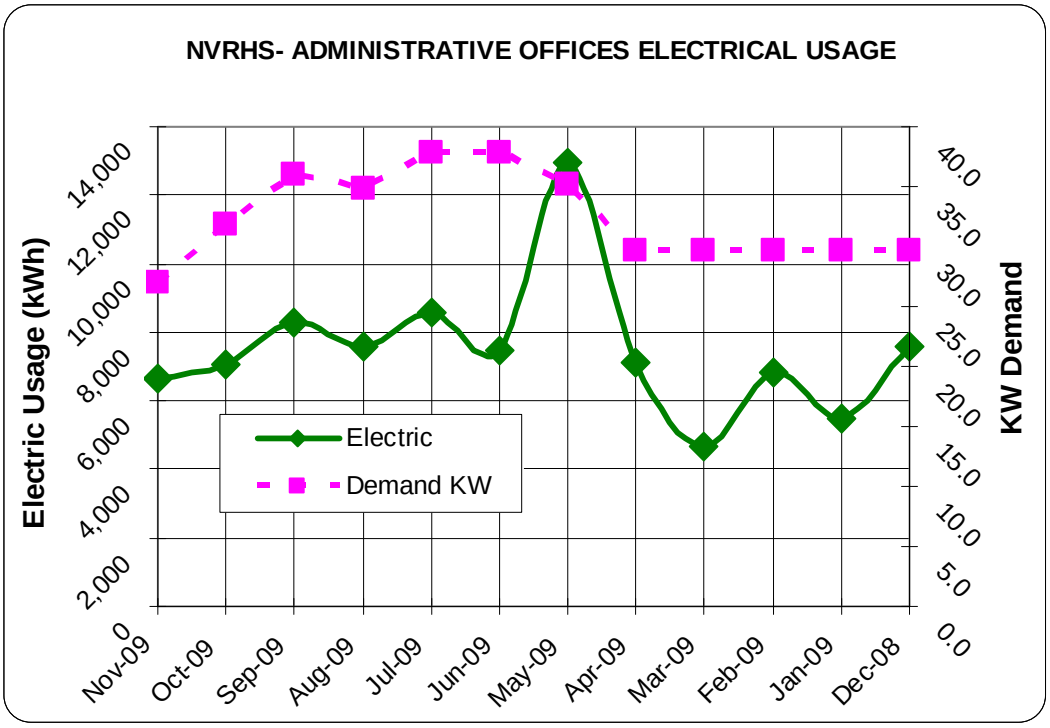
Facility Name Old Tappan -Northern Valley RHS
Company Rockland Electric
Account# 68048-47001
Meter#
Tariff/Rate Large Commercial -Primary over 200 KW

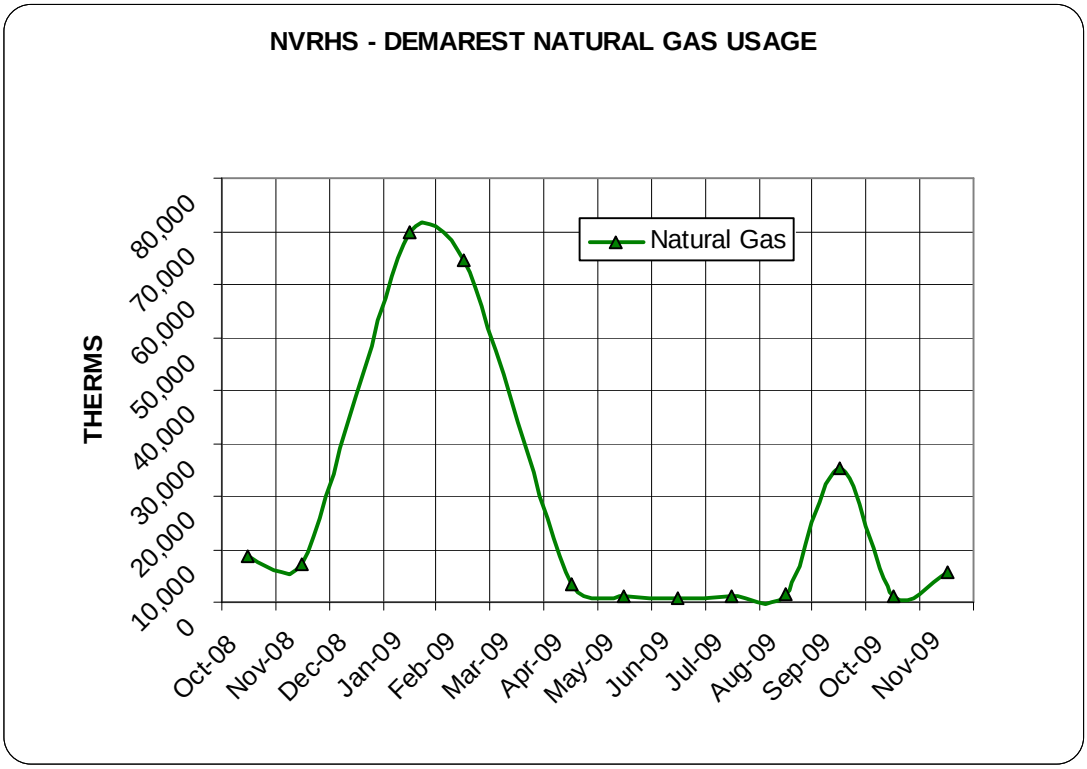
Energy Type	Energy Unit	Start Date	End Date	Demand KW	KWH	Cost	$/kWh
Electric	kWh	10/23/2009	11/23/2009	342.0	132,000	$20,763.25	$0.157
Electric	kWh	9/26/2009	10/23/2009	390.0	126,600	$20,131.44	$0.159
Electric	kWh	8/26/2009	9/25/2009	390.0	111,600	$19,299.92	$0.173
Electric	kWh	7/26/2009	8/25/2009	384.0	82,800	$16,244.21	$0.196
Electric	kWh	6/26/2009	7/25/2009	354.0	75,600	$15,089.40	$0.200
Electric	kWh	5/26/2009	6/25/2009	384.0	129,000	$24,811.06	$0.192
Electric	kWh	4/26/2009	5/25/2009	384.0	133,200	$22,358.63	$0.168
Electric	kWh	3/26/2009	4/25/2009	474.0	112,200	$17,448.06	$0.156
Electric	kWh	2/26/2009	3/25/2009	366.0	127,800	$20,857.93	$0.163
Electric	kWh	1/28/2009	2/25/2009	441.0	133,200	$17,799.06	$0.134
Electric	kWh	12/29/2008	1/28/2009	441.0	142,800	$23,258.96	$0.163
Electric	kWh	11/26/2008	12/29/2008	441.0	143,400	$23,252.55	$0.162
		TOTAL/AVERAGE		**399.3**	**1,450,200**	**$241,314.47**	**$0.166**

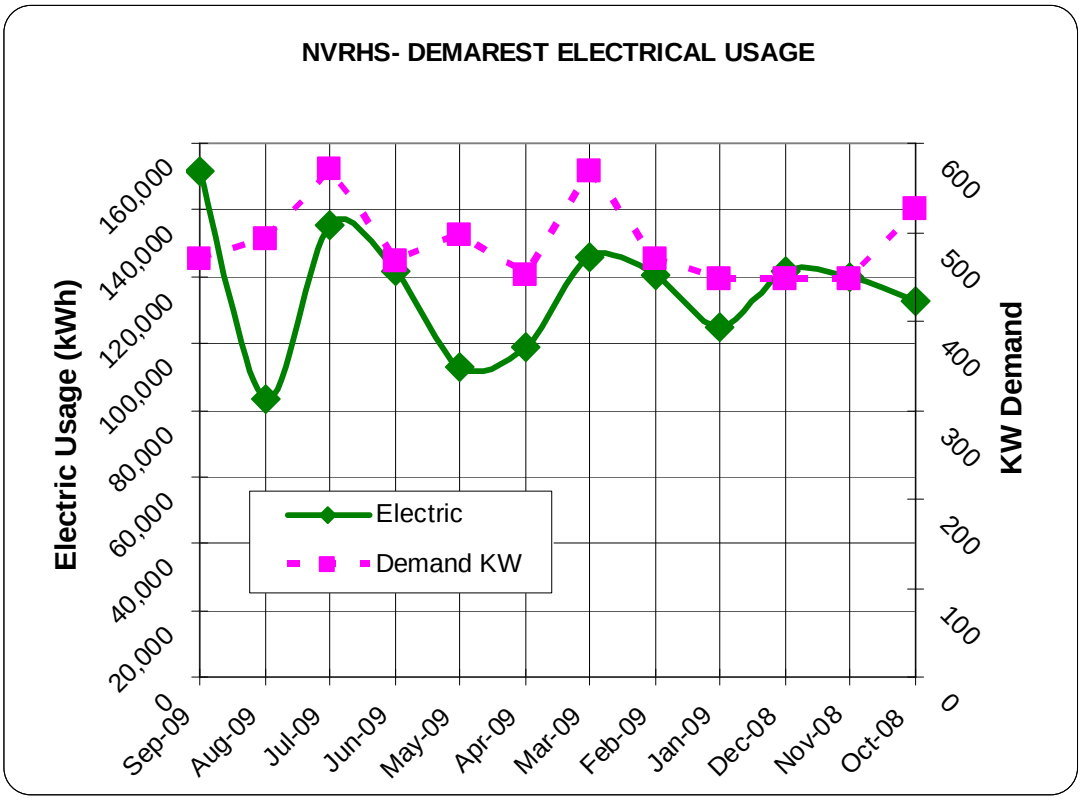
Facility Name Old Tappan -Northern Valley RHS
Company Rockland Electric
Account# 73298-47008
Meter#
Tariff/Rate GSS - General Service Secondary

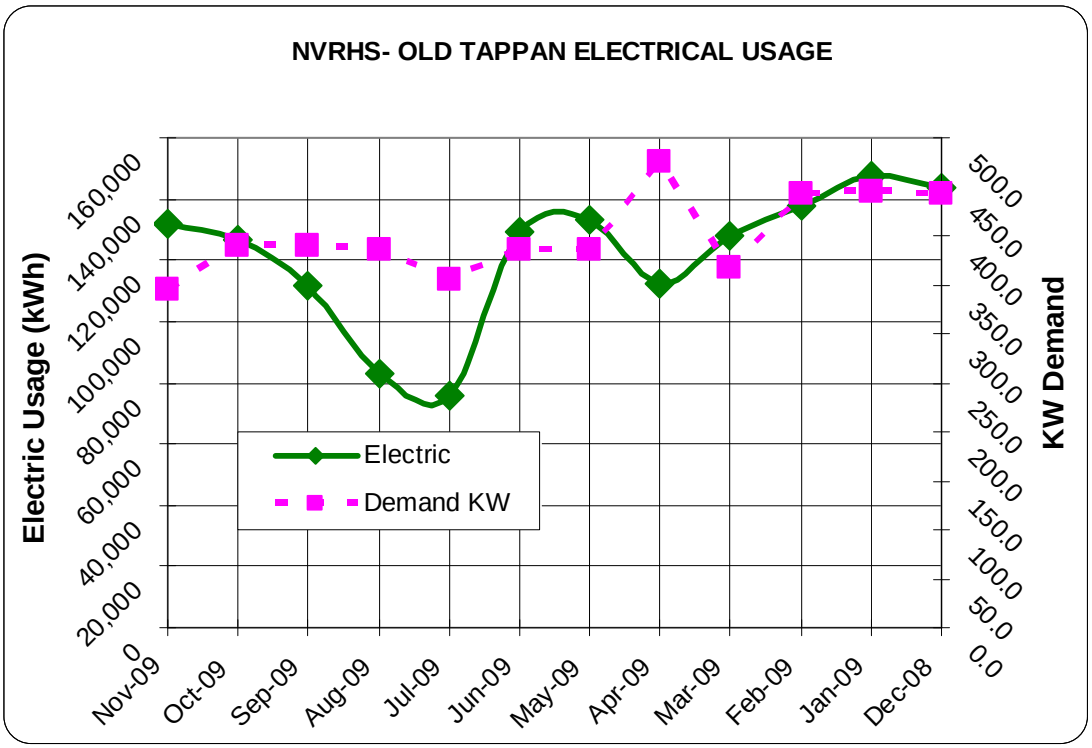
Energy Type	Energy Unit	Start Date	End Date	Demand KW	KWH	Cost	$/kWh
Electric	kWh	10/23/2009	11/23/2009	2.2	120	$24.24	$0.202
Electric	kWh	9/26/2009	10/23/2009	0.8	100	$22.00	$0.220
Electric	kWh	8/26/2009	9/25/2009	0.8	84	$19.99	$0.238
Electric	kWh	7/26/2009	8/25/2009	0.8	96	$23.24	$0.242
Electric	kWh	6/26/2009	7/25/2009	1.0	108	$24.75	$0.229
Electric	kWh	5/26/2009	6/25/2009	1.2	144	$27.82	$0.193
Electric	kWh	4/26/2009	5/25/2009	0.8	96	$23.43	$0.244
Electric	kWh	3/26/2009	4/25/2009	1.3	96	$19.50	$0.203
Electric	kWh	2/26/2009	3/25/2009	0.9	252	$19.69	$0.078
Electric	kWh	1/26/2009	2/25/2009	2.7	4,356	$486.11	$0.112
Electric	kWh	12/29/2008	1/25/2009	4.3	4,488	$641.33	$0.143
Electric	kWh	11/23/2008	12/29/2008	0.9	12	$9.09	$0.758
		TOTAL/AVERAGE		**1.5**	**9,952**	**$1,341.19**	**$0.135**

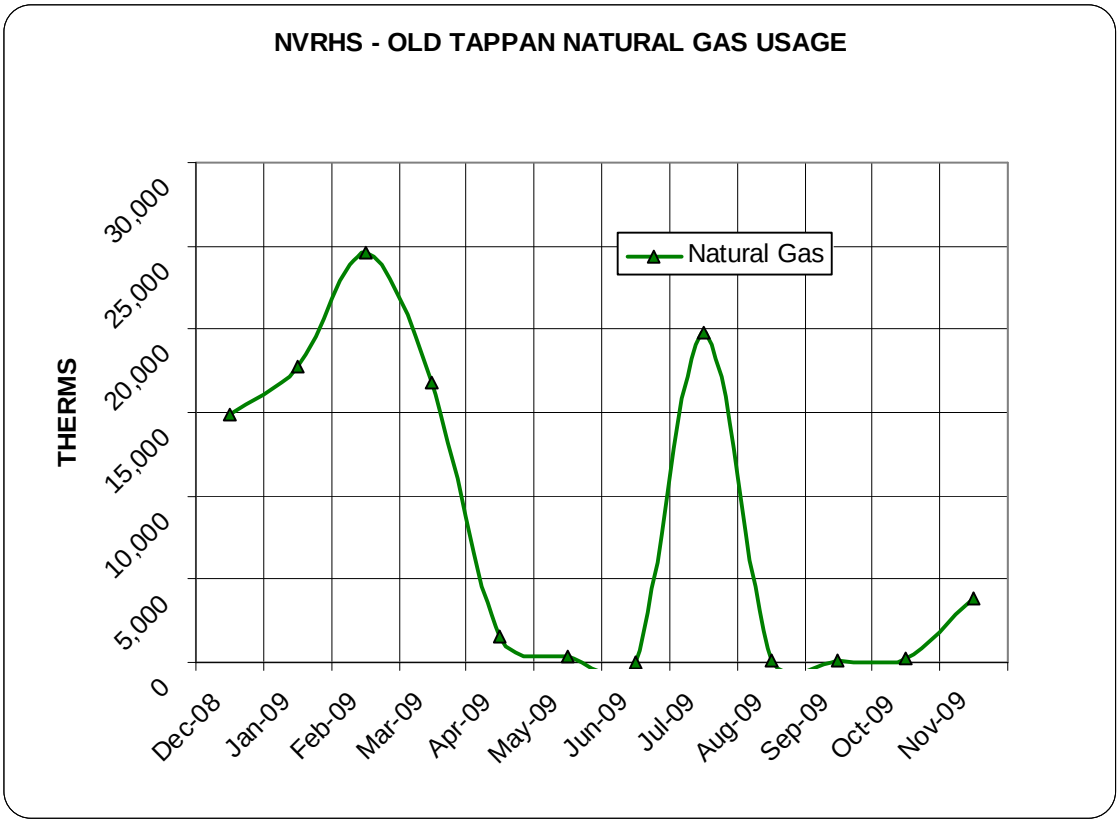

NVRHS - ADMINSTRATIVE OFFICES NATURAL GAS USAGE
THERMS
0
100
200
300
400
500
600
Natural Gas
Dec-08
Jan-09
Feb-09
Mar-09
Apr-09
May-09
Jun-09
Jul-09
Aug-09
Sep-09
Oct-09
Nov-09


NVRHS- ADMINISTRATIVE OFFICES ELECTRICAL USAGE
Electric Usage (kWh)
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
KW Demand
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
Electric
Demand KW
Nov-09
Oct-09
Sep-09
Aug-09
Jul-09
Jun-09
May-09
Apr-09
Mar-09
Feb-09
Jan-09
Dec-08


NVRHS - DEMAREST NATURAL GAS USAGE
THERMS
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
Natural Gas
Oct-08
Nov-08
Dec-08
Jan-09
Feb-09
Mar-09
Apr-09
May-09
Jun-09
Jul-09
Aug-09
Sep-09
Oct-09
Nov-09


NVRHS- DEMAREST ELECTRICAL USAGE
Electric Usage (kWh)
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
KW Demand
600
500
400
300
200
100
0
Electric
Demand KW
Sep-09
Aug-09
Jul-09
Jun-09
May-09
Apr-09
Mar-09
Feb-09
Jan-09
Dec-08
Nov-08
Oct-08


NVRHS- OLD TAPPAN ELECTRICAL USAGE
Electric Usage (kWh)
KW Demand
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
500.0
450.0
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
Nov-09
Oct-09
Sep-09
Aug-09
Jul-09
Jun-09
May-09
Apr-09
Mar-09
Feb-09
Jan-09
Dec-08
Electric
Demand KW


NVRHS - OLD TAPPAN NATURAL GAS USAGE
THERMS
30,000
25,000
20,000
15,000
10,000
5,000
0
Dec-08
Jan-09
Feb-09
Mar-09
Apr-09
May-09
Jun-09
Jul-09
Aug-09
Sep-09
Oct-09
Nov-09
Natural Gas

ADMIN BUILDING

EQUIPMENT LIST Equipment List

Equipment	Location	Area Serving	Qty	Manufacturer	Model #	Tag #	Efficiency	Capacity	Age	Notes
Domestic Water Heater	MER	Building	1	AO Smith	FSG 30 240	*NA*	*NA*	30 Gal	~15	
Boiler	MER	HW Radiation	1	Hydro Therm	HC-125B	*NA*	*NA*	98,000 Btu/Hr	~25	125,000 input Btu/Hr, Natural Gas
Boiler Pumps	MER	HW Radiation	2	Bell & Gossett	*NA*	*NA*	*NA*	*NA*	~25	1/4 hp motors
PRTU	Roof	Building	1	Lennox	GCS16-060-120-5Y	*NA*	*NA*	*NA*	~8	125,000 Btu/Hr input heating, Dx
PRTU	Roof	Building	1	Lennox	TGA090S2B M1Y	*NA*	*NA*	*NA*	~8	180,000 Btu/Hr input, 144,000 Btu/Hr output, Dx
PRTU	Roof	Building	1	Lennox	GCS16-060-120	*NA*	*NA*	*NA*	~8	
PRTU	Roof	Building	1	Lennox	GCS16-060-120-4Y	*NA*	*NA*	*NA*	~8	120,000 Btu/Hr input, 96,000 Btu/Hr output, Dx
Split A/C	Roof	Building	1	Goodman	HDC24-1AB	*NA*	*NA*	*NA*	~8	

DEMAREST HIGH SCHOOL

HVAC EQUIPMENT LIST

Equipment	Location	Tag#	Qty	Manufacturer	Area Serving	Model #	Cooling Capacity (tons)	Heating Capacity (tons)	Supply air (cfm)	Supply Fan Static Pressure (in wc)	Min OA (%)	Fan HP	Fan RPM	Ret / Exh Air (cfm)	Ret / Exh Fan Static Pressure	Fan HP	Fan RPM	Notes
HVU	Audatorium	HV-3	1	Nesbit	Auditorium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	NA	Old equipment. Pneumatics are not working. Retrofitted with electric dampers. Air filters are dirty and have fallen from racks.
HVU	Audatorium	HV-1	1	Nesbit	Auditorium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	NA	Supply fan only
HVU	Audatorium	RA 4	4	ILG	Auditorium	222	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/2	621	
Window Air Conditioner	Faculty Lunch Room	n/a	1	Frederich Air Conditioning	Faculty Lunch Room	8L31H30	31000 BTU/hr	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Air Handling Unit	Roof	AHU-1	1		Offices	8-112-200	NA	NA	3,620	NA	NA	NA	NA	NA	NA	NA	NA	
Air Handling Unit	Roof	AHU-2	1		Gymnasium	8-212-500	NA	NA	5,100	NA	NA	NA	NA	NA	NA	NA	NA	
Air Handling Unit	Roof	AHU-3	1		Gymnasium	8-212-500	NA	NA	5,100	NA	NA	NA	NA	NA	NA	NA	NA	
Air Handling Unit	Roof	AHU-4	1		Lockers	8-112-350	NA	NA	3,000	NA	NA	NA	NA	NA	NA	NA	NA	
Air Handling Unit	Roof	AHU-5	1		Corridors	8-212-400	NA	NA	3,880	NA	NA	NA	NA	NA	NA	NA	NA	
Air Handling Unit	Roof	AHU-6	1		Food Lab / Classroom	8112-200	NA	NA	2,400	NA	NA	NA	NA	NA	NA	NA	NA	
Exhaust Fan	Roof	F-1	1	Greenheck	Boys Lockers	GB-141-7	NA	NA	1,875	1	n/a	3/4	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-2	1	Greenheck	Storage	GB-80-6	NA	NA	300	0.5	n/a	1/6	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-3	1	Greenheck	Storage	GB-101HP-4	NA	NA	290	1	n/a	1/4	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-4	1	Greenheck	Girls Lockers	GB-200-20	NA	NA	4,205	1.25	n/a	2	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-5	1	Greenheck	Gymnasium	GB-161-7	NA	NA	2,880	0.5	n/a	3/4	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-6	1	Greenheck	Gymnasium	GB-141-7	NA	NA	2,880	0.5	n/a	3/4	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-7	1	Greenheck	Storage	GB-070-6	NA	NA	100	0.5	n/a	1/6	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-8	1	Greenheck	Toilet	GB-141-7	NA	NA	19,000	1	n/a	3/4	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-9	1	Greenheck	Elevator M.R.	GB-080-6	NA	NA	400	0.5	n/a	1/6	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-10	1	Greenheck	Prer. Room #223A	CUBE-141-7	NA	NA	1,000	1.75	n/a	3/4	1725	NA	NA	NA	NA	
Exhaust Fan	Roof	F-11	1	Greenheck	Food Lab	CUBE-141-7	NA	NA	1,220	1.75	n/a	3/4	1725	NA	NA	NA	NA	
Exhaust Fan	Roof		1	Greenheck	Boys Lockers	GB-260-3	NA	NA	NA	NA	NA	NA	NA	2820	0.4	1/3	397	
Exhaust Fan	Roof		1	Greenheck	Storage	GB-080-6	NA	NA	NA	NA	NA	NA	NA	270	0.5	1/6	1129	
Exhaust Fan	Roof		1	Greenheck	Storage	GB-080-6	NA	NA	NA	NA	NA	NA	NA	330	0.6	1/6	1266	
Exhaust Fan	Roof		1	Greenheck	Coach / Team Rm.	GB-260-3	NA	NA	NA	NA	NA	NA	NA	3030	0.35	1/3	384	
Exhaust Fan	Roof		1	Greenheck	Girls Lockers	GB-240-3	NA	NA	NA	NA	NA	NA	NA	2720	0.4	1/3	497	
Exhaust Fan	Roof		1	Greenheck	Gymnasium	GB-240-3	NA	NA	NA	NA	NA	NA	NA	2880	0.35	1/3	483	
Exhaust Fan	Roof		1	Greenheck	Gymnasium	GB-240-3	NA	NA	NA	NA	NA	NA	NA	2880	0.35	1/3	483	
Exhaust Fan	Roof		1	Greenheck	Elevator M.R.	GB-101HP-4	NA	NA	NA	NA	NA	NA	NA	400	0.9	1/4	1684	
Exhaust Fan	Roof		1	Greenheck	Toilet (west)	GB-200-3	NA	NA	NA	NA	NA	NA	NA	1850	0.45	1/3	622	
Exhaust Fan	Roof		1	Greenheck	Storage	GB-070-6	NA	NA	NA	NA	NA	NA	NA	100	0.55	1/6	1164	

DEMAREST HIGH SCHOOL

HVAC EQUIPMENT LIST

Equipment	Location	Tag#	Qty	Manufacturer	Area Serving	Model #	Cooling Capacity (tons)	Heating Capacity (tons)	Supply air (cfm)	Supply Fan Static Pressure (in wc)	Min OA (%)	Fan HP	Fan RPM	Ret / Exh Air (cfm)	Ret/ Exh Fan Static Pressure	Fan HP	Fan RPM	Notes
Exhaust Fan	Roof		1	Greenheck	Food Lab	CUBE-141-4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	940	0.25	1/4	732	
Exhaust Fan	Roof	F-12	1	Greenheck	Area B Storage	GB-101	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	1220	0.35	1/4	890	
Exhaust Fan	Roof	F-13	1	Greenheck	Area B Storage	GB-080	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	300	0.15	1/4	659	
Exhaust Fan	Ceiling	F-14	1	Greenheck	Area D Supply	BSQ-90-5	*NA*	*NA*	720	0.2		1/4	1370					
Exhaust Fan	Roof	F-15	1	Greenheck	Area D Exhaust	CUBE-100-4	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	800	0.75	1/4	1469	
Exhaust Fan	Roof	F-16	1	Greenheck	Area E Exhaust	GB-121	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	1000	0.35	1/4	817	
Exhaust Fan	Roof	F-17	1	Greenheck	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	
Exhaust Fan	Roof	F-18	1	Greenheck	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	
Exhaust Fan	Roof	F-19	1	Greenheck	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	
Exhaust Fan	Roof	F-20	1	Greenheck	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	
Exhaust Fan	Roof	F-21	1	Greenheck	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	
Cabinet Unit Heater	First Floor Exterior Exit		1	Sterling	First Floor Exterior Exit	RW-1120-08	n/a	n/a	650	n/a	n/a	1/15	875	n/a	n/a	n/a	n/a	2 speed, water temp in=190/out=170 @5gpm
Cabinet Unit Heater	First Floor West Stairwell		1	Sterling	First Floor West Stairwell	RW-1120-02	n/a	n/a	170	n/a	n/a	1/15	875	n/a	n/a	n/a	n/a	1 speed
Cabinet Unit Heater	Second Floor West Stairwell		1	Sterling	Second Floor West Stairwell	RW-1120-02	n/a	n/a	170	n/a	n/a	1/15	875	n/a	n/a	n/a	n/a	
Cabinet Unit Heater	MER 132		1	Sterling	MER 132	HV-118A	n/a	n/a	420	n/a	n/a	1/50	1350	n/a	n/a	n/a	n/a	
Cabinet Unit Heater	MER 131		1	Sterling	MER 131	HV-118A	n/a	n/a	420	n/a	n/a	1/50	1350	n/a	n/a	n/a	n/a	
Packaged RTU	Roof	A/C 1	1	AAON	Second Floor Area A	RH-16-2-EO-221	16	n/a	4,290	1.3	60	5	n/a	n/a	n/a	n/a	n/a	
Packaged RTU	Roof	A/C 2	1	McQuay	Gymnasium	RPSO20C	20.0	n/a	5,100	0.9	90	5	n/a	4585	0.4	1.5	n/a	
Packaged RTU	Roof	A/C 3	1	McQuay	Gymnasium	RPSO20C	20.0	n/a	5,100	0.9	90	5	n/a	4585	0.4	1.5	n/a	
Packaged RTU	Roof	A/C 4	1	AAON	First Floor Area A	RH-15-2-EO-211	15.0	n/a	2,900	1.1	100	2	n/a	n/a	n/a	n/a	n/a	W/ power exhaust fan-2HP rating
Packaged RTU	Roof	A/C 5	1	AAON	Corridor	RH-20-2-EO-211	20.0	n/a	4,490	1.3	67	5	n/a	n/a	n/a	n/a	n/a	
Packaged RTU	Roof	A/C 6	1	AAON	Food Lab / Classroom	RH-13-2-EO-211	13.0	n/a	2,840	1.3	68	3	n/a	n/a	n/a	n/a	n/a	
Packaged RTU	Roof	A/C 7	1	AAON	Area B North	RH-07-2-EO-211	7.0	n/a	2,275	1	36	3	n/a	n/a	n/a	n/a	n/a	

DEMAREST HIGH SCHOOL

HVAC EQUIPMENT LIST

Equipment	Location	Tag#	Qty	Manufacturer	Area Serving	Model #	Cooling Capacity (tons)	Heating Capacity (tons)	Supply air (cfm)	Supply Fan Static Pressure (in wc)	Min OA (%)	Fan HP	Fan RPM	Ret / Exh Air (cfm)	Ret / Exh Fan Static Pressure	Fan HP	Fan RPM	Notes
Packaged RTU	Roof	A/C 8	1	AAON	Area B South	RH-13-2-EO-211	13	n/a	3,800	0.9	42	3	n/a	n/a	n/a	n/a	n/a	
Packaged RTU	Roof	A/C 9	1	AAON	Area B Office	RH-06-2-EO-211	6.0	n/a	2,335	1.2	21	3	n/a	n/a	n/a	n/a	n/a	
Packaged RTU	Roof	A/C 10	1	AAON	Area C Computor Room	RH-07-2-EO-211	7	n/a	3,020	0.8	15	2	n/a	n/a	n/a	n/a	n/a	W/ power exhaust fan-1HP rating
Packaged RTU	Roof	A/C 11	1	AAON	Area C Academic Theater	RH-06-2-EO-211	6	n/a	1,550	0.8	42	2	n/a	n/a	n/a	n/a	n/a	W/ power exhaust fan-1HP rating
Packaged RTU	Roof	A/C 12	1	AAON	Area D Science Lab	RH-07-2-EO-211	6	n/a	2,230	0.7	14	2	n/a	n/a	n/a	n/a	n/a	W/ power exhaust fan-1HP rating
Packaged RTU	Roof	A/C 13	1	AAON	Area E Trainers Room	RH-06-2-EO-211	6	n/a	1,760	0.7	57	2	n/a	n/a	n/a	n/a	n/a	
"S" Type Finned Tube Convectors		NA		Sterling	Rooms	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	inlet design water temp = 180, enclosure = 11"high X 4.75" deep type 11A Model C33
"S" Type Finned Tube Convectors		NA		Sterling	Stairs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	inlet design water temp = 180, enclosure = 24"high X 5.32" deep type 24B Model C3/4-435
Unit Ventillator		UV-A		Standard	Class rooms	AZQ044	NA	NA	1,680	NA	NA	1/4	NA	NA	NA	NA	NA	inlet design water temp = 190, outdoor motor fan HP = 3/4
Unit Ventillator		UV-B		Standard	Class rooms	AZQ044	NA	NA	1,300	NA	NA	1/4	NA	NA	NA	NA	NA	inlet design water temp = 190, outdoor motor fan HP = 3/4
Unit Ventillator		UV-C		Standard	Class rooms	AZQ054	NA	NA	1,600	NA	NA	1/4	NA	NA	NA	NA	NA	inlet design water temp = 190, outdoor motor fan HP = 3/4
Unit Ventillator		UV-D		Standard	Class rooms	AZQ054	NA	NA	1,300	NA	NA	1/4	NA	NA	NA	NA	NA	inlet design water temp = 190, outdoor motor fan HP = 3/4
Fan Coil Unit	Toilets 1st Floor West	RH-A1-1		NA	Toilets 1st Floor West	NA	NA	NA	280	NA	NA	NA	NA	NA	NA	NA	NA	inlet design water temp = 180
Fan Coil Unit	Toilets 2nd Floor West	RH-A2-1		NA	Toilets 2nd Floor West	NA	NA	NA	280	NA	NA	NA	NA	NA	NA	NA	NA	inlet design water temp = 180
Fan Coil Unit	Office 205	RH-A2-2		NA	Office 205	NA	NA	NA	240	NA	NA	NA	NA	NA	NA	NA	NA	inlet design water temp = 180
Fan Coil Unit	Office 204	RH-A2-3		NA	Office 204	NA	NA	NA	1,020	NA	NA	NA	NA	NA	NA	NA	NA	inlet design water temp = 180
Fan Coil Unit	Computer Rm Area B	RH-B1-1		NA	Computer Rm Area B	NA	NA	NA	1,150	NA	NA	NA	NA	NA	NA	NA	NA	inlet design water temp = 180
Fan Coil Unit	Office Area B	RH-B1-2		NA	Office Area B	NA	NA	NA	640	NA	NA	NA	NA	NA	NA	NA	NA	inlet design water temp = 180

DEMAREST HIGH SCHOOL

HVAC EQUIPMENT LIST

Equipment	Location	Tag#	Qty	Manufacturer	Area Serving	Model #	Cooling Capacity (tons)	Heating Capacity (tons)	Supply air (cfm)	Supply Fan Static Pressure (in wc)	Min OA (%)	Fan HP	Fan RPM	Ret / Exh Air (cfm)	Ret / Exh Fan Static Pressure	Fan HP	Fan RPM	Notes

DEMAREST HIGH SCHOOL

MOTORS

Motor ID	Affiliated System	Building	Qty	Loading (Cnst/Var)	Control Type	Manufacturer	Model #	Motor HP	Nominal Eff	Speed (RPM)	Notes
FD Fans	BoilerS	MER	2	variable	auto	Cleaver Brooks	ZVA213TTDR9618BP	10	87.5	3600	
Condensate return pump motors	Blr Cond	MER	3	const	auto	Aurora	ZVB56T34D5610A	1.5		3450	
Condensate Vacuum Return pump motor	Blr Cond	MER	2	const	auto	Baldor	34H456- 3226	1	78.9	3450	
Condensate Vacuum Return transfer pump motor	Blr Cond	MER	2	const	auto	Industrial Electric	WWE2-34-145JM	2	84	3480	
Control Compressor motor	Control Air	MER	2	const	auto	Baldor	127466F036		78.6	1725	
H/W Circ pump motors	H/W Heating	MER	2	const	auto	Baldor	M3311T	7.5	88.5	1160	
General service air comp motor	air	Wood shop	1	const	auto	Peerless	Frame P203	1		1750	Air leaking at quick disconnect causing compressor to run more
domestic Hot water circulating pump motor	D H/W heating system	MER H & J	1	const	auto	Emerson		0.25		1725	
Dom H/W heater FD Fan motor	D H/W heating system	MER H&J	1	variable	auto	H.O. Smith	C48J2DB5B3	0.5		3450	
DOM H/W htr automatic burner	D H/W heating system	MER H&J	1	variable	auto	Power Flame	GR2-3-15				750 to 2100 MBH
H/W heating circ pumps	H/W heating system	MER H&J	1	variable	auto	Baldor	C13157T	2	84	1785	

OLD TAPPAN HIGH SCHOOL

HVAC EQUIPMENT LIST

Equipment	Location	Tag#	Qty	Manufacturer	Area Serving	Model #	Cooling Capacity (tons)	Evaporator: Total Cooling (MBH)	Evaporator: Sensible Cooling (MBH)	Heating Capacity (tons)	Total Gas Heat Input (MBH)	Total Gas Heat Output (CFH)	Gas Pressure (H2O)	Total Electric Heat Input (kW)	Voltage	Total Electric Heat Output (MBH)	Supply air (cfm)	Supply Fan Static Pressure (in wc)	Min OA (%)	Fan HP	Fan RPM	Fan HP	Notes
Air Handling Unit	Lower Roof	AHU- 1	1	AAON	Art / Tech Ed	RK-20-3-EO-322	20	240	154.2		307.0	390	7				4430	1.15	69	5	1135		W/ Economizer
Air Handling Unit	Roof	AHU- 2	1	McQuay		RPSO20C	23	280	172.0		320	16	7				5100	0.55	100	3	1138		
Air Handling Unit	Roof	AHU- 3	1	McQuay		RPSO20C	23	280	172.0		320	416	7				5100	0.55	100	3	1138		
Air Handling Unit	Roof	AHU- 4	1	AAON		RK-25-3-EO-332	26	310.4	185.7		388	480	7				4530	0.93	100	5	492		
Air Handling Unit	Roof	AHU- 5	1	AAON		RK-20-3-EO-322	21	255.2	165.3		315	390	7				5580	2.02	51	5	1144		
Air Handling Unit	Roof	AHU- 6	1	AAON		RK-16-3-EO-311	17	205.3	116.3		218	270	7				3180	0.95	100	5	836		
Air Handling Unit	Roof	AHU- 7	1	AAON		LGA-060-H	5.2	62.1	48.2		40	78	7				2250	1.37	21	3	1344		W/ Economizer
Air Handling Unit	Roof	AHU- 8	1	AAON		LGA-090-H	7.5	90	59.3		-	-		30	460	77.2	2920	-	20				W/ Economizer
Air Handling Unit	Roof	AHU- 9	1	AAON		LGA-072-H	5.6	67.2	41.9		-	-		15	460	45	2220	-	20				W/ Economizer
Air Handling Unit	Roof	AHU- 10	1	AAON		LGA-072-S	6.1	73.2	44.7		-	-		20	460	54	2360	-	20				W/ Economizer
Air Handling Unit	Roof	AHU- 11	1	Lennox	A-103 area	LGA-048-H 2BF3G	4.6	55	34.5		-	-		20	460	47.6	2200	0.6	0.25				W/ Economizer
Air Handling Unit	Roof	AHU- 12	1	Lennox	E-103	TCA036B2DN 1Y	3								460					0.50		0.75	Interior insulation has fallen
Air Handling Unit	Roof	AHU- 13	1	Carrier		50TJ-0060601									460					3.2FLA			COMP 8.6 RLA
Air Handling Unit	Roof	AHU- 14	1																				
Air Handling Unit	Roof	AHU- 15	1	Carrier	F-102-106	50TJ-008-601GA									460					2.6 FLA		.8 FLA	COMP 8.6 RLA
Air Handling Unit	Roof	AHU- 16	1	Lennox	E-104	LGC150SS1G				12.5	130,000 BTU/HR									5.00		0.333	2 COMPS, 9RLA EA. Cond fan 1/2 hp OA damper obstructed by a port. Cleared same.
Air Handling Unit	Roof	AHU- 17	1	Trane		OBD					120,000	97,200			230					1.00		0.25	1 COMP LOOSE BELT
Air Handling Unit	Roof	AHU- 18	1	Trane	Media Center	YCD300B4HO DC					480,000	324,000			460					7.50		1	3/1995 , 2 Comps. 17.7RLA ea, 2 Cond fans 1 HP
Air Handling Unit	Roof	AHU- 19	1	Trane	Media Center	YCD075C4HO BD					285,000	166,000			460					1.00		0.5	1 Comp 9.7RLA, 1 cond fan 2.4 FLA .5 HP
CU	Roof		1	Sanyo	SS Ofice area	C1251	1	11,800															1 comp 9.8RLA, 1 cond fan .7FLA
CU	Roof		1	Sanyo	Corridor A storage area	SAP1210																	
CU	Roof		1	Sanyo	B-100 area	CL1211	1	12000															1 comp 9.97 RLA no insulation on refrig lines 4 ft
Split	Roof		1	Sanyo	Guidance area	C2422																	1 comp 9.9RLA 1 cond fan 1.2FLA 6 ft uninsulated refrig lines
AHU	Roof		1	Reznor	Fac Rm area Corridor A	RPVE 125-6-6E											1200	0				1	Dirty dislodged air filters, loose belt Very old unit
CU	Roof		1	Mitsubishi	Main Office area	PU24EK																	1 comp 11.5RLA refrig lines unsulated 3 ft
CU	Roof		1	Goodman	D corridor	HDC24-1A									230								1 COMP 12.8 RLA
Heat Pump	Roof		1	Daiken	D corridor	RX12FVJU		11,500 BTU/Hr		11,500 BTU/Hr				1.06 kW	230								
CU	Roof		1	BOHN / Heatcraft	Over Kitchen area	DVT0021C2F									230								Cond fan mtr 1 FLA 4' uninsulated refrigeration lines
Split	Roof		1	Sanyo	C-104 area	C3622									230								1 comp 15.5 RLA
CU	Roof		1	Mitsubishi	media center area	PU24EK									230								1 comp 11.5 RLA uninsulated refrig lines 4 ft.

OLD TAPPAN HIGH SCHOOL

MOTORS

Motor ID	Affiliated System	Building	Qty	Loading (Cnst/Var)	Control Type	Manufacturer	Model #	Motor HP	Nominal Eff	Speed (RPM)
Boiler FD Fan	Heating	MER	2	Const	Auto	Industrial Combustion	EVD256TT DX8208BC	20		3515
Control Air Compressor Motors	Control Air	MER	2	Const	Auto	Baldor	M3211T	3	86.5	1725
Hot Water Circulating Pump Motor 1 & 2	Hot Water	entire	2	Var	Auto	Marithon	EVE 213TTDBA4 028AA H	7.5	88.5	1760
Hot Water Circulating Pump Motor 6	Hot Water	entire	1	Var	Auto	Marithon	EVJ184TTD B4026BR H	5	87.5	1745
Hot Water Circulating Pump Motor 5, 7 & 8	Hot Water	entire	1	Var	Auto	Marithon	EVE184TT DB4026BR H	5	87.5	1745
Hot Water Circulating Pump Motor 3 & 4	Hot Water	entire	2	Var	Auto	Marithon	EVD215TT DB4026AN H	10	89.5	1760
motor for HV-5	HVAC	Auditoriu m	5	Const	Auto	GE	5K49UN408 6X	2		1725
Motor for return air fans	HVAC	Auditoriu m	5	Const	Auto	Century	B-128934-01	1.5		1725

EQUIPMENT LIST

Equipment	Location	Area Serving	Qty	Manufacturer	Model #	Tag #	Efficiency	Capacity	Age	Notes
Boilers	MER	Perimeter Heating	2	Rockmills Steel Products	824	1&2		16000 lbs/hr	3	Water boilers, design outlet temp=190, des press 160 psi, Op press = 30 psi N Gas=827CFH @ 7-14 H2O
Control Air Compressors	MER	MER	2	Quincy	QTS5QCB 100	1&2				
Air Dryers	MER	Control air	2	Quincy	QILD0005 CC	1&2		5CFM		Refrigerant 134a
Circulating Pump	MER	Domestic Hot Water	2	Armstrong	H-52-1-AB	C1&C2				
Circulating Pump	MER	F Corridor & Aux. Gym	1	Thermatic	B 4.3.10	P1		300 GPM		60 Ft head
Standby Circulating Pump	MER	F Corridor & Aux. Gym	1	Thermatic	B 4.3.10	P2		300 GPM		stand by pump for P1
Circulating Pump	MER	A Wing and B Corridor	1	Thermatic	B 4.3.10	P3		260 GPM		70 ft Head
Standby Circulating Pump	MER	A Wing and B Corridor	1	Thermatic	B 4.3.10	P4		260 GPM		Stand by pump for P3
Circulating Pump	MER	Gym	1	Thermatic	B 3.2.10	P5		160 GPM		
Circulating Pump	MER	Shop	1	Thermatic	B 3.2.10	P6		160 GPM		70 ft Head
Standby Circulating Pump	MER	Shop or Kitchen	1	Thermatic	B 3.2.10	P7		160 GPM		Stand by pump for P6 or P8
Circulating Pump	MER	Kitchen	1	Thermatic	B 3.2.10	P8		160 GPM		
Domestic Hot Water Heater	MER	Entire school	1	A. O. Smith	BTP 200-300			200 gallons		300,000 BTU/hr input, WT = 135, Set@ 140 F
Emergency Generator	MER	Entire school	1	Kohler	30RZ288			30 kW		
AHU HV-5	auditorium MER	Auditorium	5	Nesbit		HV-5				
Return Air Fan	auditorium MER	Auditorium	5	Trane	B1	RAF 2		size 40		Type AF
Exh Fan	Roof	Kitchen	1	Penn	Dyna Fan			50		loose and noisy belts

Northern Valley Regional High School District - Administration Building
162 Knickerbocker Avenue
Demarest, NJ 07627

EXECUTIVE SUMMARY

ENERGY DATA

Existing Energy Usage (Watts)	11,792
Proposed Energy Usage (Watts)	8,889
Energy Saved (Watts)	2,903
Annual Kilowatt Hours Saved (kWh)	13,033

FINANCIAL DATA

Annual Existing Energy Cost	$	8,395.90
Annual Proposed Energy Cost	$	6,328.97
Annual Energy Savings	$	2,066.94
Additional Energy Savings (Occupancy Sensors)	$	252.90
Total Energy Savings	$	2,319.84
Initial Project Cost	$	4,762.11
Utility Rebate (Based on NJ Smart Start Approval)	$	175.00
Project Cost	$	4,587.11

CASH FLOW SUMMARY

Return On Investment (R.O.I.)		45%
Payback (Years)		2.22
10 Year Savings	$	20,669.36
10-Year Cumulative Positive Cash Flow	$	16,082.25

Northern Valley Regional High School District - Administration B
162 Knickerbocker Avenue
Demarest, NJ 07627

New Jersey

Joanne Spadaccini
201-768-2200 x12060

BUILDING TYPE	BOE
SQUARE FOOTAGE	9,500

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl. Qty.	Repl. Fix Wts	Total Fix Wts	Proposed An. Cost	Opr. Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec. Savings	Annual Sens. Savings
1	1	Administration Bulding		ENTRANCE	4L F32T8 2x4		1	112		112	$79.74	3L F32T8 25W RELAMP		$ -	1	86	86	$61.23	4000	26	104	18.512	$ 18.51	
2	1	Administration Bulding		CONFERENCE ROOM	4L F32T8 2x4		6	112		672	$478.46	4L F32T8 25W RELAMP		$ -	6	86	516	$367.39	4000	156	624	111.072	$ 111.07	
3	1	Administration Bulding		RECEPTIONIST	4L F32T8 2x4		1	112		112	$79.74	4L F32T8 25W RELAMP		$ -	1	86	86	$61.23	4000	26	104	18.512	$ 18.51	
4	1	Administration Bulding		KITCHEN	4L F32T8 2x4		4	112		448	$318.98	4L F32T8 25W RELAMP		$ -	4	86	344	$244.93	4000	104	416	74.048	$ 74.05	
5	1	Administration Bulding		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 73.48
6	1	Administration Bulding		COMPUTER ROOM	3L F32T8 2x4		4	88	26	352	$250.62	3L F32T8 25W RELAMP		$ -	4	66	264	$187.97	4000	88	352	62.656	$ 62.66	
7	1	Administration Bulding		MENS BATHROOM	2L F32T8 WRAP		3	60		180	$128.16	2L F32T8 25W RELAMP		$ -	3	43	129	$91.85	4000	51	204	36.312	$ 36.31	
8	1	Administration Bulding		HANDICAP BATHROOM	100W A Open Socket		1	100		100	$71.20	20W CFL		$ -	1	20	20	$14.24	4000	80	320	56.96	$ 56.96	
9	1	Administration Bulding		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 4.27
10	1	Administration Bulding		WOMENS BATHROOM	2L F32T8 WRAP		2	60		120	$85.44	2L F32T8 25W RELAMP		$ -	2	43	86	$61.23	4000	34	136	24.208	$ 24.21	
11	1	Administration Bulding		OPEN OFFICE	4L F32T8 2x4		13	112	34	1456	$1,036.67	4L F32T8 25W RELAMP		$ -	13	86	1118	$796.02	4000	338	1352	240.656	$ 240.66	
12	1	Administration Bulding		OFFICE FEMIA	4L F32T8 2x4		2	112		224	$159.49	4L F32T8 25W RELAMP		$ -	2	86	172	$122.46	4000	52	208	37.024	$ 37.02	
13	1	Administration Bulding		OFFICE PARDUCCI	4L F32T8 2x4		2	112		224	$159.49	4L F32T8 25W RELAMP		$ -	2	86	172	$122.46	4000	52	208	37.024	$ 37.02	
14	1	Administration Bulding		OFFICE PARDUCCI	2L FB32T8 U6 2x2		2	60		120	$85.44	2L FB32T8 25W U6 RELAMP		$ -	2	43	86	$61.23	4000	34	136	24.208	$ 24.21	
15	1	Administration Bulding		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 55.11
16	1	Administration Bulding		OFFICE JACOBUS	3L F32T8 2x4		2	88	51	176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
17	1	Administration Bulding		SUPPLY ROOM	2L FB32T8 U6 2x2		2	60		120	$85.44	2L FB32T8 25W U6 RELAMP		$ -	2	43	86	$61.23	4000	34	136	24.208	$ 24.21	
18	1	Administration Bulding		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.37
19	1	Administration Bulding		SAFE/ STORAGE	2L F32T8 WRAP		2	60		120	$85.44	2L F32T8 25W RELAMP		$ -	2	43	86	$61.23	4000	34	136	24.208	$ 24.21	
20	1	Administration Bulding		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.37
21	1	Administration Bulding		COPY ROOM	4L F32T8 2x4		4	112		448	$318.98	4L F32T8 25W RELAMP		$ -	4	86	344	$244.93	4000	104	416	74.048	$ 74.05	
22	1	Administration Bulding		HALLWAY	4L F32T8 2x4		13	112		1456	$1,036.67	4L F32T8 25W RELAMP		$ -	13	86	1118	$796.02	4000	338	1352	240.656	$ 240.66	
23	1	Administration Bulding		CST STORAGE	2L F32T8 WRAP		3	60		180	$128.16	2L F32T8 25W RELAMP		$ -	3	43	129	$91.85	4000	51	204	36.312	$ 36.31	
24	1	Administration Bulding		ROOM 2	4L F32T8 2x4		2	112	27	224	$159.49	4L F32T8 25W RELAMP		$ -	2	86	172	$122.46	4000	52	208	37.024	$ 37.02	
25	1	Administration Bulding		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 36.74
26	1	Administration Bulding		LIBRARY	4L F32T8 2x4		8	112	49	896	$637.95	4L F32T8 25W RELAMP		$ -	8	86	688	$489.86	4000	208	832	148.096	$ 148.10	
27	1	Administration Bulding		OPEN OFFICE	4L F32T8 2x4		9	112	26	1008	$717.70	4L F32T8 25W RELAMP		$ -	9	86	774	$551.09	4000	234	936	166.608	$ 166.61	
28	1	Administration Bulding		OFFICE 1	4L F32T8 2x4		2	112		224	$159.49	4L F32T8 25W RELAMP		$ -	2	86	172	$122.46	4000	52	208	37.024	$ 37.02	
29	1	Administration Bulding		OFFICE 2	3L F32T8 2x4		2	88		176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
30	1	Administration Bulding		OFFICE 3	3L F32T8 2x4		2	88	28	176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
31	1	Administration Bulding		OFFICE 4	3L F32T8 2x4		2	88		176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
32	1	Administration Bulding		OFFICE 5	3L F32T8 2x4		2	88		176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
33	1	Administration Bulding		OFFICE 6	3L F32T8 2x4		2	88	42	176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
34	1	Administration Bulding		SECRETARY	3L F32T8 2x4		4	88		352	$250.62	3L F32T8 25W RELAMP		$ -	4	66	264	$187.97	4000	88	352	62.656	$ 62.66	
35	1	Administration Bulding		OFFICE 7	3L F32T8 2x4		2	88		176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
36	1	Administration Bulding		FILES	3L F32T8 2x4		2	88		176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
37	1	Administration Bulding		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 28.20
38	1	Administration Bulding		CONFERENCE ROOM	3L F32T8 2x4		2	88		176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
39	1	Administration Bulding		CONFERENCE ROOM	2L FB32T8 U6 2x2		2	60		120	$85.44	2L FB32T8 25W U6 RELAMP		$ -	2	43	86	$61.23	4000	34	136	24.208	$ 24.21	
40	1	Administration Bulding		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.37
41	1	Administration Bulding		HUGHES OFFICE 8	3L F32T8 2x4		2	88		176	$125.31	3L F32T8 25W RELAMP		$ -	2	66	132	$93.98	4000	44	176	31.328	$ 31.33	
42	1	Administration Bulding		OFFICE 9	3L F32T8 2x4		4	88		352	$250.62	3L F32T8 25W RELAMP		$ -	4	66	264	$187.97	4000	88	352	62.656	$ 62.66	
43	1	Administration Bulding		OFFICE 10	3L F32T8 2x4		4	88		352	$250.62	3L F32T8 25W RELAMP		$ -	4	66	264	$187.97	4000	88	352	62.656	$ 62.66	
44	1	Administration Bulding		BACK ENTRANCE	2L F32T8 WRAP		1	60		60	$42.72	2L F32T8 25W RELAMP		$ -	1	43	43	$30.62	4000	17	68	12.104	$ 12.10	
										11,792	$8,395.90			$ 175.00			8889	$6,328.9680	**KW SAVED >>>>**	**2.90**	**11612**	**2066.936**	**$ 2,066.94**	**$ 252.90**

Electric Rate: $0.178

Total Cost Savir $ 2,319.84

Total kWh Savir 13,032.80

Name:	Northern Valley Regional High School District - Administration Building
Address:	162 Knickerbocker Avenue
City, St.	Demarest, NJ 07627
Contact:	Joanne Spadaccini
Phone:	201-768-2200 x12060

	LN #	FL #	Replacement Fixture Description	Repl Qty	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Source	cost lmp	qty ref	Reflector / PowerPack	cost ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	NON UNION Labor Cost	NON UNION Labor Tot. Cost
	1	1	3L F32T8 25W RELAMP	1	1		$ -	3	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 9.00	$ -	$ 11.70	$ 12.00	$ 12.00
	2	1	4L F32T8 25W RELAMP	6	6		$ -	24	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 72.00	$ -	$ 93.60	$ 12.00	$ 72.00
	3	1	4L F32T8 25W RELAMP	1	1		$ -	4	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 12.00
	4	1	4L F32T8 25W RELAMP	4	4		$ -	16	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 48.00	$ -	$ 62.40	$ 12.00	$ 48.00
	5	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	6	1	3L F32T8 25W RELAMP	4	4		$ -	12	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 48.00
	7	1	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
	8	1	20W CFL	1	1		$ -	1	20W CFL	$ 10.00			$ -	$ -	$ 10.00	$ -	$ 13.00	$ 10.00	$ 10.00
	9	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00			$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	10	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
	11	1	4L F32T8 25W RELAMP	13	13		$ -	52	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 156.00	$ -	$ 202.80	$ 12.00	$ 156.00
	12	1	4L F32T8 25W RELAMP	2	2		$ -	8	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 24.00
	13	1	4L F32T8 25W RELAMP	2	2		$ -	8	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 24.00
	14	1	2L FB32T8 25W U6 RELAMP	2	2		$ -	4	FB32T8 25W U6 LAMP	$ 6.00			$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 24.00
	15	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00			$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	16	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	17	1	2L FB32T8 25W U6 RELAMP	2	2		$ -	4	FB32T8 25W U6 LAMP	$ 6.00			$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 24.00
	18	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00			$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	19	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
	20	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00			$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	21	1	4L F32T8 25W RELAMP	4	4		$ -	16	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 48.00	$ -	$ 62.40	$ 12.00	$ 48.00
	22	1	4L F32T8 25W RELAMP	13	13		$ -	52	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 156.00	$ -	$ 202.80	$ 12.00	$ 156.00
	23	1	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
	24	1	4L F32T8 25W RELAMP	2	2		$ -	8	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 24.00
	25	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00			$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	26	1	4L F32T8 25W RELAMP	8	8		$ -	32	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 96.00	$ -	$ 124.80	$ 12.00	$ 96.00
	27	1	4L F32T8 25W RELAMP	9	9		$ -	36	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 108.00
	28	1	4L F32T8 25W RELAMP	2	2		$ -	8	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 24.00
	29	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	30	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	31	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	32	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	33	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	34	1	3L F32T8 25W RELAMP	4	4		$ -	12	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 48.00
	35	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	36	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	37	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00			$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	38	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	39	1	2L FB32T8 25W U6 RELAMP	2	2		$ -	4	FB32T8 25W U6 LAMP	$ 6.00			$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 24.00
	40	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00			$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	41	1	3L F32T8 25W RELAMP	2	2		$ -	6	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 24.00
	42	1	3L F32T8 25W RELAMP	4	4		$ -	12	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 48.00
	43	1	3L F32T8 25W RELAMP	4	4		$ -	12	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 48.00
	44	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00			$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
														$ -	$ 1,753.00	$ 35.00	$ 2,324.40	Total	$ 1,750.00
																With Tax	$ 2,487.11	CONT	$ -
																		Equipment	$ -
																		Total Labor:	$ 2,275.00
																		Total project	$ 4,762.11

NEW JERSEY SMART START REBATE	$ 175.00

Northern Valley Regional High School - Demarest HS
162 Knickerbocker Avenue
Demarest, NJ 07627

EXECUTIVE SUMMARY

ENERGY DATA

Existing Energy Usage (Watts)	217,641
Proposed Energy Usage (Watts)	107,561
Energy Saved (Watts)	110,080
Annual Kilowatt Hours Saved (kWh)	487,273

FINANCIAL DATA

Annual Existing Energy Cost	$	156,905.44
Annual Proposed Energy Cost	$	77,487.62
Annual Energy Savings	$	79,417.82
Additional Energy Savings (Occupancy Sensors)	$	8,291.38
Total Energy Savings	$	87,709.20
Initial Project Cost	$	162,210.09
Utility Rebate (Based on NJ Smart Start Approval)	$	31,710.00
Project Cost	$	130,500.09

CASH FLOW SUMMARY

Return On Investment (R.O.I.)		61%
Payback (Years)		1.64
10 Year Savings	$	794,178.22
10-Year Cumulative Positive Cash Flow	$	663,678.13

Northern Valley Regional High School - Demarest HS
162 Knickerbocker Avenue
Demarest, NJ 07627

New Jersey

Joanne Spadaccini
201-768-2200 x12060

BUILDING TYPE		School
SQUARE FOOTAGE		164,000

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl. Qty	Repl. Fix Wts	Total Fix Wts	Proposed An. Cost	Opr. Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec. Savings	Annual Sens. Savings
1	1	Administration		ENTRANCE	2L F32T8 2x4		3	60		180	$129.60	2L F32T8 25W RELAMP		$ -	3	43	129	$92.88	4000	51	204	30.72	$ 30.72	
2	1	Administration		MAIN OFFICE	3L F32T8 2x4		9	88		792	$570.24	2L F32T8 25W DELAMP & REFLECTOR	20	$ 180.00	9	43	387	$278.64	4000	405	1620	291.6	$ 291.60	
3	1	Administration		MAIN OFFICE	2L F17T8 2x2		1	37		37	$26.64	NO MEASURE		$ -	1	37	37	$26.64	4000	0	0	0	$ -	
4	1	Administration		PHONE ROOM	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
5	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
6	1	Administration		CONFERENCE	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
7	1	Administration		COPY ROOM	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
8	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
9	1	Administration		OFFICE	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
10	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
11	1	Administration		OFFICE	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
12	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
13	1	Administration		SECRETARY	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
14	1	Administration		KITCHEN	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
15	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
16	1	Administration		WOMENS BATHROOM	4L F32T8 2x4		1	112		112	$80.64	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	69	276	49.68	$ 49.68	
17	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
18	1	Administration		MENS BATHROOM	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
19	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
20	1	Administration		HALL	2L F17T8 2x2		2	37		74	$53.28	NO MEASURE		$ -	2	37	74	$53.28	4000	0	0	0	$ -	
21	1	Administration	A101	PRINCIPAL OFFICE	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
22	1	Administration		NURSES OFFICE	3L F32T8 2x4		6	88		528	$380.16	2L F32T8 25W DELAMP & REFLECTOR	20	$ 120.00	6	43	258	$185.76	4000	270	1080	194.4	$ 194.40	
23	1	A Hall		MENS STAFF	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
24	1	A Hall	A118	FACULTY	3L F32T8 2x4		8	88		704	$506.88	2L F32T8 25W DELAMP & REFLECTOR	20	$ 160.00	8	43	344	$247.68	4000	360	1440	259.2	$ 259.20	
25	1	A Hall		WOMENS STAFF	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
26	1	Guidance	A123	GUIDANCE OPEN AREA	3L F32T8 2x4		11	88	64	968	$696.96	2L F32T8 25W DELAMP & REFLECTOR	20	$ 220.00	11	43	473	$340.56	4000	495	1980	356.4	$ 356.40	
27	1	Guidance		OFFICE 1	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
28	1	Guidance		OFFICE 2	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
29	1	Guidance		OFFICE 3	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
30	1	Guidance		OFFICE 4	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
31	1	Guidance		OFFICE 5	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
32	1	Guidance		OFFICE 6	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
33	1	Guidance		OFFICE 7	2L FB32T8 U6		2	60	26	120	$86.40	2L F17T8 17W RELAMP / REBALLAST / R	10	$ 20.00	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
34	1	A Hall		JANITORIAL CLOSET	100W A Open Socket		1	100		100	$72.00	20W CFL		$ -	1	20	20	$14.40	4000	80	320	57.6	$ 57.60	
35	1	A Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 4.32
36	1	A Hall		PHONE ROOM	100W A Enclosed Fixture		1	100		100	$72.00	20W CFL		$ -	1	20	20	$14.40	4000	80	320	57.6	$ 57.60	
37	1	A Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 4.32
38	1	A Hall		HALL	2L F32T8 2x4		15	60		900	$648.00	2L F32T8 25W RELAMP		$ -	15	43	645	$464.40	4000	255	1020	183.6	$ 183.60	
39	1	A Hall		HALL	EXIT CFL		1	14		14	$22.08	NEW LED EXIT SIGN	20	$ 20.00	1	3	3	$4.73	8760	11	96.36	17.3448	$ 17.34	
40	1	A Hall	A100	OFFICE	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
41	1	B Hall		B HALL	4L F32T8 2x4 DL-2		21	112		2352	$1,693.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 420.00	21	43	903	$650.16	4000	1449	5796	1043.28	$ 1,043.28	
42	1	B Hall	B100	GUIDANCE CONFERENCE	2L F32T8		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
43	1	B Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
44	1	B Hall		MENS STAFF BATHROOM	2L F32T8		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
45	1	B Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 9.29
46	1	B Hall	B125	CLASSROOM	2L F32T8		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
47	1	B Hall		BOYS ROOM	2L F32T8		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
48	1	B Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 18.58
49	1	B Hall	B101	CLASSROOM	3L F32T8 2x4		12	88	67	1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
50	1	B Hall	B101	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
51	1	B Hall	B101	BATHROOM	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
52	1	B Hall	B101	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 27.86
53	1	B Hall	B103	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
54	1	B Hall	B103	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
55	1	B Hall		TECH ROOM	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
56	1	B Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 37.15
57	1	B Hall		IT	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
58	1	B Hall		IT	2L F32T8		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
59	1	B Hall	B105	HOME ECONOMICS	2L FB32T8 U6		1	60	77	60	$43.20	2L F17T8 17W RELAMP / REBALLAST / R	10	$ 10.00	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
60	1	B Hall	B105	HOME ECONOMICS	4L F32T8 2x4		13	112		1456	$1,048.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 260.00	13	43	559	$402.48	4000	897	3588	645.84	$ 645.84	
61	1	B Hall	B105	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 130.03
62	1	B Hall	B120	TECH CLASSROOM	4L F32T8 2x4		10	112	48	1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
63	1	B Hall	B120	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
64	1	B Hall	B121	CLASSROOM	4L F32T8 2x4		8	112	64	896	$645.12	2L F32T8 25W DELAMP & REFLECTOR	20	$ 160.00	8	43	344	$247.68	4000	552	2208	397.44	$ 397.44	
65	1	B Hall	B121	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 74.30
66	1	B Hall	B122	CLASSROOM	4L F32T8 2x4		10	112		1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
67	1	B Hall	B122	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl. Qty	Repl. Fix Wts	Total Fix Wts	Proposed An. Cost	Opr. Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec. Savings	Annual Sens. Savings
68	1	B Hall	B123	CLASSROOM	4L F32T8 2x4		10	112		1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
69	1	B Hall	B123	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
70	1	C Hall		C HALL	4L F32T8 2x4 DL-3		26	112		2912	$2,096.64	2L F32T8 25W DELAMP & REFLECTOR	20	$ 520.00	26	43	1118	$804.96	4000	1794	7176	1291.68	$ 1,291.68	
71	1	C Hall		C HALL	EXIT CFL		4	14		56	$88.30	NEW LED EXIT SIGN	20	$ 80.00	4	3	12	$18.92	8760	44	385.44	69.3792	$ 69.38	
72	1	C Hall		WOMENS STAFF BATHRO	2L F32T8		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
73	1	C Hall		GIRLS BATHROOM	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
74	1	C Hall	C100	CLASSROOM	4L F32T8 2X4 DL-3		8	112	43	896	$645.12	2L F32T8 25W DELAMP & REFLECTOR	20	$ 160.00	8	43	344	$247.68	4000	552	2208	397.44	$ 397.44	
75	1	C Hall	C100	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 74.30
76	1	C Hall	C102	CLASSROOM	4L F32T8 2x4		10	112	56	1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
77	1	C Hall	C102	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
78	1	C Hall	C109	CLASSROOM	4L F32T8 2X4 DL-3		10	112		1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
79	1	C Hall	C109	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
80	1	C Hall	C103	CLASSROOM	4L F32T8 2X4 DL-3		10	112		1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
81	1	C Hall	C103	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
82	1	C Hall	C108	CLASSROOM	4L F32T8 2X4 DL-3		10	112	58	1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
83	1	C Hall	C108	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
84	1	C Hall	C104	CLASSROOM	3L F32T8 2x4		10	88	59	880	$633.60	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	450	1800	324	$ 324.00	
85	1	C Hall	C104	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
86	1	C Hall	C107	SPECIAL ED HALL	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
87	1	C Hall	C107	OPEN AREA	3L F32T8 2x4		5	88		440	$316.80	2L F32T8 25W DELAMP & REFLECTOR	20	$ 100.00	5	43	215	$154.80	4000	225	900	162	$ 162.00	
88	1	C Hall	C107	OFFICE	3L F32T8 2x4		5	88		440	$316.80	2L F32T8 25W DELAMP & REFLECTOR	20	$ 100.00	5	43	215	$154.80	4000	225	900	162	$ 162.00	
89	1	C Hall	C107	STORAGE	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
90	1	C Hall	C107	STORAGE	4L F32T8 2x4		1	112		112	$80.64	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	69	276	49.68	$ 49.68	
91	1	C Hall	C107	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 18.58
92	1	C Hall	C105	CHILD STUDY TEAM	3L F32T8 2x4		4	88	53	352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
93	1	C Hall	C105	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 37.15
94	1	D Hall		D HALL	4L F32T8 2x4 DL-4		13	112		1456	$1,048.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 260.00	13	43	559	$402.48	4000	897	3588	645.84	$ 645.84	
95	1	D Hall		D HALL	2L FB32T8 U6		1	60		60	$43.20	2L F17T8 17W RELAMP / REBALLAST / R	10	$ 10.00	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
96	1	D Hall		D HALL	EXIT CFL		1	14		14	$22.08	NEW LED EXIT SIGN	20	$ 20.00	1	3	3	$4.73	8760	11	96.36	17.3448	$ 17.34	
97	1	D Hall		MEDIA CENTER	3L F32T8 2x4		60	88	40	5280	$3,801.60	2L F32T8 25W DELAMP & REFLECTOR	20	$ 1,200.00	60	43	2580	$1,857.60	4000	2700	10800	1944	$ 1,944.00	
98	1	D Hall		MC OFFICE	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
99	1	D Hall		ACADEMIC THEATER	3L F32T8 2x4		18	88		1584	$1,140.48	2L F32T8 25W DELAMP & REFLECTOR	20	$ 360.00	18	43	774	$557.28	4000	810	3240	583.2	$ 583.20	
100	1	D Hall		ACADEMIC THEATER	100W A Enclosed Fixture		14	100		1400	$1,008.00	20W CFL		$ -	14	20	280	$201.60	4000	1120	4480	806.4	$ 806.40	
101	1	D Hall		COMPUTER LAB	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
102	1	D Hall	D105	MEDIA SERVICES	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
103	1	D Hall	D105	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 37.15
104	1	D Hall		FACULTY DINNING	2L F32T8 2x4		14	60		840	$604.80	2L F32T8 25W RELAMP		$ -	14	43	602	$433.44	4000	238	952	171.36	$ 171.36	
105	1	D Hall		BACK HALL/ STAIRS	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
106	1	D Hall		LADIES ROOM	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
107	1	D Hall		CUSTODIAN ROOM	2L F32T8 2x4		3	60		180	$129.60	2L F32T8 25W RELAMP		$ -	3	43	129	$92.88	4000	51	204	36.72	$ 36.72	
108	1	D Hall		CUSTODIAN ROOM	100W A Open Socket		1	100		100	$72.00	20W CFL		$ -	1	20	20	$14.40	4000	80	320	57.6	$ 57.60	
109	1	D Hall		CUSTODIAN ROOM	EXIT CFL		1	14		14	$22.08	NEW LED EXIT SIGN	20	$ 20.00	1	3	3	$4.73	8760	11	96.36	17.3448	$ 17.34	
110	1	D Hall		BOILER ROOM	2L F32T8 2x4		3	60		180	$129.60	2L F32T8 25W RELAMP		$ -	3	43	129	$92.88	4000	51	204	36.72	$ 36.72	
111	1	D Hall		BOILER ROOM	100W A Open Socket		6	100		600	$432.00	20W CFL		$ -	6	20	120	$86.40	4000	480	1920	345.6	$ 345.60	
112	1	D Hall		SHOP	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
113	1	D Hall		SHOP	2L F32T8 2x4		4	60		240	$172.80	2L F32T8 25W RELAMP		$ -	4	43	172	$123.84	4000	68	272	48.96	$ 48.96	
114	1	D Hall		WORK BENCH	2L F32T12 Strip		1	80		80	$57.60	2L F32T8 25W RELAMP & REBALLAST	10	$ 10.00	1	43	43	$30.96	4000	37	148	26.64	$ 26.64	
115	1	D Hall		B STORAGE AREA	100W A Open Socket		21	100		2100	$1,512.00	20W CFL		$ -	21	20	420	$302.40	4000	1680	6720	1209.6	$ 1,209.60	
116	1	D Hall		KITCHEN	2L F32T8 2x4		45	60		2700	$1,944.00	2L F32T8 25W RELAMP		$ -	45	43	1935	$1,393.20	4000	765	3060	550.8	$ 550.80	
117	1	D Hall		OFFICE	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
118	1	D Hall		HOODS	100W A Enclosed Fixture		4	100		400	$288.00	20W CFL		$ -	4	20	80	$57.60	4000	320	1280	230.4	$ 230.40	
119	1	D Hall		CAFETERIA	2L F32T8 2x4		20	60		1200	$864.00	2L F32T8 25W RELAMP		$ -	20	43	860	$619.20	4000	340	1360	244.8	$ 244.80	
120	1	D Hall		CAFETERIA	4L F32T8 2x4		50	112		5600	$4,032.00	2L F32T8 25W DELAMP & REFLECTOR	20	$ 1,000.00	50	43	2150	$1,548.00	4000	3450	13800	2484	$ 2,484.00	
121	1	E Hall		E HALL	2L F32T8 2x4		37	60		2220	$1,598.40	2L F32T8 25W RELAMP		$ -	37	43	1591	$1,145.52	4000	629	2516	452.88	$ 452.88	
122	1	E Hall	E100	HEALTH ED CLASSROOM	4L F32T8 2x4		18	112	52	2016	$1,451.52	2L F32T8 25W DELAMP & REFLECTOR	20	$ 360.00	18	43	774	$557.28	4000	1242	4968	894.24	$ 894.24	
123	1	E Hall	E100	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 167.18
124	1	E Hall	E105	ATHLETICS & PHYS ED	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
125	1	E Hall	E105	ATHLETICS & PHYS ED	2L F32T12 Wrap		6	80		480	$345.60	2L F32T8 25W RELAMP & REBALLAST	10	$ 60.00	6	43	258	$185.76	4000	222	888	159.84	$ 159.84	
126	1	E Hall		OFFICE	2L F32T12 Wrap		2	80		160	$115.20	2L F32T8 25W RELAMP & REBALLAST	10	$ 20.00	2	43	86	$61.92	4000	74	296	53.28	$ 53.28	
127	1	E Hall		CONFERENCE ROOM	2L F32T12 Wrap		2	80		160	$115.20	2L F32T8 25W RELAMP & REBALLAST	10	$ 20.00	2	43	86	$61.92	4000	74	296	53.28	$ 53.28	
128	1	E Hall		WOMENS BATHROOM	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
129	1	E Hall	E109	GRAPHIC ARTS	3L F32T8 2x4		18	88	36	1584	$1,140.48	2L F32T8 25W DELAMP & REFLECTOR	20	$ 360.00	18	43	774	$557.28	4000	810	3240	583.2	$ 583.20	
130	1	E Hall	E109	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 167.18
131	1	E Hall	E110	SHOP	2L F32T8 2x4		33	60	35	1980	$1,425.60	2L F32T8 25W RELAMP		$ -	33	43	1419	$1,021.68	4000	561	2244	403.92	$ 403.92	
132	1	E Hall	E110	STORAGE	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
133	1	E Hall	E111	TECH CNTR/ ADVANCED S	4L F32T8 2X4 DL-3		30	112		3360	$2,419.20	2L F32T8 25W DELAMP & REFLECTOR	20	$ 600.00	30	43	1290	$928.80	4000	2070	8280	1490.4	$ 1,490.40	
134	1	E Hall	E111	TECH CNTR/ ADVANCED S	100W A Enclosed Fixture		4	100		400	$288.00	20W CFL		$ -	4	20	80	$57.60	4000	320	1280	230.4	$ 230.40	
135	1	E Hall	E111	OFFICE	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
136	1	E Hall		STORAGE	100W A Open Socket		1	100		100	$72.00	20W CFL		$ -	1	20	20	$14.40	4000	80	320	57.6	$ 57.60	
137	1	E Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 4.32
138	1	F Hall		F HALL	2L F32T8 2x4		68	60		4080	$2,937.60	2L F32T8 25W RELAMP		$ -	68	43	2924	$2,105.28	4000	1156	4624	832.32	$ 832.32	
139	1	F Hall	F110	CLASSROOM	2L F32T8 2x4		9	60	38	540	$388.80	2L F32T8 25W RELAMP		$ -	9	43	387	$278.64	4000	153	612	110.16	$ 110.16	
140	1	F Hall	F110	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 83.59
141	1	F Hall	F111	CLASSROOM	2L F32T8 2x4		9	60		540	$388.80	2L F32T8 25W RELAMP		$ -	9	43	387	$278.64	4000	153	612	110.16	$ 110.16	
142	1	F Hall	F111	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 83.59
143	1	F Hall	F112	CLASSROOM	3L F32T8 2x4		6	88	53	528	$380.16	2L F32T8 25W DELAMP & REFLECTOR	20	$ 120.00	6	43	258	$185.76	4000	270	1080	194.4	$ 194.40	
144	1	F Hall	F113	CLASSROOM	3L F32T8 2x4		6	88		528	$380.16	2L F32T8 25W DELAMP & REFLECTOR	20	$ 120.00	6	43	258	$185.76	4000	270	1080	194.4	$ 194.40	
145	1	F Hall	F114	CLASSROOM	2L F32T8 2x4		30	60	33	1800	$1,296.00	2L F32T8 25W RELAMP		$ -	30	43	1290	$928.80	4000	510	2040	367.2	$ 367.20	

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix Wts.	Foot Candle	Total Fix Wts.	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl Qty.	Repl. Fix Wts.	Total Fix Wts.	Proposed An. Cost	Opr. Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec. Savings	Annual Sens. Savings
146	1	F Hall		WOMENS BATHROOM	1L F32T8 Wrap		1	30		30	$21.60	1L F32T8 25W RELAMP		$ -	1	22	22	$15.84	4000	8	32	5.76	$ 5.76	
147	1	F Hall		CUSTODIAL	15W CFL		1	15		15	$10.80	NO MEASURE		$ -	1	15	15	$10.80	4000	0	0	0	$ -	
148	1	F Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 3.24
149	1	F Hall		AV STORAGE	1L F32T8 Wrap		1	30		30	$21.60	1L F32T8 25W RELAMP		$ -	1	22	22	$15.84	4000	8	32	5.76	$ 5.76	
150	1	F Hall		WARDROBE	1L F32T8 Wrap		3	30		90	$64.80	1L F32T8 25W RELAMP		$ -	3	22	66	$47.52	4000	24	96	17.28	$ 17.28	
151	1	F Hall		MENS BATHROOM	1L F32T8 Wrap		1	30		30	$21.60	1L F32T8 25W RELAMP		$ -	1	22	22	$15.84	4000	8	32	5.76	$ 5.76	
152	1	F Hall		AUDITORIUM	4L F32T8 2x8 with Reflector		20	112		2240	$1,612.80	4L F32T8 25W RELAMP	20	$ 400.00	20	86	1720	$1,238.40	4000	520	2080	374.4	$ 374.40	
153	1	F Hall		AUDITORIUM	120 R38 D		129	120		15480	$11,145.60	23W PAR38 CFL DIMM		$ -	129	23	2967	$2,136.24	4000	12513	50052	9009.36	$ 9,009.36	
154	1	F Hall		AUDITORIUM	EXIT CFL		4	14		56	$88.30	NEW LED EXIT SIGN	20	$ 80.00	4	3	12	$18.92	8760	44	385.44	69.3792	$ 69.38	
155	1	F Hall		MECHANICAL ROOM	15W CFL		3	15		45	$32.40	NO MEASURE		$ -	3	15	45	$32.40	4000	0	0	0	$ -	
156	1	F Hall		PROJECTION ROOM	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
157	1	F Hall		BACK STAGE	2L F32T8 2x4		20	60		1200	$864.00	2L F32T8 25W RELAMP		$ -	20	43	860	$619.20	4000	340	1360	244.8	$ 244.80	
158	1	F Hall		BACK STAGE	EXIT CFL		2	14		28	$44.15	NEW LED EXIT SIGN	20	$ 40.00	2	3	6	$9.46	8760	22	192.72	34.6896	$ 34.69	
159	1	F Hall	F123	MUSIC	2L F32T8 2x4		17	60		1020	$734.40	2L F32T8 25W RELAMP		$ -	17	43	731	$526.32	4000	289	1156	208.08	$ 208.08	
160	1	F Hall		FILE STORAGE	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
161	1	F Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
162	1	F Hall		MUSIC HALL	2L F32T8 2x4		4	60		240	$172.80	2L F32T8 25W RELAMP		$ -	4	43	172	$123.84	4000	68	272	48.96	$ 48.96	
163	1	F Hall		STUDIO 1	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
164	1	F Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
165	1	F Hall		STUDIO 2	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
166	1	F Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
167	1	F Hall		PIANO ROOM	2L F32T8 2x4		4	60		240	$172.80	2L F32T8 25W RELAMP		$ -	4	43	172	$123.84	4000	68	272	48.96	$ 48.96	
168	1	F Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 37.15
169	1	F Hall		OFFICE	2L F32T8 2x4		4	60		240	$172.80	2L F32T8 25W RELAMP		$ -	4	43	172	$123.84	4000	68	272	48.96	$ 48.96	
170	1	F Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 37.15
171	1	F Hall		GIRLS ROOM	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
172	1	F Hall	F126	CHOIR	2L F32T8 2x4		13	60		780	$561.60	2L F32T8 25W RELAMP		$ -	13	43	559	$402.48	4000	221	884	159.12	$ 159.12	
173	1	F Hall	F126	STORAGE	2L F32T8 2x4		3	60		180	$129.60	2L F32T8 25W RELAMP		$ -	3	43	129	$92.88	4000	51	204	36.72	$ 36.72	
174	1	North Gymnasium		NORTH GYM	400W		36	455		16380	$11,793.60	NEW 6L T5HO EL-HBF 2X4 HIGH BAY W/I	100	$ 3,600.00	36	43	1548	$1,114.56	4000	14832	59328	10679.04	$ 10,679.04	
175	1	North Gymnasium		NORTH GYM	100W A Enclosed Fixture		2	100		200	$144.00	20W CFL		$ -	2	20	40	$28.80	4000	160	640	115.2	$ 115.20	
176	1	North Gymnasium		MENS LOCKERS	2L F32T8 2x4		16	60		960	$691.20	2L F32T8 25W RELAMP		$ -	16	43	688	$495.36	4000	272	1088	195.84	$ 195.84	
177	1	North Gymnasium		MENS SHOWERS	2L F32T8 2x4		3	60		180	$129.60	2L F32T8 25W RELAMP		$ -	3	43	129	$92.88	4000	51	204	36.72	$ 36.72	
178	1	North Gymnasium		MENS BATHROOM	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
179	1	North Gymnasium		MENS HALL	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
180	1	North Gymnasium		WEIGHT ROOM	HIGH BAY HID 250W		13	288	35	3744	$2,695.68	NEW 4L T5HO EL-HBF 2X4 HIGH BAY W/I	50	$ 650.00	13	234	3042	$2,190.24	4000	702	2808	505.44	$ 505.44	
181	1	North Gymnasium		SHOT PUT	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
182	1	North Gymnasium		MEDICINE BALL	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
183	1	North Gymnasium		CARDIO	2L F32T8 2x4		4	60		240	$172.80	2L F32T8 25W RELAMP		$ -	4	43	172	$123.84	4000	68	272	48.96	$ 48.96	
184	1	North Gymnasium		CARDIO	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
185	1	North Gymnasium		GIRLS LOCKERS	2L F32T8 2x4		31	60		1860	$1,339.20	2L F32T8 25W RELAMP		$ -	31	43	1333	$959.76	4000	527	2108	379.44	$ 379.44	
186	1	North Gymnasium		GIRLS LOCKERS HALL	2L F32T8 2x4		3	60		180	$129.60	2L F32T8 25W RELAMP		$ -	3	43	129	$92.88	4000	51	204	36.72	$ 36.72	
187	1	North Gymnasium		G HALL	4L F32T8 2x4		31	112		3472	$2,499.84	2L F32T8 25W DELAMP & REFLECTOR	20	$ 620.00	31	43	1333	$959.76	4000	2139	8556	1540.08	$ 1,540.08	
188	1	North Gymnasium		BOYS TEAM ROOM	2L F32T8 2x4		7	60		420	$302.40	2L F32T8 25W RELAMP		$ -	7	43	301	$216.72	4000	119	476	85.68	$ 85.68	
189	1	North Gymnasium		OFFICE	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
190	1	North Gymnasium		AUXILARY GYM	HIGH BAY HID 250W		15	288		4320	$3,110.40	NEW 4L T5HO EL-HBF 2X4 HIGH BAY W/I	50	$ 750.00	15	234	3510	$2,527.20	4000	810	3240	583.2	$ 583.20	
191	1	North Gymnasium		GIRLS TEAM ROOM	2L F32T8 2x4		6	60		360	$259.20	2L F32T8 25W RELAMP		$ -	6	43	258	$185.76	4000	102	408	73.44	$ 73.44	
192	1	North Gymnasium		GIRLS TEAM ROOM	1L F32T8 Wrap		1	30		30	$21.60	1L F32T8 25W RELAMP		$ -	1	22	22	$15.84	4000	8	32	5.76	$ 5.76	
193	1	North Gymnasium		GIRLS TEAM ROOM	EXIT CFL		1	14		14	$22.08	NEW LED EXIT SIGN	20	$ 20.00	1	3	3	$4.73	8760	11	96.36	17.3448	$ 17.34	
194	1	North Gymnasium		OFFICE	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
195	1	North Gymnasium		TRAINER	3L F32T8 2x4		12	88	105	1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
196	1	G Hall		MENS STAFF	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
197	1	G Hall		MENS STAFF	1L F32T8 Wrap		1	30		30	$21.60	1L F32T8 25W RELAMP		$ -	1	22	22	$15.84	4000	8	32	5.76	$ 5.76	
198	1	G Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 23.33
199	1	G Hall		WOMENS STAFF	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
200	1	G Hall		WOMENS STAFF	1L F32T8 Wrap		1	30		30	$21.60	1L F32T8 25W RELAMP		$ -	1	22	22	$15.84	4000	8	32	5.76	$ 5.76	
201	1	G Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 23.33
202	1	G Hall	G106	CLASSROOM	2L F32T8 2x4		24	60	53	1440	$1,036.80	2L F32T8 25W RELAMP		$ -	24	43	1032	$743.04	4000	408	1632	293.76	$ 293.76	
203	1	G Hall	G106	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 222.91
204	1	G Hall		TECH ROOM	2L F32T8 2x4		7	60		420	$302.40	2L F32T8 25W RELAMP		$ -	7	43	301	$216.72	4000	119	476	85.68	$ 85.68	
205	1	G Hall	G105	CLASSROOM	2L F32T8 2x4		21	60		1260	$907.20	2L F32T8 25W RELAMP		$ -	21	43	903	$650.16	4000	357	1428	257.04	$ 257.04	
206	1	G Hall	G105	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 195.05
207	1	G Hall	G119	CLASSROOM	2L F32T8 2x4		15	60	36	900	$648.00	2L F32T8 25W RELAMP		$ -	15	43	645	$464.40	4000	255	1020	183.6	$ 183.60	
208	1	G Hall	G119	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 139.32
209	1	G Hall	G120	CLASSROOM	2L F32T8 2x4		21	60		1260	$907.20	2L F32T8 25W RELAMP		$ -	21	43	903	$650.16	4000	357	1428	257.04	$ 257.04	
210	1	G Hall	G120	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 195.05
211	1	G Hall	G121	CLASSROOM	2L F32T8 2x4		18	60		1080	$777.60	2L F32T8 25W RELAMP		$ -	18	43	774	$557.28	4000	306	1224	220.32	$ 220.32	
212	1	G Hall	G121	OFFICE	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
213	1	G Hall	G121	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
214	1	G Hall	G104	CLASSROOM	3L F32T8 2x4		16	88	62	1408	$1,013.76	2L F32T8 25W DELAMP & REFLECTOR	20	$ 320.00	16	43	688	$495.36	4000	720	2880	518.4	$ 518.40	
215	1	G Hall	G104	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 148.61
216	1	G Hall	G102	STORAGE	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
217	1	G Hall	G103	OFFICE	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
218	1	G Hall	G100	OFFICE	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
219	1	G Hall	G100	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
220	1	G Hall	G118	OFFICE	2L F32T8 2x4		4	60		240	$172.80	2L F32T8 25W RELAMP		$ -	4	43	172	$123.84	4000	68	272	48.96	$ 48.96	
221	1	G Hall	G118	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 37.15
222	1	G Hall	G119	BOOKS	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl. Qty.	Repl. Fix Wts	Total Fix Wts	Proposed An. Cost	Opr. Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec. Savings	Annual Sens. Savings
223	1	H Hall		H HALL	2L F32T8 2x4		15	60		900	$648.00	2L F32T8 25W RELAMP		$ -	15	43	645	$464.40	4000	255	1020	183.6	$ 183.60	
224	1	H Hall	H113	CLASSROOM	3L F32T8 2x4		12	88	61	1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
225	1	H Hall	H113	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
226	1	H Hall	H114	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
227	1	H Hall	H114	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
228	1	H Hall	H115	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
229	1	H Hall	H115	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
230	1	H Hall	H116	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
231	1	H Hall	H116	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
232	1	H Hall	H117	CLOSET	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
233	1	H Hall	H117	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
234	1	J Hall		J HALL	2L F32T8 2x4		13	60		780	$561.60	2L F32T8 25W RELAMP		$ -	13	43	559	$402.48	4000	221	884	159.12	$ 159.12	
235	1	J Hall		J HALL	4L F32T8 2x4		1	112		112	$80.64	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	69	276	49.68	$ 49.68	
236	1	J Hall	J104	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
237	1	J Hall	J105	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
238	1	J Hall	J105	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
239	1	J Hall	J106	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
240	1	J Hall	J106	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
241	1	J Hall		BOYS ROOM	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
242	1	J Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 27.86
243	1	J Hall		GIRLS ROOM	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
244	1	J Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 27.86
245	1	J Hall		SHOWCASE	1L F32T8 Wrap		2	30		60	$43.20	1L F32T8 25W RELAMP		$ -	2	22	44	$31.68	4000	16	64	11.52	$ 11.52	
246	1	J Hall	J110	MECHANICAL ROOM	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
247	1	J Hall	J109	MACHINE ROOM	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
248	1	J Hall	J108	TELEPHONE	1L F32T8 Wrap		1	30		30	$21.60	1L F32T8 25W RELAMP		$ -	1	22	22	$15.84	4000	8	32	5.76	$ 5.76	
249	1	J Hall	J117	ELECTRICAL ROOM	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
250	1	South Gymnasium	H	GYM	6L T5HO		22	351		7722	$5,559.84	NO MEASURE	20	$ 440.00	22	351	7722	$5,559.84	4000	0	0	0	$ -	
251	1	South Gymnasium		GIRLS LOCKERS	2L F32T8 2x4		12	60		720	$518.40	2L F32T8 25W RELAMP		$ -	12	43	516	$371.52	4000	204	816	146.88	$ 146.88	
252	1	South Gymnasium		GIRLS LOCKERS	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
253	1	South Gymnasium		GIRLS BATHROOM	3L F32T8 2x4		5	88		440	$316.80	2L F32T8 25W DELAMP & REFLECTOR	20	$ 100.00	5	43	215	$154.80	4000	225	900	162	$ 162.00	
254	1	South Gymnasium	H106	CLOSET	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
255	1	South Gymnasium	H106	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
256	1	South Gymnasium		OFFICE	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
257	1	South Gymnasium		BATHROOM	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
258	1	South Gymnasium		BOYS LOCKERS	2L F32T8 2x4		14	60		840	$604.80	2L F32T8 25W RELAMP		$ -	14	43	602	$433.44	4000	238	952	171.36	$ 171.36	
259	1	South Gymnasium		BOYS BATHROOM	3L F32T8 2x4		5	88		440	$316.80	2L F32T8 25W DELAMP & REFLECTOR	20	$ 100.00	5	43	215	$154.80	4000	225	900	162	$ 162.00	
260	1	South Gymnasium	H110	CLOSET	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
261	1	South Gymnasium	H110	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
262	1	South Gymnasium		SHOWERS	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
263	1	South Gymnasium		OFFICE	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
264	2	B Hall		BATHROOM	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
265	2	B Hall		B STAIRS	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
266	2	B Hall		B STAIRS	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
267	2	B Hall		B HALL	2L F32T8 2x4		24	60		1440	$1,036.80	2L F32T8 25W RELAMP		$ -	24	43	1032	$743.04	4000	408	1632	293.76	$ 293.76	
268	2	B Hall		B HALL	4L F32T8 2x4		2	112		224	$161.28	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	138	552	99.36	$ 99.36	
269	2	B Hall	B200	WRITING LAB	4L F32T8 2x4		12	112	71	1344	$967.68	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	828	3312	596.16	$ 596.16	
270	2	B Hall	B200	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
271	2	B Hall	B201	CLASSROOM	4L F32T8 2x4		8	112		896	$645.12	2L F32T8 25W DELAMP & REFLECTOR	20	$ 160.00	8	43	344	$247.68	4000	552	2208	397.44	$ 397.44	
272	2	B Hall	B201	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 74.30
273	2	B Hall	B203	SCIENCE	3L F32T8 2x4		17	88		1496	$1,077.12	2L F32T8 25W DELAMP & REFLECTOR	20	$ 340.00	17	43	731	$526.32	4000	765	3060	550.8	$ 550.80	
274	2	B Hall	B203	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 157.90
275	2	B Hall	B203	PREP/OFFICE	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
276	2	B Hall	B204	CLASSROOM	4L F32T8 2x4		7	112		784	$564.48	2L F32T8 25W DELAMP & REFLECTOR	20	$ 140.00	7	43	301	$216.72	4000	483	1932	347.76	$ 347.76	
277	2	B Hall	B204	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 65.02
278	2	B Hall	B205	CLASSROOM	4L F32T8 2x4		32	112	96	3584	$2,580.48	2L F32T8 25W DELAMP & REFLECTOR	20	$ 640.00	32	43	1376	$990.72	4000	2208	8832	1589.76	$ 1,589.76	
279	2	B Hall	B205	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 207.22
280	2	B Hall	B220	CLASSROOM	4L F32T8 2x4		12	112		1344	$967.68	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	828	3312	596.16	$ 596.16	
281	2	B Hall	B220	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
282	2	B Hall	B221	CLASSROOM	4L F32T8 2x4		9	112		1008	$725.76	2L F32T8 25W DELAMP & REFLECTOR	20	$ 180.00	9	43	387	$278.64	4000	621	2484	447.12	$ 447.12	
283	2	B Hall	B221	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 83.59
284	2	B Hall	B222	FOREIGN LANGUAGE	4L F32T8 2x4		4	112		448	$322.56	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	276	1104	198.72	$ 198.72	
285	2	B Hall	B222	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 37.15
286	2	B Hall	B223	ART HISTORY	4L F32T8 2x4		18	112		2016	$1,451.52	2L F32T8 25W DELAMP & REFLECTOR	20	$ 360.00	18	43	774	$557.28	4000	1242	4968	894.24	$ 894.24	
287	2	B Hall	B223	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 167.18
288	2	B Hall		CUSTODIAL CLOSET	100W A Open Socket		1	100		100	$72.00	20W CFL		$ -	1	20	20	$14.40	4000	80	320	57.6	$ 57.60	
289	2	B Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 4.32
290	2	B Hall		MENS BATHROOM	2L F32T8 2x4		3	60		180	$129.60	2L F32T8 25W RELAMP		$ -	3	43	129	$92.88	4000	51	204	36.72	$ 36.72	
291	2	C Hall		C HALL	2L F32T8 2x4		18	60		1080	$777.60	2L F32T8 25W RELAMP		$ -	18	43	774	$557.28	4000	306	1224	220.32	$ 220.32	
292	2	C Hall		C HALL	EXIT CFL		2	14		28	$44.15	NEW LED EXIT SIGN	20	$ 40.00	2	3	6	$9.46	8760	22	192.72	34.6896	$ 34.69	
293	2	C Hall		GIRLS BATHROOM	2L F32T8 2x4		3	60		180	$129.60	2L F32T8 25W RELAMP		$ -	3	43	129	$92.88	4000	51	204	36.72	$ 36.72	
294	2	C Hall	C202	CLASSROOM	3L F32T8 2x4		12	88	56	1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
295	2	C Hall	C202	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
296	2	C Hall	C203	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
297	2	C Hall	C203	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
298	2	C Hall	C204	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
299	2	C Hall	C204	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
300	2	C Hall	C205	CLASSROOM	3L F32T8 2x4		9	88	53	792	$570.24	2L F32T8 25W DELAMP & REFLECTOR	20	$ 180.00	9	43	387	$278.64	4000	405	1620	291.6	$ 291.60	

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl. Qty	Repl. Fix Wts	Total Fix Wts	Proposed An. Cost	Opr. Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec. Savings	Annual Sens. Savings
301	2	C Hall	C205	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 83.59
302	2	C Hall	C206	SOCIAL STUDIES	2L F32T8 2x4		5	60		300	$216.00	2L F32T8 25W RELAMP		$ -	5	43	215	$154.80	4000	85	340	61.2	$ 61.20	
303	2	C Hall	C206	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 46.44
304	2	C Hall		C STAIRS A	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
305	2	C Hall		C STAIRS A	1L F32T8 Wrap		4	30		120	$86.40	1L F32T8 25W RELAMP		$ -	4	22	88	$63.36	4000	32	128	23.04	$ 23.04	
306	2	C Hall	C207	CLASSROOM	4L F32T8 2x4		10	112		1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
307	2	C Hall	C207	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
308	2	C Hall	C208	CLASSROOM	4L F32T8 2x4		10	112	52	1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
309	2	C Hall	C208	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 92.88
310	2	C Hall	C209	CLASSROOM	4L F32T8 2x4		12	112		1344	$967.68	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	828	3312	596.16	$ 596.16	
311	2	C Hall	C209	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
312	2	C Hall	C210	CLASSROOM	4L F32T8 2x4		9	112		1008	$725.76	2L F32T8 25W DELAMP & REFLECTOR	20	$ 180.00	9	43	387	$278.64	4000	621	2484	447.12	$ 447.12	
313	2	C Hall	C210	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 83.59
314	2	C Hall		C STAIRS B	3L F32T8 2x4		2	88		176	$126.72	2L F32T8 25W DELAMP & REFLECTOR	20	$ 40.00	2	43	86	$61.92	4000	90	360	64.8	$ 64.80	
315	2	C Hall		C STAIRS B	1L F32T8 Wrap		3	30		90	$64.80	1L F32T8 25W RELAMP		$ -	3	22	66	$47.52	4000	24	96	17.28	$ 17.28	
316	2	C Hall		C STAIRS B	EXIT CFL		1	14		14	$22.08	NEW LED EXIT SIGN	20	$ 20.00	1	3	3	$4.73	8760	11	96.36	17.3448	$ 17.34	
317	2	G Hall		G HALL	4L F32T8 2x4		10	112		1120	$806.40	2L F32T8 25W DELAMP & REFLECTOR	20	$ 200.00	10	43	430	$309.60	4000	690	2760	496.8	$ 496.80	
318	2	G Hall		SCIENCE OFFICE	2L F32T8 2x4		7	60		420	$302.40	2L F32T8 25W RELAMP		$ -	7	43	301	$216.72	4000	119	476	85.68	$ 85.68	
319	2	G Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 65.02
320	2	G Hall	G204	CLASSROOM	2L F32T8 2x4		21	60		1260	$907.20	2L F32T8 25W RELAMP		$ -	21	43	903	$650.16	4000	357	1428	257.04	$ 257.04	
321	2	G Hall	G204	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 195.05
322	2	G Hall	G205	CLASSROOM	2L F32T8 2x4		24	60		1440	$1,036.80	2L F32T8 25W RELAMP		$ -	24	43	1032	$743.04	4000	408	1632	293.76	$ 293.76	
323	2	G Hall	G205	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 222.91
324	2	G Hall	G206	CLASSROOM	2L F32T8 2x4		18	60	37	1080	$777.60	2L F32T8 25W RELAMP		$ -	18	43	774	$557.28	4000	306	1224	220.32	$ 220.32	
325	2	G Hall	G206	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 167.18
326	2	G Hall	G206	OFFICE	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
327	2	G Hall	G206	PREP ROOM	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
328	2	G Hall		G STAIRS	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
329	2	G Hall		STORAGE CLOSET	100W A Open Socket		1	100		100	$72.00	20W CFL		$ -	1	20	20	$14.40	4000	80	320	57.6	$ 57.60	
330	2	G Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 4.32
331	2	G Hall		MENS STAFF ROOM	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
332	2	G Hall		WOMENS STAFF ROOM	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
333	2	G Hall	G219	CLASSROOM	2L F32T8 2x4		15	60	32	900	$648.00	2L F32T8 25W RELAMP		$ -	15	43	645	$464.40	4000	255	1020	183.6	$ 183.60	
334	2	G Hall	G219	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 139.32
335	2	G Hall	G220	CLASSROOM	2L F32T8 2x4		15	60		900	$648.00	2L F32T8 25W RELAMP		$ -	15	43	645	$464.40	4000	255	1020	183.6	$ 183.60	
336	2	G Hall	G220	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 139.32
337	2	G Hall	G221	CLASSROOM	2L F32T8 2x4		15	60		900	$648.00	2L F32T8 25W RELAMP		$ -	15	43	645	$464.40	4000	255	1020	183.6	$ 183.60	
338	2	G Hall	G221	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 139.32
339	2	B Hall	B206	STORAGE	3L F32T8 2x4		16	88		1408	$1,013.76	2L F32T8 25W DELAMP & REFLECTOR	20	$ 320.00	16	43	688	$495.36	4000	720	2880	518.4	$ 518.40	
340	2	B Hall	B218	OFFICE	2L F32T8 2x4		6	60		360	$259.20	2L F32T8 25W RELAMP		$ -	6	43	258	$185.76	4000	102	408	73.44	$ 73.44	
341	2	B Hall	B218	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 55.73
342	2	B Hall	B219	OFFICE	2L F32T8 2x4		6	60		360	$259.20	2L F32T8 25W RELAMP		$ -	6	43	258	$185.76	4000	102	408	73.44	$ 73.44	
343	2	B Hall	B219	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 55.73
344	2	H Hall		H HALL	2L F32T8 2x4		15	60		900	$648.00	2L F32T8 25W RELAMP		$ -	15	43	645	$464.40	4000	255	1020	183.6	$ 183.60	
345	2	H Hall	H207	ELECTRICAL ROOM	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
346	2	H Hall	H206	CLOSET	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
347	2	H Hall	H206	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
348	2	H Hall	H205	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
349	2	H Hall	H205	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
350	2	H Hall	H204	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
351	2	H Hall	H204	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
352	2	H Hall	H203	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
353	2	H Hall	H203	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
354	2	H Hall	H202	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
355	2	H Hall	H202	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
356	2	H Hall	H201	OFFICE	3L F32T8 2x4		9	88	31	792	$570.24	2L F32T8 25W DELAMP & REFLECTOR	20	$ 180.00	9	43	387	$278.64	4000	405	1620	291.6	$ 291.60	
357	2	H Hall	H201	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 83.59
358	2	J Hall		J HALL	2L F32T8 2x4		13	60		780	$561.60	2L F32T8 25W RELAMP		$ -	13	43	559	$402.48	4000	221	884	159.12	$ 159.12	
359	2	J Hall		J HALL	4L F32T8 2x4		1	112		112	$80.64	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	69	276	49.68	$ 49.68	
360	2	J Hall		J HALL	2L F17T8 2x2		2	37		74	$53.28	NO MEASURE		$ -	2	37	74	$53.28	4000	0	0	0	$ -	
361	2	J Hall		J STAIRS	75W R38		10	75		750	$540.00	23W PAR38 CFL	20	$ 200.00	10	23	230	$165.60	4000	520	2080	374.4	$ 374.40	
362	2	J Hall	J209	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
363	2	J Hall	H209	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
364	2	J Hall	J210	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
365	2	J Hall	J210	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
366	2	J Hall	J211	CLASSROOM	3L F32T8 2x4		12	88		1056	$760.32	2L F32T8 25W DELAMP & REFLECTOR	20	$ 240.00	12	43	516	$371.52	4000	540	2160	388.8	$ 388.80	
367	2	J Hall	J211	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.46
368	2	J Hall	J212	OFFICE	2L F32T8 2x4		8	60		480	$345.60	2L F32T8 25W RELAMP		$ -	8	43	344	$247.68	4000	136	544	97.92	$ 97.92	
369	2	J Hall	J212	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 74.30
370	2	J Hall	J213	OFFICE	2L F32T8 2x4		2	60		120	$86.40	2L F32T8 25W RELAMP		$ -	2	43	86	$61.92	4000	34	136	24.48	$ 24.48	
371	2	J Hall	J213	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 18.58
372	2	J Hall		BOYS BATHROOM	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
373	2	J Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 37.15
374	2	J Hall		GIRLS BATHROOM	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
375	2	J Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 37.15
376	2	J Hall		FACULTY ROOM	3L F32T8 2x4		1	88		88	$63.36	2L F32T8 25W DELAMP & REFLECTOR	20	$ 20.00	1	43	43	$30.96	4000	45	180	32.4	$ 32.40	
377	2	J Hall		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 9.29
378	2	J Hall		GIRLS TEAM ROOM	3L F32T8 2x4		11	88		968	$696.96	2L F32T8 25W DELAMP & REFLECTOR	20	$ 220.00	11	43	473	$340.56	4000	495	1980	356.4	$ 356.40	

LN #	FL. #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl. Qty.	Repl. Fix Wts	Total Fix Wts	Proposed An. Cost	Opr. Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec. Savings	Annual Sens. Savings
379	2	J Hall		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.17
380	2	J Hall	J205	GIRLS COACHES ROOM	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
381	2	J Hall	J205	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 37.15
382	2	J Hall	J206	BOYS COACHES ROOM	3L F32T8 2x4		4	88		352	$253.44	2L F32T8 25W DELAMP & REFLECTOR	20	$ 80.00	4	43	172	$123.84	4000	180	720	129.6	$ 129.60	
383	2	J Hall	J207	BOYS TEAM ROOM	3L F32T8 2x4		11	88		968	$696.96	2L F32T8 25W DELAMP & REFLECTOR	20	$ 220.00	11	43	473	$340.56	4000	495	1980	356.4	$ 356.40	
384	2	J Hall	J208	STORAGE	3L F32T8 2x4		3	88		264	$190.08	2L F32T8 25W DELAMP & REFLECTOR	20	$ 60.00	3	43	129	$92.88	4000	135	540	97.2	$ 97.20	
385	2	J Hall		MENS BATHROOM	2L F32T8 2x4		1	60		60	$43.20	2L F32T8 25W RELAMP		$ -	1	43	43	$30.96	4000	17	68	12.24	$ 12.24	
										217,641	$156,905.44			$ 31,710.00			107561	$77,487.6168	KW SAVED >>>>	110.08	441210.12	79417.82	$ 79,417.82	$ 8,291.38

Electric Rate: $0.18

Total Cost Savings $ 87,709.20

Total kWh Savings 487,273.32

Name:	Northern Valley Regional High School - Demarest HS
Address:	162 Knickerbocker Avenue
City, St.	Demarest, NJ 07627
Contact:	Joanne Spadaccini
Phone:	201-768-2200 x12060

																		NON UNION	
LN #	FL #	Replacement Fixture Description	Repl. Qty	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Sensor	cost lmp	qty ref	Reflector / PowerPack	cost ref	Ballast/Fix. Cost Total	Lamp Cost Total	REFLECT. Cost Total	Material Sell Total	Labor Cost	Labor Tot. Cost
1	1	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
2	1	2L F32T8 25W DELAMP & REFLECTOR	9	9		$ -	18	F32T8 25W LAMP	$ 3.00	9	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 30.00	$ 270.00
3	1	NO MEASURE	1	1		$ -	1		$ -	0		$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
5	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
6	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
7	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
8	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
9	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
10	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
11	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
12	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
13	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
14	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
15	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
16	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
17	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
18	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
19	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
20	1	NO MEASURE	2	2		$ -	2		$ -	0		$ -	$ -	$ -	$ -	$ -	$ -	$ -
21	1	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
22	1	2L F32T8 25W DELAMP & REFLECTOR	6	6		$ -	12	F32T8 25W LAMP	$ 3.00	6	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 30.00	$ 180.00
23	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
24	1	2L F32T8 25W DELAMP & REFLECTOR	8	8		$ -	16	F32T8 25W LAMP	$ 3.00	8	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 48.00	$ 144.00	$ 249.60	$ 30.00	$ 240.00
25	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
26	1	2L F32T8 25W DELAMP & REFLECTOR	11	11		$ -	22	F32T8 25W LAMP	$ 3.00	11	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 66.00	$ 198.00	$ 343.20	$ 30.00	$ 330.00
27	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
28	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
29	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
30	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
31	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
32	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
33	1	2L F17T8 17W RELAMP / REBALLAST / REFL	2	2	BALLAST	$ 12.00	4	F32T8 25W LAMP	$ 3.00	2	2X2 M4 REFLECTOR	$ 12.00	$ 24.00	$ 12.00	$ 24.00	$ 78.00	$ 35.00	$ 70.00
34	1	20W CFL	1	1		$ -	1	20W CFL	$ 10.00	0		$ -	$ -	$ 10.00	$ -	$ 13.00	$ 10.00	$ 10.00
35	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
36	1	20W CFL	1	1		$ -	1	20W CFL	$ 10.00	0		$ -	$ -	$ 10.00	$ -	$ 13.00	$ 10.00	$ 10.00
37	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
38	1	2L F32T8 25W RELAMP	15	15		$ -	30	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 90.00	$ -	$ 117.00	$ 12.00	$ 180.00
39	1	NEW LED EXIT SIGN	1	1	NEW LED EXIT SIGN	$ 55.00	1		$ -	0		$ -	$ 55.00	$ -	$ -	$ 71.50	$ 35.00	$ 35.00
40	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
41	1	2L F32T8 25W DELAMP & REFLECTOR	21	21		$ -	42	F32T8 25W LAMP	$ 3.00	21	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 126.00	$ 378.00	$ 655.20	$ 30.00	$ 630.00
42	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
43	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
44	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
45	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
46	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
47	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
48	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
49	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
50	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
51	1	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
52	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
53	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
54	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
55	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
56	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
57	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
58	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
59	1	2L F17T8 17W RELAMP / REBALLAST / REFL	1	1	BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	1	2X2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 35.00	$ 35.00
60	1	2L F32T8 25W DELAMP & REFLECTOR	13	13		$ -	26	F32T8 25W LAMP	$ 3.00	13	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 78.00	$ 234.00	$ 405.60	$ 30.00	$ 390.00
61	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
62	1	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
63	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
64	1	2L F32T8 25W DELAMP & REFLECTOR	8	8		$ -	16	F32T8 25W LAMP	$ 3.00	8	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 48.00	$ 144.00	$ 249.60	$ 30.00	$ 240.00
65	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
66	1	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
67	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00

LN #	FL #	Replacement Fixture Description	Repl. Qty	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Sensor	cost lmp	qty ref	Reflector / PowerPack	cost ref	Ballast/Fix. Cost Total	Lamp Cost Total	REFLECT. Cost Total	Material Sell Total	Labor Cost	Labor Tot. Cost
68	1	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
69	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
70	1	2L F32T8 25W DELAMP & REFLECTOR	26	26		$ -	52	F32T8 25W LAMP	$ 3.00	26	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 156.00	$ 468.00	$ 811.20	$ 30.00	$ 780.00
71	1	NEW LED EXIT SIGN	4	4	NEW LED EXIT SIGN	$ 55.00	4		$ -	0		$ -	$ 220.00	$ -	$ -	$ 286.00	$ 35.00	$ 140.00
72	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
73	1	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
74	1	2L F32T8 25W DELAMP & REFLECTOR	8	8		$ -	16	F32T8 25W LAMP	$ 3.00	8	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 48.00	$ 144.00	$ 249.60	$ 30.00	$ 240.00
75	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
76	1	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
77	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
78	1	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
79	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
80	1	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
81	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
82	1	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
83	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
84	1	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
85	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
86	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
87	1	2L F32T8 25W DELAMP & REFLECTOR	5	5		$ -	10	F32T8 25W LAMP	$ 3.00	5	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 30.00	$ 90.00	$ 156.00	$ 30.00	$ 150.00
88	1	2L F32T8 25W DELAMP & REFLECTOR	5	5		$ -	10	F32T8 25W LAMP	$ 3.00	5	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 30.00	$ 90.00	$ 156.00	$ 30.00	$ 150.00
89	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
90	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
91	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
92	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
93	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
94	1	2L F32T8 25W DELAMP & REFLECTOR	13	13		$ -	26	F32T8 25W LAMP	$ 3.00	13	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 78.00	$ 234.00	$ 405.60	$ 30.00	$ 390.00
95	1	2L F17T8 17W RELAMP / REBALLAST / REFL	1	1	BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	1	2X2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 35.00	$ 35.00
96	1	NEW LED EXIT SIGN	1	1	NEW LED EXIT SIGN	$ 55.00	1		$ -	0		$ -	$ 55.00	$ -	$ -	$ 71.50	$ 35.00	$ 35.00
97	1	2L F32T8 25W DELAMP & REFLECTOR	60	60		$ -	120	F32T8 25W LAMP	$ 3.00	60	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 360.00	$ 1,080.00	$ 1,872.00	$ 30.00	$ 1,800.00
98	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
99	1	2L F32T8 25W DELAMP & REFLECTOR	18	18		$ -	36	F32T8 25W LAMP	$ 3.00	18	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 30.00	$ 540.00
100	1	20W CFL	14	14		$ -	14	20W CFL	$ 10.00	0		$ -	$ -	$ 140.00	$ -	$ 182.00	$ 10.00	$ 140.00
101	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
102	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
103	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
104	1	2L F32T8 25W RELAMP	14	14		$ -	28	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 84.00	$ -	$ 109.20	$ 12.00	$ 168.00
105	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
106	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
107	1	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
108	1	20W CFL	1	1		$ -	1	20W CFL	$ 10.00	0		$ -	$ -	$ 10.00	$ -	$ 13.00	$ 10.00	$ 10.00
109	1	NEW LED EXIT SIGN	1	1	NEW LED EXIT SIGN	$ 55.00	1		$ -	0		$ -	$ 55.00	$ -	$ -	$ 71.50	$ 35.00	$ 35.00
110	1	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
111	1	20W CFL	6	6		$ -	6	20W CFL	$ 10.00	0		$ -	$ -	$ 60.00	$ -	$ 78.00	$ 10.00	$ 60.00
112	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
113	1	2L F32T8 25W RELAMP	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
114	1	2L F32T8 25W RELAMP & REBALLAST	1	1	BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ 12.00	$ 6.00	$ -	$ 23.40	$ 30.00	$ 30.00
115	1	20W CFL	21	21		$ -	21	20W CFL	$ 10.00	0		$ -	$ -	$ 210.00	$ -	$ 273.00	$ 10.00	$ 210.00
116	1	2L F32T8 25W RELAMP	45	45		$ -	90	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 270.00	$ -	$ 351.00	$ 12.00	$ 540.00
117	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
118	1	20W CFL	4	4		$ -	4	20W CFL	$ 10.00	0		$ -	$ -	$ 40.00	$ -	$ 52.00	$ 10.00	$ 40.00
119	1	2L F32T8 25W RELAMP	20	20		$ -	40	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 120.00	$ -	$ 156.00	$ 12.00	$ 240.00
120	1	2L F32T8 25W DELAMP & REFLECTOR	50	50		$ -	100	F32T8 25W LAMP	$ 3.00	50	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 300.00	$ 900.00	$ 1,560.00	$ 30.00	$ 1,500.00
121	1	2L F32T8 25W RELAMP	37	37		$ -	74	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 222.00	$ -	$ 288.60	$ 12.00	$ 444.00
122	1	2L F32T8 25W DELAMP & REFLECTOR	18	18		$ -	36	F32T8 25W LAMP	$ 3.00	18	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 30.00	$ 540.00
123	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
124	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
125	1	2L F32T8 25W RELAMP & REBALLAST	6	6	BALLAST	$ 12.00	12	F32T8 25W LAMP	$ 3.00	0		$ -	$ 72.00	$ 36.00	$ -	$ 140.40	$ 30.00	$ 180.00
126	1	2L F32T8 25W RELAMP & REBALLAST	2	2	BALLAST	$ 12.00	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ 24.00	$ 12.00	$ -	$ 46.80	$ 30.00	$ 60.00
127	1	2L F32T8 25W RELAMP & REBALLAST	2	2	BALLAST	$ 12.00	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ 24.00	$ 12.00	$ -	$ 46.80	$ 30.00	$ 60.00
128	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
129	1	2L F32T8 25W DELAMP & REFLECTOR	18	18		$ -	36	F32T8 25W LAMP	$ 3.00	18	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 30.00	$ 540.00
130	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
131	1	2L F32T8 25W RELAMP	33	33		$ -	66	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 198.00	$ -	$ 257.40	$ 12.00	$ 396.00
132	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
133	1	2L F32T8 25W DELAMP & REFLECTOR	30	30		$ -	60	F32T8 25W LAMP	$ 3.00	30	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 180.00	$ 540.00	$ 936.00	$ 30.00	$ 900.00
134	1	20W CFL	4	4		$ -	4	20W CFL	$ 10.00	0		$ -	$ -	$ 40.00	$ -	$ 52.00	$ 10.00	$ 40.00
135	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
136	1	20W CFL	1	1		$ -	1	20W CFL	$ 10.00	0		$ -	$ -	$ 10.00	$ -	$ 13.00	$ 10.00	$ 10.00
137	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
138	1	2L F32T8 25W RELAMP	68	68		$ -	136	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 408.00	$ -	$ 530.40	$ 12.00	$ 816.00
139	1	2L F32T8 25W RELAMP	9	9		$ -	18	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 54.00	$ -	$ 70.20	$ 12.00	$ 108.00
140	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
141	1	2L F32T8 25W RELAMP	9	9		$ -	18	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 54.00	$ -	$ 70.20	$ 12.00	$ 108.00
142	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
143	1	2L F32T8 25W DELAMP & REFLECTOR	6	6		$ -	12	F32T8 25W LAMP	$ 3.00	6	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 30.00	$ 180.00
144	1	2L F32T8 25W DELAMP & REFLECTOR	6	6		$ -	12	F32T8 25W LAMP	$ 3.00	6	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 30.00	$ 180.00
145	1	2L F32T8 25W RELAMP	30	30		$ -	60	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 180.00	$ -	$ 234.00	$ 12.00	$ 360.00

LN #	FL #	Replacement Fixture Description	Repl Qty.	qty fix	Fixture / Ballast	cost fix	qty imp	Lamp / Sensor	cost imp	qty ref	Reflector / PowerPack	cost ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot. Cost
146	1	1L F32T8 25W RELAMP	1	1		$ -	1	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
147	1	NO MEASURE	1	1		$ -	1		$ -	0		$ -	$ -	$ -	$ -	$ -	$ -	$ -
148	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
149	1	1L F32T8 25W RELAMP	1	1		$ -	1	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
150	1	1L F32T8 25W RELAMP	3	3		$ -	3	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 9.00	$ -	$ 11.70	$ 12.00	$ 36.00
151	1	1L F32T8 25W RELAMP	1	1		$ -	1	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
152	1	4L F32T8 25W RELAMP	20	20		$ -	80	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 240.00	$ -	$ 312.00	$ 12.00	$ 240.00
153	1	23W PAR38 CFL DIMM	129	129		$ -	129	23W PAR38 CFL DIM	$ 18.00	0		$ -	$ -	$ 2,322.00	$ -	$ 3,018.60	$ 10.00	$ 1,290.00
154	1	NEW LED EXIT SIGN	4	4	NEW LED EXIT SIGN	$ 55.00	4		$ -	0		$ -	$ 220.00	$ -	$ -	$ 286.00	$ 35.00	$ 140.00
155	1	NO MEASURE	3	3		$ -	3		$ -	0		$ -	$ -	$ -	$ -	$ -	$ -	$ -
156	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
157	1	2L F32T8 25W RELAMP	20	20		$ -	40	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 120.00	$ -	$ 156.00	$ 12.00	$ 240.00
158	1	NEW LED EXIT SIGN	2	2	NEW LED EXIT SIGN	$ 55.00	2		$ -	0		$ -	$ 110.00	$ -	$ -	$ 143.00	$ 35.00	$ 70.00
159	1	2L F32T8 25W RELAMP	17	17		$ -	34	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 102.00	$ -	$ 132.60	$ 12.00	$ 204.00
160	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
161	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
162	1	2L F32T8 25W RELAMP	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
163	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
164	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
165	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
166	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
167	1	2L F32T8 25W RELAMP	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
168	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
169	1	2L F32T8 25W RELAMP	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
170	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
171	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
172	1	2L F32T8 25W RELAMP	13	13		$ -	26	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 78.00	$ -	$ 101.40	$ 12.00	$ 156.00
173	1	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
174	1	NEW 6L T5HO EL-HBF 2X4 HIGH BAY W/LENS &	36	36	NEW 6L T5HO EL-HBF 2X4 HIGH BAY W/GUARD	$250.00	36		$ -	36		$ -	$ 9,000.00	$ -	$ -	$ 11,700.00	$ 75.00	$ 2,700.00
175	1	20W CFL	2	2		$ -	2	20W CFL	$ 10.00	0		$ -	$ -	$ 20.00	$ -	$ 26.00	$ 10.00	$ 20.00
176	1	2L F32T8 25W RELAMP	16	16		$ -	32	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 96.00	$ -	$ 124.80	$ 12.00	$ 192.00
177	1	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
178	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
179	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
180	1	NEW 4L T5HO EL-HBF 2X4 HIGH BAY W/LENS &	13	13	HBF 2X4 HIGH BAY	$225.00	13		$ -	0		$ -	$ 2,925.00	$ -	$ -	$ 3,802.50	$ 75.00	$ 975.00
181	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
182	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
183	1	2L F32T8 25W RELAMP	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
184	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
185	1	2L F32T8 25W RELAMP	31	31		$ -	62	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 186.00	$ -	$ 241.80	$ 12.00	$ 372.00
186	1	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
187	1	2L F32T8 25W DELAMP & REFLECTOR	31	31		$ -	62	F32T8 25W LAMP	$ 3.00	31	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 186.00	$ 558.00	$ 967.20	$ 30.00	$ 930.00
188	1	2L F32T8 25W RELAMP	7	7		$ -	14	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 42.00	$ -	$ 54.60	$ 12.00	$ 84.00
189	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
190	1	NEW 4L T5HO EL-HBF 2X4 HIGH BAY W/LENS &	15	15	HBF 2X4 HIGH BAY	$225.00	15		$ -	0		$ -	$ 3,375.00	$ -	$ -	$ 4,387.50	$ 75.00	$ 1,125.00
191	1	2L F32T8 25W RELAMP	6	6		$ -	12	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 72.00
192	1	1L F32T8 25W RELAMP	1	1		$ -	1	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
193	1	NEW LED EXIT SIGN	1	1	NEW LED EXIT SIGN	$ 55.00	1		$ -	0		$ -	$ 55.00	$ -	$ -	$ 71.50	$ 35.00	$ 35.00
194	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
195	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
196	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
197	1	1L F32T8 25W RELAMP	1	1		$ -	1	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
198	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
199	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
200	1	1L F32T8 25W RELAMP	1	1		$ -	1	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
201	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
202	1	2L F32T8 25W RELAMP	24	24		$ -	48	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 144.00	$ -	$ 187.20	$ 12.00	$ 288.00
203	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
204	1	2L F32T8 25W RELAMP	7	7		$ -	14	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 42.00	$ -	$ 54.60	$ 12.00	$ 84.00
205	1	2L F32T8 25W RELAMP	21	21		$ -	42	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
206	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
207	1	2L F32T8 25W RELAMP	15	15		$ -	30	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 90.00	$ -	$ 117.00	$ 12.00	$ 180.00
208	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
209	1	2L F32T8 25W RELAMP	21	21		$ -	42	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
210	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
211	1	2L F32T8 25W RELAMP	18	18		$ -	36	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
212	1	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
213	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
214	1	2L F32T8 25W DELAMP & REFLECTOR	16	16		$ -	32	F32T8 25W LAMP	$ 3.00	16	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 96.00	$ 288.00	$ 499.20	$ 30.00	$ 480.00
215	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
216	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
217	1	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
218	1	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
219	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
220	1	2L F32T8 25W RELAMP	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
221	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
222	1	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00

	LN #	FL #	Replacement Fixture Description	Repl. Qty.	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Sensor	cost lmp	qty ref	Reflector / PowerPack	cost ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot Cost
	223	1	2L F32T8 25W RELAMP	15	15		$ -	30	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 90.00	$ -	$ 117.00	$ 12.00	$ 180.00
	224	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	225	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	226	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	227	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	228	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	229	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	230	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	231	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	232	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	233	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	234	1	2L F32T8 25W RELAMP	13	13		$ -	26	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 78.00	$ -	$ 101.40	$ 12.00	$ 156.00
	235	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	236	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	237	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	238	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	239	1	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	240	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	241	1	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
	242	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	243	1	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
	244	1	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	245	1	1L F32T8 25W RELAMP	2	2		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 24.00
	246	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
	247	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	248	1	1L F32T8 25W RELAMP	1	1		$ -	1	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
	249	1	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
	250	1	NO MEASURE	22	22		$ -	22		$ -	0		$ -	$ -	$ -	$ -	$ -	$ -	$ -
	251	1	2L F32T8 25W RELAMP	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 72.00	$ -	$ 93.60	$ 12.00	$ 144.00
	252	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	253	1	2L F32T8 25W DELAMP & REFLECTOR	5	5		$ -	10	F32T8 25W LAMP	$ 3.00	5	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 30.00	$ 90.00	$ 156.00	$ 30.00	$ 150.00
	254	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	255	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	256	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
	257	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	258	1	2L F32T8 25W RELAMP	14	14		$ -	28	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 84.00	$ -	$ 109.20	$ 12.00	$ 168.00
	259	1	2L F32T8 25W DELAMP & REFLECTOR	5	5		$ -	10	F32T8 25W LAMP	$ 3.00	5	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 30.00	$ 90.00	$ 156.00	$ 30.00	$ 150.00
	260	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	261	1	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	262	1	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	263	1	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
	264	2	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
	265	2	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
	266	2	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
	267	2	2L F32T8 25W RELAMP	24	24		$ -	48	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 144.00	$ -	$ 187.20	$ 12.00	$ 288.00
	268	2	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
	269	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	270	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	271	2	2L F32T8 25W DELAMP & REFLECTOR	8	8		$ -	16	F32T8 25W LAMP	$ 3.00	8	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 48.00	$ 144.00	$ 249.60	$ 30.00	$ 240.00
	272	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	273	2	2L F32T8 25W DELAMP & REFLECTOR	17	17		$ -	34	F32T8 25W LAMP	$ 3.00	17	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 102.00	$ 306.00	$ 530.40	$ 30.00	$ 510.00
	274	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	275	2	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
	276	2	2L F32T8 25W DELAMP & REFLECTOR	7	7		$ -	14	F32T8 25W LAMP	$ 3.00	7	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 42.00	$ 126.00	$ 218.40	$ 30.00	$ 210.00
	277	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	278	2	2L F32T8 25W DELAMP & REFLECTOR	32	32		$ -	64	F32T8 25W LAMP	$ 3.00	32	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 192.00	$ 576.00	$ 998.40	$ 30.00	$ 1,920.00
	279	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	280	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	281	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	282	2	2L F32T8 25W DELAMP & REFLECTOR	9	9		$ -	18	F32T8 25W LAMP	$ 3.00	9	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 30.00	$ 270.00
	283	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	284	2	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
	285	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	286	2	2L F32T8 25W DELAMP & REFLECTOR	18	18		$ -	36	F32T8 25W LAMP	$ 3.00	18	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 30.00	$ 540.00
	287	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	288	2	20W CFL	1	1		$ -	1	20W CFL	$ 10.00	0		$ -	$ -	$ 10.00	$ -	$ 13.00	$ 10.00	$ 10.00
	289	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
	290	2	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
	291	2	2L F32T8 25W RELAMP	18	18		$ -	36	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
	292	2	NEW LED EXIT SIGN	2	2	NEW LED EXIT SIGN	$ 55.00	2		$ -	0		$ -	$ 110.00	$ -	$ -	$ 143.00	$ 35.00	$ 70.00
	293	2	2L F32T8 25W RELAMP	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
	294	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	295	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	296	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	297	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	298	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
	299	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
	300	2	2L F32T8 25W DELAMP & REFLECTOR	9	9		$ -	18	F32T8 25W LAMP	$ 3.00	9	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 30.00	$ 270.00

LN #	FL #	Replacement Fixture Description	Repl Qty	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Sensor	cost lmp	qty ref	Reflector / PowerPack	cost ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot Cost
301	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
302	2	2L F32T8 25W RELAMP	5	5		$ -	10	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 30.00	$ -	$ 39.00	$ 12.00	$ 60.00
303	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
304	2	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
305	2	1L F32T8 25W RELAMP	4	4		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 48.00
306	2	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
307	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
308	2	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
309	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
310	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
311	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
312	2	2L F32T8 25W DELAMP & REFLECTOR	9	9		$ -	18	F32T8 25W LAMP	$ 3.00	9	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 30.00	$ 270.00
313	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
314	2	2L F32T8 25W DELAMP & REFLECTOR	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	2	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
315	2	1L F32T8 25W RELAMP	3	3		$ -	3	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 9.00	$ -	$ 11.70	$ 12.00	$ 36.00
316	2	NEW LED EXIT SIGN	1	1	NEW LED EXIT SIGN	$ 55.00	1		$ -	0		$ -	$ 55.00	$ -	$ -	$ 71.50	$ 35.00	$ 35.00
317	2	2L F32T8 25W DELAMP & REFLECTOR	10	10		$ -	20	F32T8 25W LAMP	$ 3.00	10	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
318	2	2L F32T8 25W RELAMP	7	7		$ -	14	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 42.00	$ -	$ 54.60	$ 12.00	$ 84.00
319	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
320	2	2L F32T8 25W RELAMP	21	21		$ -	42	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
321	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
322	2	2L F32T8 25W RELAMP	24	24		$ -	48	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 144.00	$ -	$ 187.20	$ 12.00	$ 288.00
323	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
324	2	2L F32T8 25W RELAMP	18	18		$ -	36	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
325	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
326	2	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
327	2	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
328	2	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
329	2	20W CFL	1	1		$ -	1	20W CFL	$ 10.00	0		$ -	$ -	$ 10.00	$ -	$ 13.00	$ 10.00	$ 10.00
330	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
331	2	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
332	2	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
333	2	2L F32T8 25W RELAMP	15	15		$ -	30	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 90.00	$ -	$ 117.00	$ 12.00	$ 180.00
334	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
335	2	2L F32T8 25W RELAMP	15	15		$ -	30	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 90.00	$ -	$ 117.00	$ 12.00	$ 180.00
336	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
337	2	2L F32T8 25W RELAMP	15	15		$ -	30	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 90.00	$ -	$ 117.00	$ 12.00	$ 180.00
338	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
339	2	2L F32T8 25W DELAMP & REFLECTOR	16	16		$ -	32	F32T8 25W LAMP	$ 3.00	16	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 96.00	$ 288.00	$ 499.20	$ 30.00	$ 480.00
340	2	2L F32T8 25W RELAMP	6	6		$ -	12	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 72.00
341	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
342	2	2L F32T8 25W RELAMP	6	6		$ -	12	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 72.00
343	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
344	2	2L F32T8 25W RELAMP	15	15		$ -	30	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 90.00	$ -	$ 117.00	$ 12.00	$ 180.00
345	2	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
346	2	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
347	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
348	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
349	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
350	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
351	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
352	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
353	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
354	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
355	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
356	2	2L F32T8 25W DELAMP & REFLECTOR	9	9		$ -	18	F32T8 25W LAMP	$ 3.00	9	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 30.00	$ 270.00
357	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
358	2	2L F32T8 25W RELAMP	13	13		$ -	26	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 78.00	$ -	$ 101.40	$ 12.00	$ 156.00
359	2	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
360	2	NO MEASURE	2	2		$ -	2		$ -	1		$ -	$ -	$ -	$ -	$ -	$ -	$ -
361	2	23W PAR38 CFL	10	10		$ -	10	23W PAR38 CFL	$ 10.00	10		$ -	$ -	$ 100.00	$ -	$ 130.00	$ 10.00	$ 100.00
362	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
363	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
364	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
365	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
366	2	2L F32T8 25W DELAMP & REFLECTOR	12	12		$ -	24	F32T8 25W LAMP	$ 3.00	12	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 30.00	$ 360.00
367	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
368	2	2L F32T8 25W RELAMP	8	8		$ -	16	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 48.00	$ -	$ 62.40	$ 12.00	$ 96.00
369	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
370	2	2L F32T8 25W RELAMP	2	2		$ -	4	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
371	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
372	2	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
373	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
374	2	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
375	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
376	2	2L F32T8 25W DELAMP & REFLECTOR	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	1	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
377	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
378	2	2L F32T8 25W DELAMP & REFLECTOR	11	11		$ -	22	F32T8 25W LAMP	$ 3.00	11	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 66.00	$ 198.00	$ 343.20	$ 30.00	$ 330.00

LN #	FL #	Replacement Fixture Description	Repl Qty	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Sensor	cost lmp	qty ref	Reflector / PowerPack	cost ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot. Cost
379	2	O/S CEILING	1	1		$ -	1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
380	2	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
381	2	O/S WALL	1	1		$ -	1	O/S WALL	$ 55.00	0		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
382	2	2L F32T8 25W DELAMP & REFLECTOR	4	4		$ -	8	F32T8 25W LAMP	$ 3.00	4	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
383	2	2L F32T8 25W DELAMP & REFLECTOR	11	11		$ -	22	F32T8 25W LAMP	$ 3.00	11	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 66.00	$ 198.00	$ 343.20	$ 30.00	$ 330.00
384	2	2L F32T8 25W DELAMP & REFLECTOR	3	3		$ -	6	F32T8 25W LAMP	$ 3.00	3	2X4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 30.00	$ 90.00
385	2	2L F32T8 25W RELAMP	1	1		$ -	2	F32T8 25W LAMP	$ 3.00	0		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
													$ 16,415.00	$ 23,910.00	$22,332.00	$ 81,454.10	Total	$ 57,734.00
															With Tax	$ 87,155.89	CONT	$ -
																	Equipment	$ -
																	Total Labor:	$ 75,054.20
																	Total project	$ 162,210.09

NEW JERSEY SMART START REBATE	$ 31,710.00

Northern Valley Regional High School - Old Tappan HS
100 Central Avenue
Old Tappan, NJ

EXECUTIVE SUMMARY

ENERGY DATA

Existing Energy Usage (Watts)	233,039
Proposed Energy Usage (Watts)	131,728
Energy Saved (Watts)	101,311
Annual Kilowatt Hours Saved (kWh)	450,038

FINANCIAL DATA

Annual Existing Energy Cost	$	154,737.90
Annual Proposed Energy Cost	$	87,467.39
Annual Energy Savings	$	67,270.50
Additional Energy Savings (Occupancy Sensors)	$	7,435.74
Total Energy Savings	$	74,706.24
Initial Project Cost	$	172,027.12
Utility Rebate (Based on NJ Smart Start Approval)	$	35,120.00
Project Cost	$	136,907.12

CASH FLOW SUMMARY

Return On Investment (R.O.I.)		49%
Payback (Years)		2.04
10 Year Savings	$	672,705.04
10-Year Cumulative Positive Cash Flow	$	535,797.92

Northern Valley Regional High School - Old Tappan HS
100 Central Avenue
Old Tappan, NJ

New Jersey

Joanne Spadaccini
201-768-2200 x12060

BUILDING TYPE	School
SQUARE FOOTAGE	177,800

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl Qty	Repl Fix Wts	Total Fix Wts	Proposed An. Cost	Opr Hours	Fix Wts Saved	kWh Saved	0.16/kWh	Annual Elec Savings	Annual Sens Savings
1	1	A Section		ENTRANCE	3L F32T8 2x4		6	88		528	$350.59	2L F32T8 25W DELAMP / REFLECTOR	20	$ 120.00	6	43	258	$171.31	4000	270	1080	179.28	$ 179.28	
2	1	A Section		SHOWCASE	1L F32T12 STRIP		2	50		100	$66.40	1L F32T8 25W RELAMP & REBALLAST	10	$ 20.00	2	30	60	$39.84	4000	40	160	26.56	$ 26.56	
3	1	Administration		ADMINISTRATION CONFERENCE	3L F32T8 2x4		6	88		528	$350.59	2L F32T8 25W DELAMP / REFLECTOR	20	$ 120.00	6	43	258	$171.31	4000	270	1080	179.28	$ 179.28	
4	1	Administration		MS. GROPPO OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
5	1	Administration		IT ROOM	2L F32T8 IND		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
6	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 8.57
7	1	Administration		MAIN OFFICE	3L F32T8 2x4		18	88	78	1584	$1,051.78	2L F32T8 25W DELAMP / REFLECTOR	20	$ 360.00	18	43	774	$513.94	4000	810	3240	537.84	$ 537.84	
8	1	Administration		MAIN OFFICE	4L F32T8 WRAP		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
9	1	Administration		RABELO OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
10	1	Administration		KITCHEN	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
11	1	Administration		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 17.13
12	1	Guidance Dept		GUIDANCE LIBRARY	3L F32T8 2x4		6	88	72	528	$350.59	2L F32T8 25W DELAMP / REFLECTOR	20	$ 120.00	6	43	258	$171.31	4000	270	1080	179.28	$ 179.28	
13	1	Guidance Dept		GUIDANCE OPEN AREA	3L F32T8 2x4		19	88	96	1672	$1,110.21	2L F32T8 25W DELAMP / REFLECTOR	20	$ 380.00	19	43	817	$542.49	4000	855	3420	567.72	$ 567.72	
14	1	Guidance Dept		BARRESI OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
15	1	Guidance Dept		REGAR OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
16	1	Guidance Dept		WESTHAUER OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
17	1	Guidance Dept		RUPP OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
18	1	Guidance Dept		ROSSIG OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
19	1	Guidance Dept		SILK OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
20	1	Guidance Dept		HALL	3L F32T8 2x4		1	88		88	$58.43	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	45	180	29.88	$ 29.88	
21	1	Guidance Dept		SPATZ OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
22	1	Guidance Dept		GUIDANCE CONFERENCE ROOM	3L F32T8 2x4		6	88	53	528	$350.59	2L F32T8 25W DELAMP / REFLECTOR	20	$ 120.00	6	43	258	$171.31	4000	270	1080	179.28	$ 179.28	
23	1	Guidance Dept		SKAWINSKI OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
24	1	Guidance Dept		OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
25	1	Guidance Dept	A104	PC LAB	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
26	1	Guidance Dept		SHOWCASE	2L F32T8 STRIP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
27	1	Guidance Dept	A106	PC LAB	3L F32T8 2x4		13	88	76	1144	$759.62	2L F32T8 25W DELAMP / REFLECTOR	20	$ 260.00	13	43	559	$371.18	4000	585	2340	388.44	$ 388.44	
28	1	Guidance Dept		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 111.35
29	1	Guidance Dept	A106	OFFICE	3L F32T8 2x4		1	88		88	$58.43	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	45	180	29.88	$ 29.88	
30	1	Guidance Dept	A108	PC LAB	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
31	1	Guidance Dept		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
32	1	Guidance Dept		SOCIAL STUDIES	2L F32T8 WRAP		12	60	45	720	$478.08	2L F32T8 25W RELAMP		$ -	12	43	516	$342.62	4000	204	816	135.456	$ 135.46	
33	1	Guidance Dept		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
34	1	Guidance Dept	A112	CLASSROOM	2L F32T8 WRAP		21	60	46	1260	$836.64	2L F32T8 25W RELAMP		$ -	21	43	903	$599.59	4000	357	1428	237.048	$ 237.05	
35	1	Guidance Dept		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 179.88
36	1	Guidance Dept	A114	CLASSROOM	2L F32T8 WRAP		21	60		1260	$836.64	2L F32T8 25W RELAMP		$ -	21	43	903	$599.59	4000	357	1428	237.048	$ 237.05	
37	1	Guidance Dept		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 179.88
38	1	A Section	A	STAIRWELL	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
39	1	A Section	A	STAIRWELL	4L F32T12 2X4		4	112		448	$297.47	2L F32T8 25W DELAMP / REBALLAST / R	30	$ 120.00	4	43	172	$114.21	4000	276	1104	183.264	$ 183.26	
40	1	A Section		BOOK STORAGE	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
41	1	A Section		MAINTENANCE CLOSET	1L F32T8 STRIP		1	30		30	$19.92	1L F32T8 25W RELAMP		$ -	1	30	30	$19.92	4000	0	0	0	$ -		
42	1	A Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 5.98
43	1	A Section		MEDIA STORAGE	2L F32T12 STRIP		1	80		80	$53.12	2L F32T8 25W RELAMP & REBALLAST	10	$ 10.00	1	43	43	$28.55	4000	37	148	24.568	$ 24.57	
44	1	A Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 8.57
45	1	A Section		WOMENS FACULTY	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
46	1	A Section		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 17.13
47	1	A Section	A105	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
48	1	A Section	A105	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
49	1	A Section	A103	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
50	1	A Section	A103	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
51	1	A Section	A101	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
52	1	A Section	A101	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
53	1	A Section		BOYS ROOM	4L F32T12 2X4		3	112		336	$223.10	2L F32T8 25W DELAMP / REBALLAST / R	30	$ 90.00	3	43	129	$85.66	4000	207	828	137.448	$ 137.45	
54	1	A Section		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 25.70
55	1	A Section		MAINTENANCE STORAGE	3L F32T8 2x4		1	88		88	$58.43	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	45	180	29.88	$ 29.88	
56	1	A Section		GIRLS ROOM	3L F32T8 2x4		3	88		264	$175.30	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	135	540	89.64	$ 89.64	
57	1	A Section		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 25.70
58	1	A Section		COMMONS A STAIR	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
59	1	A Section		COMMONS A STAIR	4L F32T12 2X4		2	112		224	$148.74	2L F32T8 25W DELAMP / REBALLAST / R	30	$ 60.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	
60	1	A Section		COMMONS A STAIR	2L F32T12 WRAP		3	80		240	$159.36	2L F32T8 25W RELAMP & REBALLAST	10	$ 30.00	3	43	129	$85.66	4000	111	444	73.704	$ 73.70	
61	1	A Section		CHILD STUDY TEAM	4L F32T8 WRAP		2	112	36	224	$148.74	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	
62	1	A Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 17.13
63	1	A Section		GUIDANCE STORAGE	4L F32T12 2X4		2	112		224	$148.74	2L F32T8 25W DELAMP / REBALLAST / R	30	$ 60.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	
64	1	A Section		MENS FACULTY	1L F32T12 STRIP		1	50		50	$33.20	1L F32T8 25W RELAMP & REBALLAST	10	$ 10.00	1	30	30	$19.92	4000	20	80	13.28	$ 13.28	
65	1	A Section		MENS FACULTY	2L FB32T8 U6 2X2		1	60		60	$39.84	2L F17T8 17W RLRB / REFLECTOR	10	$ 10.00	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
66	1	A Section		COPY ROOM	4L F32T12 2X4		4	112		448	$297.47	2L F32T8 25W DELAMP / REBALLAST / R	30	$ 120.00	4	43	172	$114.21	4000	276	1104	183.264	$ 183.26	
67	1	A Section		FACULTY ROOM	4L F32T8 WRAP		12	112		1344	$892.42	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	828	3312	549.792	$ 549.79	
68	1	A Section		WOMENS FACULTY	4L F32T8 WRAP		2	112		224	$148.74	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	
69	1	A Section		WOMENS FACULTY	1L F32T12 STRIP		1	50		50	$33.20	1L F32T8 25W RELAMP & REBALLAST	10	$ 10.00	1	30	30	$19.92	4000	20	80	13.28	$ 13.28	
70	1	A Section		PRINCIPALS OFFICE SEC	4L F32T8 2x4		4	112		448	$297.47	2L F32T8 25W DELAMP / REFLECTOR	20	$ 80.00	4	43	172	$114.21	4000	276	1104	183.264	$ 183.26	
71	1	A Section		PRINCIPALS OFFICE	4L F32T8 2x4		4	112	42	448	$297.47	2L F32T8 25W DELAMP / REFLECTOR	20	$ 80.00	4	43	172	$114.21	4000	276	1104	183.264	$ 183.26	
72	1	A Section		PRINCIPALS OFFICE	2L FB32T12 U6 2X2		2	80		160	$106.24	2L F17T8 17W RLRB / REFLECTOR	10	$ 20.00	2	43	86	$57.10	4000	74	296	49.136	$ 49.14	
73	1	A Section		NURSES OFFICE	3L F32T8 2x4		8	88		704	$467.46	2L F32T8 25W DELAMP / REFLECTOR	20	$ 160.00	8	43	344	$228.42	4000	360	1440	239.04	$ 239.04	
74	1	A Section		ATHLETIC DIRECTOR	2L FB32T8 U6 2X2		3	60		180	$119.52	2L F17T8 17W RLRB / REFLECTOR	10	$ 30.00	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl Qty	Repl Fix Wts	Total Fix Wts	Proposed An. Cost	Opr Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec Savings	Annual Sens Savings
75	1	A Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 25.70
76	1	A Section		A HALL	3L F32T8 2x4		29	88		2552	$1,694.53	2L F32T8 25W DELAMP / REFLECTOR	20	$ 580.00	29	43	1247	$828.01	4000	1305	5220	866.52	$ 866.52	
77	1	B Section	B100	FACULTY RESOURCE ROOM	3L F32T8 2x4		4	88		352	$233.73	2L F32T8 25W DELAMP / REFLECTOR	20	$ 80.00	4	43	172	$114.21	4000	180	720	119.52	$ 119.52	
78	1	B Section	B100	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 34.26
79	1	B Section	B101	CLASSROOM	3L F32T8 2x4		12	88	48	1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
80	1	B Section	B101	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
81	1	B Section	B101	PREP ROOM	4L F32T8 WRAP		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
82	1	B Section	B102	CLASSROOM	3L F32T8 2x4		18	88		1584	$1,051.78	2L F32T8 25W DELAMP / REFLECTOR	20	$ 360.00	18	43	774	$513.94	4000	810	3240	537.84	$ 537.84	
83	1	B Section	B102	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
84	1	B Section	B103	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
85	1	B Section	B103	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
86	1	B Section	B103	PREP ROOM	4L F32T8 WRAP		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
87	1	B Section	B106	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
88	1	B Section	B106	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
89	1	B Section	B106	STORAGE	4L F32T8 WRAP		2	112		224	$148.74	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	
90	1	B Section	B105	CLASSROOM	3L F32T8 2x4		9	88	47	792	$525.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 180.00	9	43	387	$256.97	4000	405	1620	268.92	$ 268.92	
91	1	B Section	B105	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 77.09
92	1	B Section		SHOWCASE	2L F32T12 STRIP		3	80		240	$159.36	2L F32T8 25W RELAMP & REBALLAST	10	$ 30.00	3	43	129	$85.66	4000	111	444	73.704	$ 73.70	
93	1	B Section	B107	CLASSROOM	3L F32T8 2x4		9	88	52	792	$525.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 180.00	9	43	387	$256.97	4000	405	1620	268.92	$ 268.92	
94	1	B Section	B107	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 77.09
95	1	B Section	B108	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
96	1	B Section	B108	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
97	1	B Section		B HALL	3L F32T8 2x4		13	88		1144	$759.62	2L F32T8 25W DELAMP / REFLECTOR	20	$ 260.00	13	43	559	$371.18	4000	585	2340	388.44	$ 388.44	
98	1	B Section		B STAIRS	3L F32T8 2x4		3	88		264	$175.30	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	135	540	89.64	$ 89.64	
99	1	B Section		B STAIRS	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
100	1	B Section		B STAIRS	4L F32T8 2x4		2	112		224	$148.74	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	
101	1	C Section	C102	HOME ECONOMICS	3L F32T8 2x4		18	88	110	1584	$1,051.78	2L F32T8 25W DELAMP / REFLECTOR	20	$ 360.00	18	43	774	$513.94	4000	810	3240	537.84	$ 537.84	
102	1	C Section	C102	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
103	1	C Section	C104	CLASSROOM	3L F32T8 2x4		9	88		792	$525.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 180.00	9	43	387	$256.97	4000	405	1620	268.92	$ 268.92	
104	1	C Section		OFFICE	4L F32T8 WRAP		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
105	1	C Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 8.57
106	1	C Section		PANTRY	2L F32T8 STRIP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
107	1	C Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 8.57
108	1	C Section		BOYS ROOM	2L F32T8 STRIP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
109	1	C Section		BOYS ROOM	1L F32T8 WRAP		2	30		60	$39.84	1L F32T8 25W RELAMP		$ -	2	30	60	$39.84	4000	0	0	0	$ -	
110	1	C Section		MAINTENANCE CLOSET	4L F32T8 WRAP		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
111	1	C Section		GIRLS ROOM	3L F32T8 2x4		3	88		264	$175.30	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	135	540	89.64	$ 89.64	
112	1	D Section		NORTH CAFÉ	3L F32T8 2x4		30	88	25	2640	$1,752.96	2L F32T8 25W DELAMP / REFLECTOR	20	$ 600.00	30	43	1290	$856.56	4000	1350	5400	896.4	$ 896.40	
113	1	D Section	D105	KITCHEN	3L F32T8 2x4		29	88		2552	$1,694.53	2L F32T8 25W DELAMP / REFLECTOR	20	$ 580.00	29	43	1247	$828.01	4000	1305	5220	866.52	$ 866.52	
114	1	D Section		OFFICE	2L F32T8 IND		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
115	1	D Section		RECEIVING	2L F32T12 STRIP		1	80		80	$53.12	2L F32T8 25W RELAMP & REBALLAST	10	$ 10.00	1	43	43	$28.55	4000	37	148	24.568	$ 24.57	
116	1	D Section		MOP CLOSET	100W A		1	100		100	$66.40	20W CFL		$ -	1	20	20	$13.28	4000	80	320	53.12	$ 53.12	
117	1	D Section		LADIES ROOM	1L F32T8 STRIP		2	30		60	$39.84	1L F32T8 25W RELAMP		$ -	2	30	60	$39.84	4000	0	0	0	$ -	
118	1	D Section		FACULTY LOUNGE	3L F32T8 2x4		10	88		880	$584.32	2L F32T8 25W DELAMP / REFLECTOR	20	$ 200.00	10	43	430	$285.52	4000	450	1800	298.8	$ 298.80	
119	1	D Section		FACULTY LOUNGE	2L FB32T12 U6 2X2		1	80		80	$53.12	2L F17T8 17W RLRB / REFLECTOR	10	$ 10.00	1	43	43	$28.55	4000	37	148	24.568	$ 24.57	
120	1	D Section		POT STORAGE	1L F32T8 STRIP		1	30		30	$19.92	1L F32T8 25W RELAMP		$ -	1	30	30	$19.92	4000	0	0	0	$ -	
121	1	D Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 5.98
122	1	D Section		HOODS	2L F32T12 1X4		4	80		320	$212.48	2L F32T8 25W RELAMP & REBALLAST	10	$ 40.00	4	43	172	$114.21	4000	148	592	98.272	$ 98.27	
123	1	D Section		SOUTH CAFÉ	3L F32T8 2x4		30	88		2640	$1,752.96	2L F32T8 25W DELAMP / REFLECTOR	20	$ 600.00	30	43	1290	$856.56	4000	1350	5400	896.4	$ 896.40	
124	1	D Section		SCHOOL STORE	2L F32T8 IND		6	60		360	$239.04	2L F32T8 25W RELAMP		$ -	6	43	258	$171.31	4000	102	408	67.728	$ 67.73	
125	1	D Section		STORAGE ROOM	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
126	1	D Section		CUSTODIANS	3L F32T8 2x4		21	88		1848	$1,227.07	2L F32T8 25W DELAMP / REFLECTOR	20	$ 420.00	21	43	903	$599.59	4000	945	3780	627.48	$ 627.48	
127	1	D Section		OFFICE	4L F32T8 2x4		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
128	1	D Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 8.57
129	1	D Section		BATHROOM	15W CFL		2	15		30	$19.92	NO MEASURE		$ -	2	15	30	$19.92	4000	0	0	0	$ -	
130	1	D Section		PARTS CAGE	2L F32T12 STRIP		2	80		160	$106.24	2L F32T8 25W RELAMP & REBALLAST	10	$ 20.00	2	43	86	$57.10	4000	74	296	49.136	$ 49.14	
131	1	D Section		PARTS CAGE	2L F96T12 STRIP		1	123		123	$81.67	2L F32T8 25W RLRB / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	80	320	53.12	$ 53.12	
132	1	D Section		BOILER ROOM	3L F32T8 IND		16	88		1408	$934.91	3L F32T8 25W RELAMP		$ -	16	66	1056	$701.18	4000	352	1408	233.728	$ 233.73	
133	1	D Section		SWITCH GEAR	2L F32T8 STRIP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
134	1	D Section		D HALL	3L F32T8 2x4		17	88		1496	$993.34	2L F32T8 25W DELAMP / REFLECTOR	20	$ 340.00	17	43	731	$485.38	4000	765	3060	507.96	$ 507.96	
135	1	E Section	E102	SHOP	2L F32T8 IND		16	60		960	$637.44	2L F32T8 25W RELAMP		$ -	16	43	688	$456.83	4000	272	1088	180.608	$ 180.61	
136	1	E Section	E102	TECH	3L F32T8 2x4		20	88	54	1760	$1,168.64	2L F32T8 25W DELAMP / REFLECTOR	20	$ 400.00	20	43	860	$571.04	4000	900	3600	597.6	$ 597.60	
137	1	E Section		COMPUTER WORKSHOP	3L F32T8 2x4		12	88	61	1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
138	1	E Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 102.79
139	1	E Section		OFFICE	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
140	1	E Section	E104	ART ROOM	2L F32T8 WRAP		4	60	45	240	$159.36	2L F32T8 25W RELAMP		$ -	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
141	1	E Section		OFFICE	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
142	1	E Section	E101	CLASSROOM	4L F32T8 2x4		16	112	49	1792	$1,189.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 320.00	16	43	688	$456.83	4000	1104	4416	733.056	$ 733.06	
143	1	E Section		BOYS ROOM	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
144	1	E Section		GIRLS ROOM	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
145	1	E Section	E	E HALL	3L F32T8 2x4		10	88		880	$584.32	2L F32T8 25W DELAMP / REFLECTOR	20	$ 200.00	10	43	430	$285.52	4000	450	1800	298.8	$ 298.80	
146	1	E Section		SHOWCASE 1	15W CFL		3	15		45	$29.88	NO MEASURE		$ -	3	15	45	$29.88	4000	0	0	0	$ -	
147	1	E Section		SHOWCASE 2	15W CFL		3	15		45	$29.88	NO MEASURE		$ -	3	15	45	$29.88	4000	0	0	0	$ -	
148	1	E Section	E103	WOOD SHOP	2L F32T8 IND		51	60	21	3060	$2,031.84	2L F32T8 25W RELAMP		$ -	51	43	2193	$1,456.15	4000	867	3468	575.688	$ 575.69	
149	1	E Section		OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
150	1	E Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 17.13
151	1	E Section		STAIN ROOM	2L F96T12 IND		1	123		123	$81.67	2L F32T8 25W RLRB / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	80	320	53.12	$ 53.12	
152	1	E Section		TEAM ROOM	2L F32T8 WRAP		9	60		540	$358.56	2L F32T8 25W RELAMP		$ -	9	43	387	$256.97	4000	153	612	101.592	$ 101.59	
153	1	E Section		BATHROOM	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
154	1	E Section		SHOWERS	2L F32T8 WRAP		4	60		240	$159.36	2L F32T8 25W RELAMP		$ -	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
155	1	E Section		OFFICE	2L F32T8 WRAP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
156	1	E Section		EQUIPTMENT	2L F32T8 WRAP		4	60		240	$159.36	2L F32T8 25W RELAMP		$ -	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
157	1	E Section	E	E HALL	3L F32T8 2x4		13	88		1144	$759.62	2L F32T8 25W DELAMP / REFLECTOR	20	$ 260.00	13	43	559	$371.18	4000	585	2340	388.44	$ 388.44	
158	1	E Section		SHOWCASE	65W R30 RECESSED CAN		3	65		195	$129.48	15W PAR30 CFL		$ -	3	15	45	$29.88	4000	150	600	99.6	$ 99.60	

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl Qty.	Repl Fix Wts	Total Fix Wts	Proposed An. Cost	Opr Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec Savings	Annual Sens Savings
159	1	E Section		GYM ENTRANCE	15W CFL		28	15		420	$278.88	NO MEASURE		$ -	28	15	420	$278.88	4000	0	0	0	$ -	
160	1	E Section		ELECTRICAL ROOM	2L F32T8 WRAP		5	60		300	$199.20	2L F32T8 25W RELAMP		$ -	5	43	215	$142.76	4000	85	340	56.44	$ 56.44	
161	1	E Section		BOILER ROOM	2L F32T8 WRAP		8	60		480	$318.72	2L F32T8 25W RELAMP		$ -	8	43	344	$228.42	4000	136	544	90.304	$ 90.30	
162	1	E Section		TRAINERS ROOM	2L F32T8 WRAP		7	60	33	420	$278.88	2L F32T8 25W RELAMP		$ -	7	43	301	$199.86	4000	119	476	79.016	$ 79.02	
163	1	E Section		TRAINERS ROOM	2L FB32T8 U6 2X2		1	60		60	$39.84	2L F17T8 17W RLRB / REFLECTOR	10	$ 10.00	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
164	1	E Section		ATHLETIC STORAGE	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
165	1	E Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 17.13
166	1	E Section		MAINTENANCE STORAGE	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
167	1	E Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 8.57
168	1	F Section	F	FACULTY BATHROOM	15W CFL		2	15		30	$19.92	NO MEASURE		$ -	2	15	30	$19.92	4000	0	0	0	$ -	
169	1	F Section	F	BOYS ROOM	2L FB32T8 U6 2X2		5	60		300	$199.20	2L F17T8 17W RLRB / REFLECTOR	10	$ 50.00	5	43	215	$142.76	4000	85	340	56.44	$ 56.44	
170	1	F Section		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 42.83
171	1	F Section	F	GIRLS ROOM	2L FB32T8 U6 2X2		5	60		300	$199.20	2L F17T8 17W RLRB / REFLECTOR	10	$ 50.00	5	43	215	$142.76	4000	85	340	56.44	$ 56.44	
172	1	F Section		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 42.83
173	1	F Section	F120	CLASSROOM	3L F32T8 2x4		12	88	42	1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
174	1	F Section	F120	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 102.79
175	1	F Section	F118	CLASSROOM	3L F32T8 2x4		12	88	54	1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
176	1	F Section	F118	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 102.79
177	1	F Section	F116	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
178	1	F Section	F116	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
179	1	F Section	F114	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
180	1	F Section	F114	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
181	1	F Section	F112	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
182	1	F Section	F112	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
183	1	F Section	F110	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
184	1	F Section	F110	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
185	1	F Section	F108	CLASSROOM	3L F32T8 2x4		12	88	49	1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
186	1	F Section	F108	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
187	1	F Section	F105	CLASSROOM	2L F32T8 WRAP		18	60	36	1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
188	1	F Section	F105	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
189	1	F Section	F106	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
190	1	F Section	F106	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
191	1	F Section	F103	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
192	1	F Section	F103	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
193	1	F Section	F104	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
194	1	F Section	F104	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
195	1	F Section	F102	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
196	1	F Section	F102	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
197	1	F Section	F101	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
198	1	F Section	F101	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
199	1	F Section		F HALL	3L F32T8 2x4		7	88		616	$409.02	2L F32T8 25W DELAMP / REFLECTOR	20	$ 140.00	7	43	301	$199.86	4000	315	1260	209.16	$ 209.16	
200	1	F Section		F HALL	2L F32T8 WRAP		22	60		1320	$876.48	2L F32T8 25W RELAMP		$ -	22	43	946	$628.14	4000	374	1496	248.336	$ 248.34	
201	1	South Gym		WOMENS PE OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
202	1	South Gym		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 17.13
203	1	South Gym		WOMENS LOCKERS	2L F32T8 WRAP		9	60		540	$358.56	2L F32T8 25W RELAMP		$ -	9	43	387	$256.97	4000	153	612	101.592	$ 101.59	
204	1	South Gym		WOMENS LOCKERS	2L FB32T8 U6 2X2		2	60		120	$79.68	2L F17T8 17W RLRB / REFLECTOR	10	$ 20.00	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
205	1	South Gym		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 94.22
206	1	South Gym		BATHROOM	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
207	1	South Gym		BATHROOM	2L FB32T8 U6 2X2		4	60		240	$159.36	2L F17T8 17W RLRB / REFLECTOR	10	$ 40.00	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
208	1	South Gym		SOUTH GYM	2L F32T8 WRAP		6	60	50	360	$239.04	2L F32T8 25W RELAMP		$ -	6	43	258	$171.31	4000	102	408	67.728	$ 67.73	
209	1	South Gym		SOUTH GYM	HID 400W		30	455		13650	$9,063.60	NEW 2X4 6LF54T5HO HB W/LENS & GUA	100	$ 3,000.00	30	351	10530	$6,991.92	4000	3120	12480	2071.68	$ 2,071.68	
210	1	South Gym		BOYS LOCKER	2L F32T8 WRAP		10	60		600	$398.40	2L F32T8 25W RELAMP		$ -	10	43	430	$285.52	4000	170	680	112.88	$ 112.88	
211	1	South Gym		BOYS LOCKER	2L FB32T8 U6 2X2		1	60		60	$39.84	2L F17T8 17W RLRB / REFLECTOR	10	$ 10.00	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
212	1	South Gym		OFFICE	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
213	1	South Gym		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 17.13
214	1	South Gym		BOYS BATHROOM	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
215	1	South Gym		BOYS BATHROOM	2L FB32T8 U6 2X2		5	60		300	$199.20	2L F17T8 17W RLRB / REFLECTOR	10	$ 50.00	5	43	215	$142.76	4000	85	340	56.44	$ 56.44	
216	1	South Gym		PE STORAGE 1	4L F32T8 WRAP		3	112		336	$223.10	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	207	828	137.448	$ 137.45	
217	1	South Gym		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 25.70
218	1	South Gym		PE STORAGE 2	4L F32T8 WRAP		3	112		336	$223.10	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	207	828	137.448	$ 137.45	
219	1	South Gym		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 25.70
220	1	A Section	A13	LAB	3L F32T8 2x4		3	88		264	$175.30	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	135	540	89.64	$ 89.64	
221	1	A Section	A13	CLASSROOM	3L F32T8 2x4		18	88	49	1584	$1,051.78	2L F32T8 25W DELAMP / REFLECTOR	20	$ 360.00	18	43	774	$513.94	4000	810	3240	537.84	$ 537.84	
222	1	A Section	A13	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
223	1	A Section	A15	CLASSROOM	2L F32T8 WRAP		24	60		1440	$956.16	2L F32T8 25W RELAMP		$ -	24	43	1032	$685.25	4000	408	1632	270.912	$ 270.91	
224	1	A Section		WOMENS BATHROOM	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
225	1	A Section		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 17.13
226	1	A Section		MENS BATHROOM	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
227	1	A Section		SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 17.13
228	1	A Section		MAINTENANCE STORAGE	1L F32T8 STRIP		1	30		30	$19.92	1L F32T8 25W RELAMP		$ -	1	30	30	$19.92	4000	0	0	0	$ -	
229	1	A Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 5.98
230	1	A Section		BOOK STORAGE	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
231	1	A Section		A HALL	4L F32T8 2x4		38	112		4256	$2,825.98	2L F32T8 25W DELAMP / REFLECTOR	20	$ 760.00	38	43	1634	$1,084.98	4000	2622	10488	1741.008	$ 1,741.01	
232	1	A Section		SHOWCASE 1	2L F32T8 WRAP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
233	1	A Section		SHOWCASE 2	2L F32T8 WRAP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
234	1	A Section		SHOWCASE 3	2L F32T8 WRAP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
235	1	A Section		A STAIRS	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
236	1	A Section		A STAIRS	4L F32T8 2x4		5	112		560	$371.84	2L F32T8 25W DELAMP / REFLECTOR	20	$ 100.00	5	43	215	$142.76	4000	345	1380	229.08	$ 229.08	
237	1	North Gymnasium		NORTH GYM	HID 400W		36	455	20	16380	$10,876.32	NEW 2X4 6LF54T5HO RT W/LENS & GUA	100	$ 3,600.00	36	351	12636	$8,390.30	4000	3744	14976	2486.016	$ 2,486.02	
238	1	North Gymnasium		PHYSICAL ED STORAGE	100W A		2	100		200	$132.80	20W CFL		$ -	2	20	40	$26.56	4000	160	640	106.24	$ 106.24	
239	1	North Gymnasium		BOYS LOCKER HALL	2L FB32T8 U6 2X2		1	60		60	$39.84	2L F17T8 17W RLRB / REFLECTOR	10	$ 10.00	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
240	1	North Gymnasium		BOYS LOCKER ROOM	4L F32T8 2x4 **DL-2L**		20	112		2240	$1,487.36	2L F32T8 25W DELAMP / REFLECTOR	20	$ 400.00	20	43	860	$571.04	4000	1380	5520	916.32	$ 916.32	
241	1	North Gymnasium		BATHROOM	4L F32T8 2x4 **DL-2L**		2	112		224	$148.74	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix Wts	Foot Candle	Total Fix Wts	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl Qty	Repl Fix Wts	Total Fix Wts	Proposed An. Cost	Opr Hours	Fix Wts Saved	kWh Saved	0.15/kWh	Annual Elec Savings	Annual Sens Savings
242	1	North Gymnasium		SHOWER	2L FB32T8 U6 2X2		3	60		180	$119.52	2L F17T8 17W RLRB / REFLECTOR	10	$ 30.00	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
243	1	North Gymnasium		OFFICE	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
244	1	North Gymnasium		HALL	4L F32T8 2x4 **DL-2L**		2	112		224	$148.74	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	
245	1	North Gymnasium		BACK ENTRANCE	3L F32T8 2x4		4	88		352	$233.73	2L F32T8 25W DELAMP / REFLECTOR	20	$ 80.00	4	43	172	$114.21	4000	180	720	119.52	$ 119.52	
246	1	North Gymnasium		TEAM ROOM	4L F32T8 2x4 **DL-2L**		8	112		896	$594.94	2L F32T8 25W DELAMP / REFLECTOR	20	$ 160.00	8	43	344	$228.42	4000	552	2208	366.528	$ 366.53	
247	1	North Gymnasium		BATHROOM	4L F32T8 2x4 **DL-2L**		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
248	1	North Gymnasium		SHOWER	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
249	1	North Gymnasium		CAGE	4L F32T8 2x4 **DL-2L**		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
250	1	North Gymnasium		AUX GYM	HID 400W		12	455		5460	$3,625.44	NEW 2X4 4LF54T5HO HB W/LENS & GUA	100	$ 1,200.00	12	234	2808	$1,864.51	4000	2652	10608	1760.928	$ 1,760.93	
251	1	North Gymnasium		MAINTENANCE STORAGE	1L F32T8 STRIP		1	30		30	$19.92	1L F32T8 25W RELAMP		$ -	1	30	30	$19.92	4000	0	0	0	$ -	
252	1	North Gymnasium		WEIGHT ROOM	2L F32T8 WRAP		40	60		2400	$1,593.60	2L F32T8 25W RELAMP		$ -	40	43	1720	$1,142.08	4000	680	2720	451.52	$ 451.52	
253	1	North Gymnasium		WOMENS LOCKER ROOM	4L F32T8 2x4 **DL-2L**		20	112		2240	$1,487.36	2L F32T8 25W DELAMP / REFLECTOR	20	$ 400.00	20	43	860	$571.04	4000	1380	5520	916.32	$ 916.32	
254	1	North Gymnasium		OFFICE	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
255	1	North Gymnasium		SHOWER	2L F32T8 WRAP		4	60		240	$159.36	2L F32T8 25W RELAMP		$ -	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
256	1	North Gymnasium		BATHROOM	4L F32T8 2x4 **DL-2L**		2	112		224	$148.74	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	138	552	91.632	$ 91.63	
257	1	North Gymnasium		PHYSICAL ED STORAGE	100W A		2	100		200	$132.80	20W CFL		$ -	2	20	40	$26.56	4000	160	640	106.24	$ 106.24	
258	1	North Gymnasium		PHYSICAL ED STORAGE	1L F32T8 STRIP		44	30		1320	$876.48	1L F32T8 25W RELAMP		$ -	44	30	1320	$876.48	4000	0	0	0	$ -	
259	1	M Section		HALL	3L F32T8 2x4		7	88		616	$409.02	2L F32T8 25W DELAMP / REFLECTOR	20	$ 140.00	7	43	301	$199.86	4000	315	1260	209.16	$ 209.16	
260	1	M Section		MUSIC/ CHOIR	3L F32T8 2x4		18	88		1584	$1,051.78	2L F32T8 25W DELAMP / REFLECTOR	20	$ 360.00	18	43	774	$513.94	4000	810	3240	537.84	$ 537.84	
261	1	M Section		OFFICE	3L F32T8 2x4		3	88		264	$175.30	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	135	540	89.64	$ 89.64	
262	1	M Section		BAND	3L F32T8 2x4		24	88		2112	$1,402.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 480.00	24	43	1032	$685.25	4000	1080	4320	717.12	$ 717.12	
263	1	M Section		INTERIOR HALL	2L F32T8 WRAP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
264	1	M Section		PRACTICE ROOM 1	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
265	1	M Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 17.13
266	1	M Section		PRACTICE ROOM 2	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
267	1	M Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 17.13
268	1	M Section		COMPUTER LAB	3L F32T8 2x4		6	88		528	$350.59	2L F32T8 25W DELAMP / REFLECTOR	20	$ 120.00	6	43	258	$171.31	4000	270	1080	179.28	$ 179.28	
269	1	M Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 51.39
270	1	M Section		BAND LIBRARY	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
271	1	M Section		COSTUME	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
272	1	M Section		INSTRUMENT STORAGE	2L F32T8 WRAP		6	60		360	$239.04	2L F32T8 25W RELAMP		$ -	6	43	258	$171.31	4000	102	408	67.728	$ 67.73	
273	1	M Section		SHOWCASE	50W R20 RECESSED CAN		4	50		200	$132.80	9W PAR20 CFL		$ -	4	9	36	$23.90	4000	164	656	108.896	$ 108.90	
274	1	M Section		AUDITORIUM	4L F32T8 2x4		36	112		4032	$2,677.25	2L F32T8 25W DELAMP / REFLECTOR	20	$ 720.00	36	43	1548	$1,027.87	4000	2484	9936	1649.376	$ 1,649.38	
275	1	M Section		WOMENS BATHROOM	1L F32T8 WRAP		1	30		30	$19.92	1L F32T8 25W RELAMP		$ -	1	30	30	$19.92	4000	0	0	0	$ -	
276	1	M Section		WOMENS BATHROOM	2L F32T8 WRAP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
277	1	M Section		HALL	1L F32T8 WRAP		3	30		90	$59.76	1L F32T8 25W RELAMP		$ -	3	30	90	$59.76	4000	0	0	0	$ -	
278	1	M Section		MENS BATHROOM	3L F32T8 2x4		3	88		264	$175.30	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	135	540	89.64	$ 89.64	
279	1	M Section		AUDITORIUM STORAGE AREA	100W A		12	100		1200	$796.80	20W CFL		$ -	12	20	240	$159.36	4000	960	3840	637.44	$ 637.44	
280	1	M Section		CONTROL ROOM	3L F32T8 2x4		4	88		352	$233.73	2L F32T8 25W DELAMP / REFLECTOR	20	$ 80.00	4	43	172	$114.21	4000	180	720	119.52	$ 119.52	
281	1	M Section		STORAGE	2L F32T8 WRAP		2	60		120	$79.68	2L F32T8 25W RELAMP		$ -	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
282	1	F Section		ELEVATOR	2L F32T12 STRIP		1	80		80	$53.12	2L F32T8 25W RELAMP & REBALLAST	10	$ 10.00	1	43	43	$28.55	4000	37	148	24.568	$ 24.57	
283	2	F Section		F HALL	2L F32T8 WRAP		30	60		1800	$1,195.20	2L F32T8 25W RELAMP		$ -	30	43	1290	$856.56	4000	510	2040	338.64	$ 338.64	
284	2	F Section		F HALL	4L F32T8 2x4		10	112		1120	$743.68	2L F32T8 25W DELAMP / REFLECTOR	20	$ 200.00	10	43	430	$285.52	4000	690	2760	458.16	$ 458.16	
285	2	F Section		SPRINKLER VALVE/ MATH	3L F32T8 2x4		10	88		880	$584.32	2L F32T8 25W DELAMP / REFLECTOR	20	$ 200.00	10	43	430	$285.52	4000	450	1800	298.8	$ 298.80	
286	2	F Section		STORAGE	2L F32T8 WRAP		4	60		240	$159.36	2L F32T8 25W RELAMP		$ -	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
287	2	F Section		MIS	3L F32T8 2x4		6	88		528	$350.59	2L F32T8 25W DELAMP / REFLECTOR	20	$ 120.00	6	43	258	$171.31	4000	270	1080	179.28	$ 179.28	
288	2	F Section		MENS COACHES ROOM	2L F32T8 WRAP		4	60		240	$159.36	2L F32T8 25W RELAMP		$ -	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
289	2	F Section		GIRLS COACHES ROOM	2L F32T8 WRAP		4	60		240	$159.36	2L F32T8 25W RELAMP		$ -	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
290	2	F Section		BOYS TEAM ROOM	2L F32T8 WRAP		8	60		480	$318.72	2L F32T8 25W RELAMP		$ -	8	43	344	$228.42	4000	136	544	90.304	$ 90.30	
291	2	F Section		BOYS TEAM ROOM	2L FB32T8 U6 2X2		1	60		60	$39.84	2L F17T8 17W RLRB / REFLECTOR	10	$ 10.00	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
292	2	F Section		CLOSET	4L F32T8 WRAP		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
293	2	F Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 8.57
294	2	F Section		ELECTRICAL ROOM	2L FB32T8 U6 2X2		1	60		60	$39.84	2L F17T8 17W RLRB / REFLECTOR	10	$ 10.00	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
295	2	F Section		MAINTENANCE CLOSET	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
296	2	F Section		GIRLS TEAM ROOM	2L F32T8 WRAP		8	60		480	$318.72	2L F32T8 25W RELAMP		$ -	8	43	344	$228.42	4000	136	544	90.304	$ 90.30	
297	2	F Section		GIRLS TEAM ROOM	2L FB32T8 U6 2X2		4	60		240	$159.36	2L F17T8 17W RLRB / REFLECTOR	10	$ 40.00	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
298	2	F Section		CLOSET	4L F32T8 WRAP		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
299	2	F Section		CONFERENCE ROOM	3L F32T8 2x4		2	88		176	$116.86	2L F32T8 25W DELAMP / REFLECTOR	20	$ 40.00	2	43	86	$57.10	4000	90	360	59.76	$ 59.76	
300	2	F Section		GIRLS ROOM	2L FB32T8 U6 2X2		7	60		420	$278.88	2L F17T8 17W RLRB / REFLECTOR	10	$ 70.00	7	43	301	$199.86	4000	119	476	79.016	$ 79.02	
301	2	F Section		BOYS ROOM	2L FB32T8 U6 2X2		5	60		300	$199.20	2L F17T8 17W RLRB / REFLECTOR	10	$ 50.00	5	43	215	$142.76	4000	85	340	56.44	$ 56.44	
302	2	F Section		STORAGE	4L F32T8 WRAP		6	112		672	$446.21	2L F32T8 25W DELAMP / REFLECTOR	20	$ 120.00	6	43	258	$171.31	4000	414	1656	274.896	$ 274.90	
303	2	F Section		IDF	4L F32T8 WRAP		1	112		112	$74.37	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	69	276	45.816	$ 45.82	
304	2	F Section	F220	CLASSROOM	3L F32T8 2x4		12	88	54	1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
305	2	F Section	F200	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
306	2	F Section	F218	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
307	2	F Section	F218	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
308	2	F Section	F216	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
309	2	F Section	F216	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
310	2	F Section	F214	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
311	2	F Section	F214	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
312	2	F Section	F212	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
313	2	F Section	F212	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
314	2	F Section	F210	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
315	2	F Section	F210	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
316	2	F Section	F208	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
317	2	F Section	F208	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
318	2	F Section	F205	CLASSROOM	2L F32T8 WRAP		18	60	38	1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
319	2	F Section	F205	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
320	2	F Section	F206	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
321	2	F Section	F206	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
322	2	F Section	F204	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
323	2	F Section	F204	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
324	2	F Section	F203	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
325	2	F Section	F203	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18

LN #	FL #	Section/ Building	ROOM #	Room Description	Existing Fixture Description	Fixture Code	Exist. Qty.	Exist. Fix W/s	Foot Candle	Total Fix W/s	Existing An. Cost	Replacement Fixture Description	NJ Rebate Code	NJ Rebate Amount	Repl Qty	Repl Fix W/s	Total Fix W/s	Proposed An. Cost	Opr Hours	Fix W/s Saved	kWh Saved	0.154/kWh	Annual Elec. Savings	Annual Sens Savings
326	2	F Section	F202	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
327	2	F Section	F202	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 154.18
328	2	F Section	F201	CLASSROOM	2L F32T8 WRAP		16	60		960	$637.44	2L F32T8 25W RELAMP		$ -	16	43	688	$456.83	4000	272	1088	180.608	$ 180.61	
329	2	F Section	F201	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 137.05
330	2	A Section	A222	CLASSROOM	2L F32T8 WRAP		21	60		1260	$836.64	2L F32T8 25W RELAMP		$ -	21	43	903	$599.59	4000	357	1428	237.048	$ 237.05	
331	2	A Section	A222	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 179.88
332	2	A Section	A220	CLASSROOM	2L F32T8 WRAP		21	60		1260	$836.64	2L F32T8 25W RELAMP		$ -	21	43	903	$599.59	4000	357	1428	237.048	$ 237.05	
333	2	A Section	A220	ENGLISH	2L F32T8 WRAP		5	60		300	$199.20	2L F32T8 25W RELAMP		$ -	5	43	215	$142.76	4000	85	340	56.44	$ 56.44	
334	2	A Section	A218	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
335	2	A Section	A216	CLASSROOM	2L F32T8 WRAP		18	60		1080	$717.12	2L F32T8 25W RELAMP		$ -	18	43	774	$513.94	4000	306	1224	203.184	$ 203.18	
336	2	A Section	A224	WRITING	2L F32T8 WRAP		21	60		1260	$836.64	2L F32T8 25W RELAMP		$ -	21	43	903	$599.59	4000	357	1428	237.048	$ 237.05	
337	2	A Section	A214	CLASSROOM	3L F32T8 2x4		9	88		792	$525.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 180.00	9	43	387	$256.97	4000	405	1620	268.92	$ 268.92	
338	2	A Section	A214	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 77.09
339	2	A Section	A212	CLASSROOM	3L F32T8 2x4		9	88		792	$525.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 180.00	9	43	387	$256.97	4000	405	1620	268.92	$ 268.92	
340	2	A Section	A212	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 77.09
341	2	A Section	A210	CLASSROOM	3L F32T8 2x4		9	88		792	$525.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 180.00	9	43	387	$256.97	4000	405	1620	268.92	$ 268.92	
342	2	A Section	A210	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 77.09
343	2	A Section	A208	CLASSROOM	3L F32T8 2x4		9	88		792	$525.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 180.00	9	43	387	$256.97	4000	405	1620	268.92	$ 268.92	
344	2	A Section	A208	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 77.09
345	2	A Section	A206	CLASSROOM	3L F32T8 2x4		9	88	38	792	$525.89	2L F32T8 25W DELAMP / REFLECTOR	20	$ 180.00	9	43	387	$256.97	4000	405	1620	268.92	$ 268.92	
346	2	A Section	A206	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 77.09
347	2	A Section	A204	CLASSROOM	2L F32T8 WRAP		23	60	53	1380	$916.32	2L F32T8 25W RELAMP		$ -	23	43	989	$656.70	4000	391	1564	259.624	$ 259.62	
348	2	A Section	A204	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 197.01
349	2	A Section	A202	CLASSROOM	2L F32T8 WRAP		16	60		960	$637.44	2L F32T8 25W RELAMP		$ -	16	43	688	$456.83	4000	272	1088	180.608	$ 180.61	
350	2	A Section	A202	MEDIA ROOM	2L FB32T8 U6 2X2		10	60		600	$398.40	2L F17T8 17W RLRB / REFLECTOR	10	$ 100.00	10	43	430	$285.52	4000	170	680	112.88	$ 112.88	
351	2	A Section	A200	CLASSROOM	2L F32T8 WRAP		12	60		720	$478.08	2L F32T8 25W RELAMP		$ -	12	43	516	$342.62	4000	204	816	135.456	$ 135.46	
352	2	A Section	A200	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
353	2	A Section	A224	CLASSROOM	2L F32T8 WRAP		21	60	37	1260	$836.64	2L F32T8 25W RELAMP		$ -	21	43	903	$599.59	4000	357	1428	237.048	$ 237.05	
354	2	A Section	A224	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 179.88
355	2	A Section		CHILD STUDY HALL	2L FB32T12 U6 2X2		9	80		720	$478.08	2L F17T8 17W RLRB / REFLECTOR	10	$ 90.00	9	43	387	$256.97	4000	333	1332	221.112	$ 221.11	
356	2	A Section		CONFERENCE ROOM	2L FB32T12 U6 2X2		6	80		480	$318.72	2L F17T8 17W RLRB / REFLECTOR	10	$ 60.00	6	43	258	$171.31	4000	222	888	147.408	$ 147.41	
357	2	A Section		COPY ROOM	2L FB32T12 U6 2X2		2	80		160	$106.24	2L F17T8 17W RLRB / REFLECTOR	10	$ 20.00	2	43	86	$57.10	4000	74	296	49.136	$ 49.14	
358	2	A Section		CST OFFICE 1	2L FB32T12 U6 2X2		2	80		160	$106.24	2L F17T8 17W RLRB / REFLECTOR	10	$ 20.00	2	43	86	$57.10	4000	74	296	49.136	$ 49.14	
359	2	A Section		CST OFFICE 2	2L FB32T12 U6 2X2		2	80		160	$106.24	2L F17T8 17W RLRB / REFLECTOR	10	$ 20.00	2	43	86	$57.10	4000	74	296	49.136	$ 49.14	
360	2	A Section		CST OFFICE 3	2L FB32T12 U6 2X2		3	80		240	$159.36	2L F17T8 17W RLRB / REFLECTOR	10	$ 30.00	3	43	129	$85.66	4000	111	444	73.704	$ 73.70	
361	2	A Section		CST OFFICE 4	2L FB32T12 U6 2X2		3	80		240	$159.36	2L F17T8 17W RLRB / REFLECTOR	10	$ 30.00	3	43	129	$85.66	4000	111	444	73.704	$ 73.70	
362	2	A Section	A203	WORLD LANGUAGE	2L F32T8 WRAP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
363	2	A Section	A203	SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 25.70
364	2	A Section	A205	CLASSROOM	3L F32T8 2x4		12	88		1056	$701.18	2L F32T8 25W DELAMP / REFLECTOR	20	$ 240.00	12	43	516	$342.62	4000	540	2160	358.56	$ 358.56	
365	2	A Section	A205	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 102.79
366	2	A Section	A205	CLASSROOM	3L F32T8 2x4		18	88		1584	$1,051.78	2L F32T8 25W DELAMP / REFLECTOR	20	$ 360.00	18	43	774	$513.94	4000	810	3240	537.84	$ 537.84	
367	2	A Section	A205	CLASSROOM	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
368	2	A Section	A205	CLASSROOM	2L FB32T12 U6 2X2		1	80		80	$53.12	2L F17T8 17W RLRB / REFLECTOR	10	$ 10.00	1	43	43	$28.55	4000	37	148	24.568	$ 24.57	
369	2	A Section	A205	OFFICE	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
370	2	A Section	A209	ART ROOM	3L F32T8 2x4		21	88	47	1848	$1,227.07	2L F32T8 25W DELAMP / REFLECTOR	20	$ 420.00	21	43	903	$599.59	4000	945	3780	627.48	$ 627.48	
371	2	A Section	A209	SENSOR SAVINGS	CEILING		1			0	$0.00	O/S CEILING	35	$ 35.00	1			$0.00						$ 179.88
372	2	A Section		MENS BATHROOM	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
373	2	A Section		WOMENS BATHROOM	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
374	2	A Section		TRANSITION COUNSELOR	2L F32T8 WRAP		4	60		240	$159.36	2L F32T8 25W RELAMP		$ -	4	43	172	$114.21	4000	68	272	45.152	$ 45.15	
375	2	A Section		SENSOR SAVINGS	WALL		1			0	$0.00	O/S WALL	20	$ 20.00	1			$0.00						$ 34.26
376	2	A Section		GIRLS ROOM	3L F32T8 2x4		3	88		264	$175.30	2L F32T8 25W DELAMP / REFLECTOR	20	$ 60.00	3	43	129	$85.66	4000	135	540	89.64	$ 89.64	
377	2	A Section		MAINTENANCE CLOSET	2L F32T8 WRAP		1	60		60	$39.84	2L F32T8 25W RELAMP		$ -	1	43	43	$28.55	4000	17	68	11.288	$ 11.29	
378	2	A Section		BOYS ROOM	2L F32T8 WRAP		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
379	1	AUDITORIUM		SEATING AREA	4L F32T8 2X8 w/REFL		20	112		2240	$1,487.36	4L F32T8 25W RELAMP		$ -	20	86	1720	$1,142.08	4000	520	2080	345.28	$ 345.28	
380	1	AUDITORIUM		SEATING AREA	120W PAR38 CAN DIMM		131	120		15720	$10,438.08	23W PAR38 CFL DIMM		$ -	131	23	3013	$2,000.63	4000	12707	50828	8437.448	$ 8,437.45	
381	1	MEDIA CENTER		ENTRY HALL	2L FB32T8 U6 2X2		2	60		120	$79.68	2L F17T8 17W RLRB / REFLECTOR	10	$ 20.00	2	43	86	$57.10	4000	34	136	22.576	$ 22.58	
382	1	MEDIA CENTER		ENTRY	3L F32T8 2x4		1	88		88	$58.43	2L F32T8 25W DELAMP / REFLECTOR	20	$ 20.00	1	43	43	$28.55	4000	45	180	29.88	$ 29.88	
383	1	MEDIA CENTER		FRONT DESK	2L 13W PL REC CAN		7	26		182	$120.85	NO MEASURE		$ -	7	26	182	$120.85	4000	0	0	0	$ -	
384	1	MEDIA CENTER		STACKS	4L F32T8 1x8 INDIRECT		42	112		4704	$3,123.46	4L F32T8 25W RELAMP		$ -	42	86	3612	$2,398.37	4000	1092	4368	725.088	$ 725.09	
385	1	MEDIA CENTER		STACKS	2L F32T8 1x4 INDIRECT		10	60		600	$398.40	2L F32T8 25W RELAMP		$ -	10	43	430	$285.52	4000	170	680	112.88	$ 112.88	
386	1	MEDIA CENTER		STACKS	1L F32T8 1x4 SURFACE		68	30		2040	$1,354.56	1L F32T8 25W RELAMP		$ -	68	30	2040	$1,354.56	4000	0	0	0	$ -	
387	1	MEDIA CENTER		WORK ROOM A	2L FB32T8 U6 2X2		22	60		1320	$876.48	2L F17T8 17W RLRB / REFLECTOR	10	$ 220.00	22	43	946	$628.14	4000	374	1496	248.336	$ 248.34	
388	1	MEDIA CENTER		WORK ROOM B	65W R30 RECESSED CAN		12	65		780	$517.92	15W PAR30 CFL		$ -	12	15	180	$119.52	4000	600	2400	398.4	$ 398.40	
389	1	MEDIA CENTER		WORK ROOM C	2L F32T8 1x4 INDIRECT		3	60		180	$119.52	2L F32T8 25W RELAMP		$ -	3	43	129	$85.66	4000	51	204	33.864	$ 33.86	
390	1	MEDIA CENTER		WORK ROOM D	2L FB32T8 U6 2X2		6	60		360	$239.04	2L F17T8 17W RLRB / REFLECTOR	10	$ 60.00	6	43	258	$171.31	4000	102	408	67.728	$ 67.73	
391	1	MEDIA CENTER		OFFICE	2L FB32T8 U6 2X2		5	60		300	$199.20	2L F17T8 17W RLRB / REFLECTOR	10	$ 50.00	5	43	215	$142.76	4000	85	340	56.44	$ 56.44	
										233,039	$154,737.90			$ 35,120.00			131728	$ 87,467.39	KW SAVED >>>>	101.31	405244	67270.504	$ 67,270.50	$ 7,435.74

Electric Rate: $0.166

Total Cost Saving $ 74,706.24

Total kWh Saving: 450,037.60

Name:	Northern Valley Regional High School - Old Tappan HS
Address:	100 Central Avenue
City, St.	Old Tappan, NJ
Contact:	Joanne Spadaccini
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																		NON UNION	
LN #	Fix #	Replacement Fixture Description	Repl Qty	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Service	cost lmp	qty ref	Reflector / Raceway	cost ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot Cost
1	1	2L F32T8 25W DELAMP / REFLECTOR	6	6			12	F32T8 25W LAMP	$ 3.00	6	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 25.00	$ 150.00
2	1	1L F32T8 25W RELAMP & REBALLAST	2	2	2L T8 EL-NBF BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	2		$ -	$ 24.00	$ 6.00	$ -	$ 39.00	$ 30.00	$ 60.00
3	1	2L F32T8 25W DELAMP / REFLECTOR	6	6			12	F32T8 25W LAMP	$ 3.00	6	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 25.00	$ 150.00
4	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
5	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
6	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
7	1	2L F32T8 25W DELAMP / REFLECTOR	18	18			36	F32T8 25W LAMP	$ 3.00	18	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 25.00	$ 450.00
8	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
9	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
10	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
11	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
12	1	2L F32T8 25W DELAMP / REFLECTOR	6	6			12	F32T8 25W LAMP	$ 3.00	6	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 25.00	$ 150.00
13	1	2L F32T8 25W DELAMP / REFLECTOR	19	19			38	F32T8 25W LAMP	$ 3.00	19	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 114.00	$ 342.00	$ 592.80	$ 25.00	$ 475.00
14	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
15	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
16	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
17	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
18	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
19	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
20	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 25.00	$ 25.00
21	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
22	1	2L F32T8 25W DELAMP / REFLECTOR	6	6			12	F32T8 25W LAMP	$ 3.00	6	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 25.00	$ 150.00
23	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
24	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
25	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
26	1	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
27	1	2L F32T8 25W DELAMP / REFLECTOR	13	13			26	F32T8 25W LAMP	$ 3.00	13	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 78.00	$ 234.00	$ 405.60	$ 25.00	$ 325.00
28	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
29	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 25.00	$ 25.00
30	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
31	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
32	1	2L F32T8 25W RELAMP	12	12			24	F32T8 25W LAMP	$ 3.00	12		$ -	$ -	$ 72.00	$ -	$ 93.60	$ 12.00	$ 144.00
33	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
34	1	2L F32T8 25W RELAMP	21	21			42	F32T8 25W LAMP	$ 3.00	21		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
35	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
36	1	2L F32T8 25W RELAMP	21	21			42	F32T8 25W LAMP	$ 3.00	21		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
37	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
38	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
39	1	2L F32T8 25W DELAMP / REBALLAST /	4	4	2L T8 EL-NBF BALLAST	$ 12.00	8	F32T8 25W LAMP	$ 3.00	4	2x4 M4 REFLECTOR	$ 18.00	$ 48.00	$ 24.00	$ 72.00	$ 187.20	$ 30.00	$ 120.00
40	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
41	1	1L F32T8 25W RELAMP	1	1			1	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
42	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
43	1	2L F32T8 25W RELAMP & REBALLAST	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	1		$ -	$ 12.00	$ 6.00	$ -	$ 23.40	$ 30.00	$ 30.00
44	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
45	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
46	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
47	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
48	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
49	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
50	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
51	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
52	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
53	1	2L F32T8 25W DELAMP / REBALLAST /	3	3	2L T8 EL-NBF BALLAST	$ 12.00	6	F32T8 25W LAMP	$ 3.00	3	2x4 M4 REFLECTOR	$ 18.00	$ 36.00	$ 18.00	$ 54.00	$ 140.40	$ 30.00	$ 90.00
54	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
55	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 25.00	$ 25.00
56	1	2L F32T8 25W DELAMP / REFLECTOR	3	3			6	F32T8 25W LAMP	$ 3.00	3	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 25.00	$ 75.00
57	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
58	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
59	1	2L F32T8 25W DELAMP / REBALLAST /	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ 24.00	$ 12.00	$ 36.00	$ 93.60	$ 30.00	$ 60.00
60	1	2L F32T8 25W RELAMP & REBALLAST	3	3	2L T8 EL-NBF BALLAST	$ 12.00	6	F32T8 25W LAMP	$ 3.00	3		$ -	$ 36.00	$ 18.00	$ -	$ 70.20	$ 30.00	$ 90.00
61	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			2	F32T8 25W LAMP	$ 3.00	2	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 36.00	$ 54.60	$ 30.00	$ 60.00
62	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
63	1	2L F32T8 25W DELAMP / REBALLAST /	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ 24.00	$ 12.00	$ 36.00	$ 93.60	$ 30.00	$ 60.00
64	1	1L F32T8 25W RELAMP & REBALLAST	1	1	2L T8 EL-NBF BALLAST	$ 12.00	1	F32T8 25W LAMP	$ 3.00	1		$ -	$ 12.00	$ 3.00	$ -	$ 19.50	$ 30.00	$ 30.00
65	1	2L F17T8 17W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F17T8 17W LAMP	$ 3.00	1	2x2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 30.00	$ 30.00
66	1	2L F32T8 25W DELAMP / REBALLAST /	4	4	2L T8 EL-NBF BALLAST	$ 12.00	8	F32T8 25W LAMP	$ 3.00	4	2x4 M4 REFLECTOR	$ 18.00	$ 48.00	$ 24.00	$ 72.00	$ 187.20	$ 30.00	$ 120.00
67	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			12	F32T8 25W LAMP	$ 3.00	12	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 216.00	$ 327.60	$ 30.00	$ 360.00
68	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			8	F32T8 25W LAMP	$ 3.00	2	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 36.00	$ 78.00	$ 30.00	$ 60.00
69	1	1L F32T8 25W RELAMP & REBALLAST	1	1	2L T8 EL-NBF BALLAST	$ 12.00	1	F32T8 25W LAMP	$ 3.00	1		$ -	$ 12.00	$ 3.00	$ -	$ 19.50	$ 30.00	$ 30.00
70	1	2L F32T8 25W DELAMP / REFLECTOR	4	4			8	F32T8 25W LAMP	$ 3.00	4	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
71	1	2L F32T8 25W DELAMP / REFLECTOR	4	4			8	F32T8 25W LAMP	$ 3.00	4	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 30.00	$ 120.00
72	1	2L F17T8 17W RLRB / REFLECTOR	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F17T8 17W LAMP	$ 3.00	2	2x2 M4 REFLECTOR	$ 12.00	$ 24.00	$ 12.00	$ 24.00	$ 78.00	$ 30.00	$ 60.00
73	1	2L F32T8 25W DELAMP / REFLECTOR	8	8			16	F32T8 25W LAMP	$ 3.00	8	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 48.00	$ 144.00	$ 249.60	$ 25.00	$ 200.00
74	1	2L F17T8 17W RLRB / REFLECTOR	3	3	2L T8 EL-NBF BALLAST	$ 12.00	6	F17T8 17W LAMP	$ 3.00	3	2x2 M4 REFLECTOR	$ 12.00	$ 36.00	$ 18.00	$ 36.00	$ 117.00	$ 30.00	$ 90.00

CN #	FL #	Replacement Fixture Description	Repl Qty	qty /fix	Fixture / Ballast	cost /fix	qty /lmp	Lamp / Sensor	cost /lmp	qty /ref	Reflector / PowerPack	cost /ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot. Cost
75	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
76	1	2L F32T8 25W DELAMP / REFLECTOR	29	29			58	F32T8 25W LAMP	$ 3.00	29	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 174.00	$ 522.00	$ 904.80	$ 25.00	$ 725.00
77	1	2L F32T8 25W DELAMP / REFLECTOR	4	4			8	F32T8 25W LAMP	$ 3.00	4	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 25.00	$ 100.00
78	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
79	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
80	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
81	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			1	F32T8 25W LAMP	$ 3.00	1	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 3.00	$ 18.00	$ 27.30	$ 30.00	$ 30.00
82	1	2L F32T8 25W DELAMP / REFLECTOR	18	18			36	F32T8 25W LAMP	$ 3.00	18	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 25.00	$ 450.00
83	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
84	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
85	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
86	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			1	F32T8 25W LAMP	$ 3.00	1	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 3.00	$ 18.00	$ 27.30	$ 30.00	$ 30.00
87	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
88	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
89	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			2	F32T8 25W LAMP	$ 3.00	2	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 36.00	$ 54.60	$ 30.00	$ 60.00
90	1	2L F32T8 25W DELAMP / REFLECTOR	9	9			18	F32T8 25W LAMP	$ 3.00	9	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 25.00	$ 225.00
91	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
92	1	2L F32T8 25W RELAMP & REBALLAST	3	3	2L T8 EL-NBF BALLAST	$ 12.00	6	F32T8 25W LAMP	$ 3.00	3		$ -	$ 36.00	$ 18.00	$ -	$ 70.20	$ 30.00	$ 90.00
93	1	2L F32T8 25W DELAMP / REFLECTOR	9	9			18	F32T8 25W LAMP	$ 3.00	9	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 25.00	$ 225.00
94	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
95	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
96	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
97	1	2L F32T8 25W DELAMP / REFLECTOR	13	13			26	F32T8 25W LAMP	$ 3.00	13	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 78.00	$ 234.00	$ 405.60	$ 25.00	$ 325.00
98	1	2L F32T8 25W DELAMP / REFLECTOR	3	3			6	F32T8 25W LAMP	$ 3.00	3	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 25.00	$ 75.00
99	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
100	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
101	1	2L F32T8 25W DELAMP / REFLECTOR	18	18			36	F32T8 25W LAMP	$ 3.00	18	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 25.00	$ 450.00
102	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
103	1	2L F32T8 25W DELAMP / REFLECTOR	9	9			18	F32T8 25W LAMP	$ 3.00	9	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 25.00	$ 225.00
104	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			1	F32T8 25W LAMP	$ 3.00	1	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 3.00	$ 18.00	$ 27.30	$ 30.00	$ 30.00
105	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
106	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
107	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
108	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
109	1	1L F32T8 25W RELAMP	2	2			2	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 24.00
110	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			1	F32T8 25W LAMP	$ 3.00	1	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 3.00	$ 18.00	$ 27.30	$ 30.00	$ 30.00
111	1	2L F32T8 25W DELAMP / REFLECTOR	3	3			6	F32T8 25W LAMP	$ 3.00	3	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 25.00	$ 75.00
112	1	2L F32T8 25W DELAMP / REFLECTOR	30	30			60	F32T8 25W LAMP	$ 3.00	30	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 180.00	$ 540.00	$ 936.00	$ 25.00	$ 750.00
113	1	2L F32T8 25W DELAMP / REFLECTOR	29	29			58	F32T8 25W LAMP	$ 3.00	29	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 174.00	$ 522.00	$ 904.80	$ 25.00	$ 725.00
114	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
115	1	2L F32T8 25W RELAMP & REBALLAST	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	1		$ -	$ 12.00	$ 6.00	$ -	$ 23.40	$ 30.00	$ 30.00
116	1	20W CFL	1	1			1	20W CFL	$ 10.00	1		$ -	$ -	$ 10.00	$ -	$ 13.00	$ 10.00	$ 10.00
117	1	1L F32T8 25W RELAMP	2	2			2	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 24.00
118	1	2L F32T8 25W DELAMP / REFLECTOR	10	10			20	F32T8 25W LAMP	$ 3.00	10	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 25.00	$ 250.00
119	1	2L F17T8 17W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F17T8 17W LAMP	$ 3.00	1	2x2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 30.00	$ 30.00
120	1	1L F32T8 25W RELAMP	1	1			1	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
121	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
122	1	2L F32T8 25W RELAMP & REBALLAST	4	4	2L T8 EL-NBF BALLAST	$ 12.00	8	F32T8 25W LAMP	$ 3.00	4		$ -	$ 48.00	$ 24.00	$ -	$ 93.60	$ 30.00	$ 120.00
123	1	2L F32T8 25W DELAMP / REFLECTOR	30	30			60	F32T8 25W LAMP	$ 3.00	30	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 180.00	$ 540.00	$ 936.00	$ 25.00	$ 750.00
124	1	2L F32T8 25W RELAMP	6	6			12	F32T8 25W LAMP	$ 3.00	6		$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 72.00
125	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
126	1	2L F32T8 25W DELAMP / REFLECTOR	21	21			42	F32T8 25W LAMP	$ 3.00	21	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 126.00	$ 378.00	$ 655.20	$ 25.00	$ 525.00
127	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
128	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
129	1	NO MEASURE	2	2			2			2		$ -	$ -	$ -	$ -	$ -		$ -
130	1	2L F32T8 25W RELAMP & REBALLAST	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F32T8 25W LAMP	$ 3.00	2		$ -	$ 24.00	$ 12.00	$ -	$ 46.80	$ 30.00	$ 60.00
131	1	2L F32T8 25W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	1	1x8 M4 REFLECTOR KIT	$ 20.00	$ 12.00	$ 6.00	$ 20.00	$ 49.40	$ 30.00	$ 30.00
132	1	3L F32T8 25W RELAMP	16	16			48	F32T8 25W LAMP	$ 3.00	16		$ -	$ -	$ 144.00	$ -	$ 187.20	$ 12.00	$ 192.00
133	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
134	1	2L F32T8 25W DELAMP / REFLECTOR	17	17			34	F32T8 25W LAMP	$ 3.00	17	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 102.00	$ 306.00	$ 530.40	$ 25.00	$ 425.00
135	1	2L F32T8 25W RELAMP	16	16			32	F32T8 25W LAMP	$ 3.00	16		$ -	$ -	$ 96.00	$ -	$ 124.80	$ 12.00	$ 192.00
136	1	2L F32T8 25W DELAMP / REFLECTOR	20	20			40	F32T8 25W LAMP	$ 3.00	20	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 120.00	$ 360.00	$ 624.00	$ 25.00	$ 500.00
137	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
138	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
139	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
140	1	2L F32T8 25W RELAMP	4	4			8	F32T8 25W LAMP	$ 3.00	4		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
141	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
142	1	2L F32T8 25W DELAMP / REFLECTOR	16	16			32	F32T8 25W LAMP	$ 3.00	16	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 96.00	$ 288.00	$ 499.20	$ 30.00	$ 480.00
143	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
144	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
145	1	2L F32T8 25W DELAMP / REFLECTOR	10	10			20	F32T8 25W LAMP	$ 3.00	10	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 25.00	$ 250.00
146	1	NO MEASURE	3	3			3			3		$ -	$ -	$ -	$ -	$ -		$ -
147	1	NO MEASURE	3	3			3			3		$ -	$ -	$ -	$ -	$ -		$ -
148	1	2L F32T8 25W RELAMP	51	51			102	F32T8 25W LAMP	$ 3.00	51		$ -	$ -	$ 306.00	$ -	$ 397.80	$ 12.00	$ 612.00
149	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
150	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
151	1	2L F32T8 25W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	1	1x8 M4 REFLECTOR KIT	$ 20.00	$ 12.00	$ 6.00	$ 20.00	$ 49.40	$ 30.00	$ 30.00
152	1	2L F32T8 25W RELAMP	9	9			18	F32T8 25W LAMP	$ 3.00	9		$ -	$ -	$ 54.00	$ -	$ 70.20	$ 12.00	$ 108.00
153	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
154	1	2L F32T8 25W RELAMP	4	4			8	F32T8 25W LAMP	$ 3.00	4		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
155	1	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
156	1	2L F32T8 25W RELAMP	4	4			8	F32T8 25W LAMP	$ 3.00	4		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
157	1	2L F32T8 25W DELAMP / REFLECTOR	13	13			26	F32T8 25W LAMP	$ 3.00	13	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 78.00	$ 234.00	$ 405.60	$ 25.00	$ 325.00
158	1	15W PAR30 CFL	3	3			3	15W PAR30 CFL	$ 10.00	3		$ -	$ -	$ 30.00	$ -	$ 39.00	$ 10.00	$ 30.00

LN #	FL #	Replacement Fixture Description	Repl Qty	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Sensor	cost lmp	qty ref	Reflector / PowerPack	cost ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot Cost
159	1	NO MEASURE	28	28			28			28		$ -	$ -	$ -	$ -	$ -		$ -
160	1	2L F32T8 25W RELAMP	5	5			10	F32T8 25W LAMP	$ 3.00	5		$ -	$ -	$ 30.00	$ -	$ 39.00	$ 12.00	$ 60.00
161	1	2L F32T8 25W RELAMP	8	8			16	F32T8 25W LAMP	$ 3.00	8		$ -	$ -	$ 48.00	$ -	$ 62.40	$ 12.00	$ 96.00
162	1	2L F32T8 25W RELAMP	7	7			14	F32T8 25W LAMP	$ 3.00	7		$ -	$ -	$ 42.00	$ -	$ 54.60	$ 12.00	$ 84.00
163	1	2L F17T8 17W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F17T8 17W LAMP	$ 3.00	1	2x2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 30.00	$ 30.00
164	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
165	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
166	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
167	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
168	1	NO MEASURE	2	2			2			2		$ -	$ -	$ -	$ -	$ -		$ -
169	1	2L F17T8 17W RLRB / REFLECTOR	5	5	2L T8 EL-NBF BALLAST	$ 12.00	10	F17T8 17W LAMP	$ 3.00	5	2x2 M4 REFLECTOR	$ 12.00	$ 60.00	$ 30.00	$ 60.00	$ 195.00	$ 30.00	$ 150.00
170	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
171	1	2L F17T8 17W RLRB / REFLECTOR	5	5	2L T8 EL-NBF BALLAST	$ 12.00	10	F17T8 17W LAMP	$ 3.00	5	2x2 M4 REFLECTOR	$ 12.00	$ 60.00	$ 30.00	$ 60.00	$ 195.00	$ 30.00	$ 150.00
172	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
173	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
174	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
175	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
176	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
177	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
178	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
179	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
180	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
181	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
182	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
183	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
184	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
185	1	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
186	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
187	1	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
188	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
189	1	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
190	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
191	1	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
192	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
193	1	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
194	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
195	1	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
196	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
197	1	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
198	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
199	1	2L F32T8 25W DELAMP / REFLECTOR	7	7			14	F32T8 25W LAMP	$ 3.00	7	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 42.00	$ 126.00	$ 218.40	$ 25.00	$ 175.00
200	1	2L F32T8 25W RELAMP	22	22			44	F32T8 25W LAMP	$ 3.00	22		$ -	$ -	$ 132.00	$ -	$ 171.60	$ 12.00	$ 264.00
201	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
202	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
203	1	2L F32T8 25W RELAMP	9	9			18	F32T8 25W LAMP	$ 3.00	9		$ -	$ -	$ 54.00	$ -	$ 70.20	$ 12.00	$ 108.00
204	1	2L F17T8 17W RLRB / REFLECTOR	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F17T8 17W LAMP	$ 3.00	2	2x2 M4 REFLECTOR	$ 12.00	$ 24.00	$ 12.00	$ 24.00	$ 78.00	$ 30.00	$ 60.00
205	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
206	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
207	1	2L F17T8 17W RLRB / REFLECTOR	4	4	2L T8 EL-NBF BALLAST	$ 12.00	8	F17T8 17W LAMP	$ 3.00	4	2x2 M4 REFLECTOR	$ 12.00	$ 48.00	$ 24.00	$ 48.00	$ 156.00	$ 30.00	$ 120.00
208	1	2L F32T8 25W RELAMP	6	6			12	F32T8 25W LAMP	$ 3.00	6		$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 72.00
209	1	NEW 2X4 6LF54T5HO HB W/LENS & GU	30	30	NEW 6LT5HO/HBF W/ LENS & GUARD	$250.00	30			30		$ -	$ 7,500.00	$ -	$ -	$ 9,750.00	$ 75.00	$ 2,250.00
210	1	2L F32T8 25W RELAMP	10	10			20	F32T8 25W LAMP	$ 3.00	10		$ -	$ -	$ 60.00	$ -	$ 78.00	$ 12.00	$ 120.00
211	1	2L F17T8 17W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F17T8 17W LAMP	$ 3.00	1	2x2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 30.00	$ 30.00
212	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
213	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
214	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
215	1	2L F17T8 17W RLRB / REFLECTOR	5	5	2L T8 EL-NBF BALLAST	$ 12.00	10	F17T8 17W LAMP	$ 3.00	5	2x2 M4 REFLECTOR	$ 12.00	$ 60.00	$ 30.00	$ 60.00	$ 195.00	$ 30.00	$ 150.00
216	1	2L F32T8 25W DELAMP / REFLECTOR	3	3			3	F32T8 25W LAMP	$ 3.00	3	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 9.00	$ 54.00	$ 81.90	$ 30.00	$ 90.00
217	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
218	1	2L F32T8 25W DELAMP / REFLECTOR	3	3			3	F32T8 25W LAMP	$ 3.00	3	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 9.00	$ 54.00	$ 81.90	$ 30.00	$ 90.00
219	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
220	1	2L F32T8 25W DELAMP / REFLECTOR	3	3			6	F32T8 25W LAMP	$ 3.00	3	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 25.00	$ 75.00
221	1	2L F32T8 25W DELAMP / REFLECTOR	18	18			36	F32T8 25W LAMP	$ 3.00	18	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 25.00	$ 450.00
222	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
223	1	2L F32T8 25W RELAMP	24	24			48	F32T8 25W LAMP	$ 3.00	24		$ -	$ -	$ 144.00	$ -	$ 187.20	$ 12.00	$ 288.00
224	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
225	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
226	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
227	1	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
228	1	1L F32T8 25W RELAMP	1	1			1	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
229	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
230	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
231	1	2L F32T8 25W DELAMP / REFLECTOR	38	38			76	F32T8 25W LAMP	$ 3.00	38	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 228.00	$ 684.00	$ 1,185.60	$ 30.00	$ 1,140.00
232	1	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
233	1	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
234	1	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
235	1	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
236	1	2L F32T8 25W DELAMP / REFLECTOR	5	5			10	F32T8 25W LAMP	$ 3.00	5	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 30.00	$ 90.00	$ 156.00	$ 30.00	$ 150.00
237	1	NEW 2X4 6LF54T5HO RT W/LENS & GU	36	36	NEW 6LT5HO/HBF W/ LEN	$250.00	36			36		$ -	$ 9,000.00	$ -	$ -	$ 11,700.00	$ 75.00	$ 2,700.00
238	1	20W CFL	2	2			2	20W CFL	$ 10.00	2		$ -	$ -	$ 20.00	$ -	$ 26.00	$ 10.00	$ 20.00
239	1	2L F17T8 17W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F17T8 17W LAMP	$ 3.00	1	2x2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 30.00	$ 30.00
240	1	2L F32T8 25W DELAMP / REFLECTOR	20	20			40	F32T8 25W LAMP	$ 3.00	20	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 120.00	$ 360.00	$ 624.00	$ 30.00	$ 600.00
241	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00

DN #	FL #	Replacement Fixture Description	Repl Qty.	qty fix	Fixture / Ballast	cost fix	qty lmp	Lamp / Sensor	cost lmp	qty ref	Reflector / BoomPack	cost ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot Cost
242	1	2L F17T8 17W RLRB / REFLECTOR	3	3	2L T8 EL-NBF BALLAST	$ 12.00	6	F17T8 17W LAMP	$ 3.00	3	2x2 M4 REFLECTOR	$ 12.00	$ 36.00	$ 18.00	$ 36.00	$ 117.00	$ 30.00	$ 90.00
243	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
244	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 30.00	$ 60.00
245	1	2L F32T8 25W DELAMP / REFLECTOR	4	4			8	F32T8 25W LAMP	$ 3.00	4	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 25.00	$ 100.00
246	1	2L F32T8 25W DELAMP / REFLECTOR	8	8			16	F32T8 25W LAMP	$ 3.00	8	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 48.00	$ 144.00	$ 249.60	$ 30.00	$ 240.00
247	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
248	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
249	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
250	1	NEW 2X4 4LF54T5HO HB W/LENS & GU	12	12	NEW 4LT5HO/HBF W/ LEN	$225.00	12			12		$ -	$ 2,700.00	$ -	$ -	$ 3,510.00	$ 75.00	$ 900.00
251	1	1L F32T8 25W RELAMP	1	1			1	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
252	1	2L F32T8 25W RELAMP	40	40			80	F32T8 25W LAMP	$ 3.00	40		$ -	$ -	$ 240.00	$ -	$ 312.00	$ 12.00	$ 480.00
253	1	2L F32T8 25W DELAMP / REFLECTOR	20	20			40	F32T8 25W LAMP	$ 3.00	20	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 120.00	$ 360.00	$ 624.00	$ 30.00	$ 600.00
254	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
255	1	2L F32T8 25W RELAMP	4	4			8	F32T8 25W LAMP	$ 3.00	4		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
256	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40		$ -
257	1	20W CFL	2	2			2	20W CFL	$ 10.00	2		$ -	$ -	$ 20.00	$ -	$ 26.00	$ 10.00	$ 20.00
258	1	1L F32T8 25W RELAMP	44	44			44	F32T8 25W LAMP	$ 3.00	44		$ -	$ -	$ 132.00	$ -	$ 171.60	$ 12.00	$ 528.00
259	1	2L F32T8 25W DELAMP / REFLECTOR	7	7			14	F32T8 25W LAMP	$ 3.00	7	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 42.00	$ 126.00	$ 218.40	$ 25.00	$ 175.00
260	1	2L F32T8 25W DELAMP / REFLECTOR	18	18			36	F32T8 25W LAMP	$ 3.00	18	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 25.00	$ 450.00
261	1	2L F32T8 25W DELAMP / REFLECTOR	3	3			6	F32T8 25W LAMP	$ 3.00	3	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 25.00	$ 75.00
262	1	2L F32T8 25W DELAMP / REFLECTOR	24	24			48	F32T8 25W LAMP	$ 3.00	24	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 144.00	$ 432.00	$ 748.80	$ 25.00	$ 600.00
263	1	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
264	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
265	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
266	1	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
267	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
268	1	2L F32T8 25W DELAMP / REFLECTOR	6	6			12	F32T8 25W LAMP	$ 3.00	6	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 25.00	$ 150.00
269	1	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
270	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
271	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
272	1	2L F32T8 25W RELAMP	6	6			12	F32T8 25W LAMP	$ 3.00	6		$ -	$ -	$ 36.00	$ -	$ 46.80	$ 12.00	$ 72.00
273	1	9W PAR20 CFL	4	4			4	9W PAR20 CFL	$ 10.00	4		$ -	$ -	$ 40.00	$ -	$ 52.00	$ 10.00	$ 40.00
274	1	2L F32T8 25W DELAMP / REFLECTOR	36	36			72	F32T8 25W LAMP	$ 3.00	36	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 216.00	$ 648.00	$ 1,123.20	$ 30.00	$ 1,080.00
275	1	1L F32T8 25W RELAMP	1	1			1	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 3.00	$ -	$ 3.90	$ 12.00	$ 12.00
276	1	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
277	1	1L F32T8 25W RELAMP	3	3			3	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 9.00	$ -	$ 11.70	$ 12.00	$ 36.00
278	1	2L F32T8 25W DELAMP / REFLECTOR	3	3			6	F32T8 25W LAMP	$ 3.00	3	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 25.00	$ 150.00
279	1	20W CFL	12	12			12	20W CFL	$ 10.00	12		$ -	$ -	$ 120.00	$ -	$ 156.00	$ 10.00	$ 120.00
280	1	2L F32T8 25W DELAMP / REFLECTOR	4	4			8	F32T8 25W LAMP	$ 3.00	4	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 24.00	$ 72.00	$ 124.80	$ 25.00	$ 100.00
281	1	2L F32T8 25W RELAMP	2	2			4	F32T8 25W LAMP	$ 3.00	2		$ -	$ -	$ 12.00	$ -	$ 15.60	$ 12.00	$ 24.00
282	1	2L F32T8 25W RELAMP & REBALLAST	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F32T8 25W LAMP	$ 3.00	1		$ -	$ 12.00	$ 6.00	$ -	$ 23.40	$ 30.00	$ 30.00
283	2	2L F32T8 25W RELAMP	30	30			60	F32T8 25W LAMP	$ 3.00	30		$ -	$ -	$ 180.00	$ -	$ 234.00	$ 12.00	$ 360.00
284	2	2L F32T8 25W DELAMP / REFLECTOR	10	10			20	F32T8 25W LAMP	$ 3.00	10	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 30.00	$ 300.00
285	2	2L F32T8 25W DELAMP / REFLECTOR	10	10			20	F32T8 25W LAMP	$ 3.00	10	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 60.00	$ 180.00	$ 312.00	$ 25.00	$ 250.00
286	2	2L F32T8 25W RELAMP	4	4			8	F32T8 25W LAMP	$ 3.00	4		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
287	2	2L F32T8 25W DELAMP / REFLECTOR	6	6			12	F32T8 25W LAMP	$ 3.00	6	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 36.00	$ 108.00	$ 187.20	$ 25.00	$ 150.00
288	2	2L F32T8 25W RELAMP	4	4			8	F32T8 25W LAMP	$ 3.00	4		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
289	2	2L F32T8 25W RELAMP	4	4			8	F32T8 25W LAMP	$ 3.00	4		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
290	2	2L F32T8 25W RELAMP	8	8			16	F32T8 25W LAMP	$ 3.00	8		$ -	$ -	$ 48.00	$ -	$ 62.40	$ 12.00	$ 96.00
291	2	2L F17T8 17W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F17T8 17W LAMP	$ 3.00	1	2x2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 30.00	$ 30.00
292	2	2L F32T8 25W DELAMP / REFLECTOR	1	1			1	F32T8 25W LAMP	$ 3.00	1	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 3.00	$ 18.00	$ 27.30	$ 30.00	$ 30.00
293	2	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
294	2	2L F17T8 17W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F17T8 17W LAMP	$ 3.00	1	2x2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 30.00	$ 30.00
295	2	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
296	2	2L F32T8 25W RELAMP	8	8			16	F32T8 25W LAMP	$ 3.00	8		$ -	$ -	$ 48.00	$ -	$ 62.40	$ 12.00	$ 96.00
297	2	2L F17T8 17W RLRB / REFLECTOR	4	4	2L T8 EL-NBF BALLAST	$ 12.00	8	F17T8 17W LAMP	$ 3.00	4	2x2 M4 REFLECTOR	$ 12.00	$ 48.00	$ 24.00	$ 48.00	$ 156.00	$ 30.00	$ 120.00
298	2	2L F32T8 25W DELAMP / REFLECTOR	1	1			4	F32T8 25W LAMP	$ 3.00	1	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 18.00	$ 39.00	$ 30.00	$ 30.00
299	2	2L F32T8 25W DELAMP / REFLECTOR	2	2			4	F32T8 25W LAMP	$ 3.00	2	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 12.00	$ 36.00	$ 62.40	$ 25.00	$ 50.00
300	2	2L F17T8 17W RLRB / REFLECTOR	7	7	2L T8 EL-NBF BALLAST	$ 12.00	14	F17T8 17W LAMP	$ 3.00	7	2x2 M4 REFLECTOR	$ 12.00	$ 84.00	$ 42.00	$ 84.00	$ 273.00	$ 30.00	$ 210.00
301	2	2L F17T8 17W RLRB / REFLECTOR	5	5	2L T8 EL-NBF BALLAST	$ 12.00	10	F17T8 17W LAMP	$ 3.00	5	2x2 M4 REFLECTOR	$ 12.00	$ 60.00	$ 30.00	$ 60.00	$ 195.00	$ 30.00	$ 150.00
302	2	2L F32T8 25W DELAMP / REFLECTOR	6	6			6	F32T8 25W LAMP	$ 3.00	6	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 108.00	$ 163.80	$ 30.00	$ 180.00
303	2	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	W-WRAP M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 30.00	$ 30.00
304	2	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
305	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
306	2	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
307	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
308	2	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
309	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
310	2	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
311	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
312	2	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
313	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
314	2	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
315	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
316	2	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
317	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
318	2	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
319	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
320	2	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
321	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
322	2	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
323	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
324	2	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
325	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00

LN #	Fix #	Replacement Fixture Description	Repl Qty	qty /rpl	Fixture / Ballast	cost /fix	qty /rmp	Lamp / Source	cost /rmp	qty /rpl	Reflector / PowerPack	cost /ref	Ballast/Fix Cost Total	Lamp Cost Total	REFLECT Cost Total	Material Sell Total	Labor Cost	Labor Tot Cost
326	2	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
327	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
328	2	2L F32T8 25W RELAMP	16	16			32	F32T8 25W LAMP	$ 3.00	16		$ -	$ -	$ 96.00	$ -	$ 124.80	$ 12.00	$ 192.00
329	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
330	2	2L F32T8 25W RELAMP	21	21			42	F32T8 25W LAMP	$ 3.00	21		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
331	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
332	2	2L F32T8 25W RELAMP	21	21			42	F32T8 25W LAMP	$ 3.00	21		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
333	2	2L F32T8 25W RELAMP	5	5			10	F32T8 25W LAMP	$ 3.00	5		$ -	$ -	$ 30.00	$ -	$ 39.00	$ 12.00	$ 60.00
334	2	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
335	2	2L F32T8 25W RELAMP	18	18			36	F32T8 25W LAMP	$ 3.00	18		$ -	$ -	$ 108.00	$ -	$ 140.40	$ 12.00	$ 216.00
336	2	2L F32T8 25W RELAMP	21	21			42	F32T8 25W LAMP	$ 3.00	21		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
337	2	2L F32T8 25W DELAMP / REFLECTOR	9	9			18	F32T8 25W LAMP	$ 3.00	9	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 25.00	$ 225.00
338	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
339	2	2L F32T8 25W DELAMP / REFLECTOR	9	9			18	F32T8 25W LAMP	$ 3.00	9	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 25.00	$ 225.00
340	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
341	2	2L F32T8 25W DELAMP / REFLECTOR	9	9			18	F32T8 25W LAMP	$ 3.00	9	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 25.00	$ 225.00
342	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
343	2	2L F32T8 25W DELAMP / REFLECTOR	9	9			18	F32T8 25W LAMP	$ 3.00	9	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 25.00	$ 225.00
344	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
345	2	2L F32T8 25W DELAMP / REFLECTOR	9	9			18	F32T8 25W LAMP	$ 3.00	9	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 54.00	$ 162.00	$ 280.80	$ 25.00	$ 225.00
346	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
347	2	2L F32T8 25W RELAMP	23	23			46	F32T8 25W LAMP	$ 3.00	23		$ -	$ -	$ 138.00	$ -	$ 179.40	$ 12.00	$ 276.00
348	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
349	2	2L F32T8 25W RELAMP	16	16			32	F32T8 25W LAMP	$ 3.00	16		$ -	$ -	$ 96.00	$ -	$ 124.80	$ 12.00	$ 192.00
350	2	2L F17T8 17W RLRB / REFLECTOR	10	10	2L T8 EL-NBF BALLAST	$ 12.00	20	F17T8 17W LAMP	$ 3.00	10	2x2 M4 REFLECTOR	$ 12.00	$ 120.00	$ 60.00	$ 120.00	$ 390.00	$ 30.00	$ 300.00
351	2	2L F32T8 25W RELAMP	12	12			24	F32T8 25W LAMP	$ 3.00	12		$ -	$ -	$ 72.00	$ -	$ 93.60	$ 12.00	$ 144.00
352	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
353	2	2L F32T8 25W RELAMP	21	21			42	F32T8 25W LAMP	$ 3.00	21		$ -	$ -	$ 126.00	$ -	$ 163.80	$ 12.00	$ 252.00
354	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
355	2	2L F17T8 17W RLRB / REFLECTOR	9	9	2L T8 EL-NBF BALLAST	$ 12.00	18	F17T8 17W LAMP	$ 3.00	9	2x2 M4 REFLECTOR	$ 12.00	$ 108.00	$ 54.00	$ 108.00	$ 351.00	$ 30.00	$ 270.00
356	2	2L F17T8 17W RLRB / REFLECTOR	6	6	2L T8 EL-NBF BALLAST	$ 12.00	12	F17T8 17W LAMP	$ 3.00	6	2x2 M4 REFLECTOR	$ 12.00	$ 72.00	$ 36.00	$ 72.00	$ 234.00	$ 30.00	$ 180.00
357	2	2L F17T8 17W RLRB / REFLECTOR	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F17T8 17W LAMP	$ 3.00	2	2x2 M4 REFLECTOR	$ 12.00	$ 24.00	$ 12.00	$ 24.00	$ 78.00	$ 30.00	$ 60.00
358	2	2L F17T8 17W RLRB / REFLECTOR	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F17T8 17W LAMP	$ 3.00	2	2x2 M4 REFLECTOR	$ 12.00	$ 24.00	$ 12.00	$ 24.00	$ 78.00	$ 30.00	$ 60.00
359	2	2L F17T8 17W RLRB / REFLECTOR	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F17T8 17W LAMP	$ 3.00	2	2x2 M4 REFLECTOR	$ 12.00	$ 24.00	$ 12.00	$ 24.00	$ 78.00	$ 30.00	$ 60.00
360	2	2L F17T8 17W RLRB / REFLECTOR	3	3	2L T8 EL-NBF BALLAST	$ 12.00	6	F17T8 17W LAMP	$ 3.00	3	2x2 M4 REFLECTOR	$ 12.00	$ 36.00	$ 18.00	$ 36.00	$ 117.00	$ 30.00	$ 90.00
361	2	2L F17T8 17W RLRB / REFLECTOR	3	3	2L T8 EL-NBF BALLAST	$ 12.00	6	F17T8 17W LAMP	$ 3.00	3	2x2 M4 REFLECTOR	$ 12.00	$ 36.00	$ 18.00	$ 36.00	$ 117.00	$ 30.00	$ 90.00
362	2	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
363	2	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
364	2	2L F32T8 25W DELAMP / REFLECTOR	12	12			24	F32T8 25W LAMP	$ 3.00	12	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 72.00	$ 216.00	$ 374.40	$ 25.00	$ 300.00
365	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
366	2	2L F32T8 25W DELAMP / REFLECTOR	18	18			36	F32T8 25W LAMP	$ 3.00	18	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 108.00	$ 324.00	$ 561.60	$ 25.00	$ 450.00
367	2	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
368	2	2L F17T8 17W RLRB / REFLECTOR	1	1	2L T8 EL-NBF BALLAST	$ 12.00	2	F17T8 17W LAMP	$ 3.00	1	2x2 M4 REFLECTOR	$ 12.00	$ 12.00	$ 6.00	$ 12.00	$ 39.00	$ 30.00	$ 30.00
369	2	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
370	2	2L F32T8 25W DELAMP / REFLECTOR	21	21			42	F32T8 25W LAMP	$ 3.00	21	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 126.00	$ 378.00	$ 655.20	$ 25.00	$ 525.00
371	2	O/S CEILING	1	1			1	O/S CEILING	$ 95.00	1	O/S POWER PACK	$ 35.00	$ -	$ 95.00	$ 35.00	$ 169.00	$ 55.00	$ 55.00
372	2	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
373	2	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
374	2	2L F32T8 25W RELAMP	4	4			8	F32T8 25W LAMP	$ 3.00	4		$ -	$ -	$ 24.00	$ -	$ 31.20	$ 12.00	$ 48.00
375	2	O/S WALL	1	1			1	O/S WALL	$ 55.00	1		$ -	$ -	$ 55.00	$ -	$ 71.50	$ 35.00	$ 35.00
376	2	2L F32T8 25W DELAMP / REFLECTOR	3	3			6	F32T8 25W LAMP	$ 3.00	3	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 18.00	$ 54.00	$ 93.60	$ 25.00	$ 75.00
377	2	2L F32T8 25W RELAMP	1	1			2	F32T8 25W LAMP	$ 3.00	1		$ -	$ -	$ 6.00	$ -	$ 7.80	$ 12.00	$ 12.00
378	2	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
379	1	4L F32T8 25W RELAMP	20	20			20	F32T8 25W LAMP	$ 3.00	20		$ -	$ -	$ 60.00	$ -	$ 78.00	$ 12.00	$ 240.00
380	1	23W PAR38 CFL DIMM	131	131			131	23W PAR38 CFL DIM	$ 18.00	131		$ -	$ -	$ 2,358.00	$ -	$ 3,065.40	$ 10.00	$ 1,310.00
381	1	2L F17T8 17W RLRB / REFLECTOR	2	2	2L T8 EL-NBF BALLAST	$ 12.00	4	F17T8 17W LAMP	$ 3.00	2	2x2 M4 REFLECTOR	$ 12.00	$ 24.00	$ 12.00	$ 24.00	$ 78.00	$ 30.00	$ 60.00
382	1	2L F32T8 25W DELAMP / REFLECTOR	1	1			2	F32T8 25W LAMP	$ 3.00	1	2x4 M4 REFLECTOR	$ 18.00	$ -	$ 6.00	$ 18.00	$ 31.20	$ 25.00	$ 25.00
383	1	NO MEASURE	7	7			7			7		$ -	$ -	$ -	$ -	$ -		$ -
384	1	4L F32T8 25W RELAMP	42	42			168	F32T8 25W LAMP	$ 3.00	42		$ -	$ -	$ 504.00	$ -	$ 655.20	$ 12.00	$ 504.00
385	1	2L F32T8 25W RELAMP	10	10			20	F32T8 25W LAMP	$ 3.00	10		$ -	$ -	$ 60.00	$ -	$ 78.00	$ 12.00	$ 120.00
386	1	1L F32T8 25W RELAMP	68	68			68	F32T8 25W LAMP	$ 3.00	68		$ -	$ -	$ 204.00	$ -	$ 265.20	$ 12.00	$ 816.00
387	1	2L F17T8 17W RLRB / REFLECTOR	22	22	2L T8 EL-NBF BALLAST	$ 12.00	44	F17T8 17W LAMP	$ 3.00	22	2x2 M4 REFLECTOR	$ 12.00	$ 264.00	$ 132.00	$ 264.00	$ 858.00	$ 30.00	$ 660.00
388	1	15W PAR30 CFL	12	12			12	15W PAR30 CFL	$ 10.00	12		$ -	$ -	$ 120.00	$ -	$ 156.00	$ 10.00	$ 120.00
389	1	2L F32T8 25W RELAMP	3	3			6	F32T8 25W LAMP	$ 3.00	3		$ -	$ -	$ 18.00	$ -	$ 23.40	$ 12.00	$ 36.00
390	1	2L F17T8 17W RLRB / REFLECTOR	6	6	2L T8 EL-NBF BALLAST	$ 12.00	12	F17T8 17W LAMP	$ 3.00	6	2x2 M4 REFLECTOR	$ 12.00	$ 72.00	$ 36.00	$ 72.00	$ 234.00	$ 30.00	$ 180.00
391	1	2L F17T8 17W RLRB / REFLECTOR	5	5	2L T8 EL-NBF BALLAST	$ 12.00	10	F17T8 17W LAMP	$ 3.00	5	2x2 M4 REFLECTOR	$ 12.00	$ 60.00	$ 30.00	$ 60.00	$ 195.00	$ 30.00	$ 150.00
													$21,132.00	$23,609.00	##########	$ 89,784.50	Total	$ 58,429.00
															With Tax	$ 96,069.41	CONT	$ -
																	Equipment	$ -
																	Total Labor:	$ 75,957.70
																	Total project	$ 172,027.12

NEW JERSEY SMART START REBATE	$ 35,120.00

NORTHERN VALLEY REGIONAL HIGH SCHOOLS

Prepared by Dome-Tech, Inc.

ECM Summary

	Energy Conservation Measures (ECM)	Building	Energy Savings			Gross Installation Costs*	Avoided Costs	Rebates/ Incentives	Net Implementation Costs	Annual Energy Cost Savings*	Annual Operating Cost Savings*	Total Annual Cost Savings*	Simple Pay Back*	Internal Rate of Return (IRR)	Net Present Value (NPV)	Measure Life	Lifecycle Savings	CO2 Savings (Lbs)
			kWh	KW Demand	Therms													
1	Roof Top Unit Time of Day Installation	Admin Building	12,390	0	1,260	$1,080	$0	$0	$1,080	$5,620	$0	$5,620	0.2	520.4%	$59,044	15	$83,220	11
2	Reduce Ventilation Rate	Old Tappan	7,655	0	3,210	$1,490	$0	$0	$1,490	$6,020	$0	$6,020	0.2	404.0%	$62,926	15	$88,810	21
2	Reduce Ventilation Rate	Demarest	13,330	0	2,210	$1,490	$0	$0	$1,490	$5,470	$0	$5,470	0.3	367.1%	$57,046	15	$80,560	17
3	Install UV Trim Kit and BMS Time of Day Optimization	Demarest	16,640	0	4,060	$2,380	$0	$0	$2,380	$9,030	$0	$9,030	0.3	379.4%	$94,249	15	$133,070	29
4	Replace Dirty Filters	Demarest	1,040	0	0	$100	$0	$0	$100	$180	$0	$180	0.6	180.0%	$1,828	15	$2,600	0
5	Domestic Hot Water Temperature Optimization	Demarest	0	0	690	$540	$0	$0	$540	$950	$0	$950	0.6	175.9%	$9,637	15	$13,710	4
5	Domestic Hot Water Temperature Optimization	Old Tappan	0	0	485	$590	$0	$0	$590	$735	$0	$735	0.8	124.6%	$7,290	15	$10,435	3
6	Vending Machine Power Management System	Demarest	15,350	0	0	$2,290	$0	$0	$2,290	$2,205	$0	$2,205	1.0	96.3%	$21,371	15	$30,765	5
6	Vending Machine Power Management System	Old Tappan	11,770	0	0	$1,790	$0	$0	$1,790	$1,270	$0	$1,270	1.4	70.9%	$11,856	15	$17,260	4
7	Replace Loose Supply Fan Belts	Old Tappan	1,030	0	0	$180	$0	$0	$180	$160	$0	$160	1.1	84.8%	$512	5	$620	0
7	Replace/Tighten Loose Supply Fan Belts	Demarest	2,455	0.9	0	$180	$0	$0	$180	$440	$0	$440	0.4	243.9%	$1,710	5	$2,020	1
8	Replace Weatherstripping on Exterior Doors	Old Tappan	830	0	670	$1,800	$0	$0	$1,800	$1,140	$0	$1,140	1.6	56.6%	$3,149	5	$3,900	4
8	Replace Weatherstripping on Exterior Doors	Demarest	415	0	335	$1,800	$0	$0	$1,800	$540	$0	$540	3.3	15.2%	$581	5	$900	2
9	Lighting Upgrade	Demarest	487,270	110.0	0	$162,210	$0	$31,710	$130,500	$87,710	$0	$87,710	1.5	67.2%	$812,206	15	$1,185,150	161
9	Lighting Upgrade	Old Tappan	450,040	101	0	$172,030	$0	$35,120	$136,910	$74,710	$0	$74,710	1.8	54.5%	$667,062	15	$983,740	149
9	Lighting Upgrade	Admin Building	13,030	2.9	0	$4,760	$0	$175	$4,585	$2,320	$0	$2,320	2.0	50.5%	$20,394	15	$30,215	4
10	Insulate Split-Unit Refrigerant Piping on Roof	Demarest	1,450	0.2	0	$520	$0	$0	$520	$260	$0	$260	2.0	49.9%	$2,280	15	$3,380	0
10	Insulate Split-Unit Refrigerant Piping on Roof	Old Tappan	1,450	0	0	$520	$0	$0	$520	$220	$0	$220	2.4	42.1%	$1,852	15	$2,780	0
11	Boiler Controls (BMS) Upgrade	Demarest	0	0	18,700	$130,795	$0	$0	$130,795	$26,020	$0	$26,020	5.0	18.3%	$152,409	15	$259,505	109
12	Optimize/Rebablance Hot Water Pump Discharge Valve	Old Tappan	2,950	0	0	$3,590	$0	$0	$3,590	$445	$0	$445	8.1	10.8%	$2,363	20	$5,310	1
13	Heating HW Pumps _time of Day Optimization	Demarest	4,750	0	0	$8,790	$0	$0	$8,790	$855	$0	$855	10.3	7.4%	$2,716	20	$8,303	2
14	Hot Water Temperature Reset	Admin Building	0	0	70	$1,370	$0	$0	$1,370	$110	$0	$110	12.5	2.4%	-$141	15	$280	0
15	Demand Control Ventilation	Old Tappan	7,200	0	880	$27,190	$0	$0	$27,190	$2,420	$0	$2,420	11.2	3.9%	-$273	15	$9,110	8
15	Demand Control Ventilation	Demarest	9,240	0	805	$39,090	$0	$0	$39,090	$2,780	$0	$2,780	14.1	0.8%	-$7,866	15	$2,610	8
16	Premium Efficiency Motors	Old Tappan	1,550	0	0	$4,690	$4,020	$410	$260	$230	$0	$230	1.1	88.5%	$2,550	18	$3,880	1
16	Premium Efficiency Motors	Demarest	1,100	0	0	$6,860	$6,570	$160	$130	$200	$0	$200	0.6	153.8%	$2,309	18	$3,470	0
17	Replace aging split units with new higher efficiency units	Old Tappan	2,580	0	0	$10,395	$9,000	$570	$830	$390	$0	$390	2.1	46.8%	$3,371	15	$5,020	1
18	Replace Aging Unit Ventilators	Demarest	0	0	1,570	$203,810	$0	$0	$203,810	$2,180	$0	$2,180	93.5	-17.3%	-$172,665	15	-$171,110	9
18	Replace Aging Unit Ventilators	Old Tappan	0	0	4,190	$474,170	$0	$0	$474,170	$6,350	$0	$6,350	74.7	-15.5%	-$388,046	15	-$378,920	25
19	Replace aging Rooftop AC Units with higher efficiency units	Demarest	2,530	5.5	0	$109,120	$105,000	$1,780	$2,620	$460	$0	$460	5.7	15.5%	$2,399	15	$4,280	1
21	Replace Aging Water-Cooled Condensers	Demarest	0	0.0	0	$11,360	$0	$0	$11,360	$0	$4,620	$4,620	2.5	40.4%	$38,468	15	$57,940	0
Totals		All Schools	1,068,045	220.5	39,135	$1,386,980	$124,590	$69,925	$1,192,750	$241,420	$4,620	$246,040	4.8	19.1%	$1,483,475	14.2	$ 461,070	581.6

Notes:

1. KW - Where Zero (0) values are shown in the table there is no demand reduction for this measure.
2. Rebates- Where Zero (0) values are shown in the table we could not find any rebates of other financial incentives that are currently available for this measure.

Prepared by Dome-Tech, Inc.

ADMIN BUILDING

ECM#1 – Roof top unit Time of Day Installation

Estimated Implementation Cost

RTU Time of Day Optimization

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	BMS Programming	hrs	8	0	-	135	1,080	1,080
	TOTAL							**$ 1,080**

Estimated Savings

RTU Time of Day Schedule Optimization

UTILITY PRICES

1. Price of Electricity, $/kWh (blended rate)	$0.18
2. Price of Natural Gas, $/therm	$1.56

BMS TOD Schedule Operation Reduction	**Existing Condition**	**Proposed System**	**Annual Savings**
Number of RTUs	4	4	
BMS Operating Schedule	Continous to meet setpoint	6:30AM-4:30PM	
Operating Hours	6,188	2,600	3588 hrs
Annual Fan Energy Usage, kWH	17,657	9,496	8,161
Annual Conditioning Cost, Btu	144,889	77,923	66,965
Annual Fan Cost, $	$3,149	$1,694	$1,455
Annual Cooling Load (kWh)	26,799	14,413	**12,386**
Annual Heating Load (therms)	2,717	1,461	**1,256**
Annual Conditioning Cost, $	$9,015	$4,849	$4,167
Total Cost and Savings, $	$12,164	$6,542	**$5,622**

1. Assumed each RTU operates 17 hrs a day based on existing 24/7 continuous operation until setpoint is satisfied.
2. Lennox GCS16-060 cfm was approximated based on unit tonnage and motor hp due to not available data.
3. No rebates or other finanical incentives were available for this measure
4. See Sample Calculations Below

Existing Load Factor	0.71
Proposed Load Factor	0.38

Total TOD Savings	$ 5,622

Time of Day Schedule Savings

TOD SAVINGS

UNIT MN	**GCS16-060**	**TGA090**	**GCS16-060**	**GCS16-060**
Current Mon thru Fri Occ. Schedule	Cont.	Cont.	Cont.	Cont.
Current Mon thru Fri Occ. Hours (Hours per day)	17.0	17.0	17.0	17.0
Current Saturday Hours Occupied	0	0	0	0
Current Sunday Hours Occupied	0	0	0	0
Current Hours Occupied Per Year	6,188	6,188	6,188	6,188
Revised Mon thru Fri Occ.Schedule w/ holidays	06:30-16:30	06:30-16:30	06:30-16:30	06:30-16:30
Revised Mon thru Fri Occ. Hours (Hours per day)	10.0	10.0	10.0	10.0
Revised Saturday Hours Occupied	0	0	0	0
Revised Sunday Hours Occupied	0	0	0	0
Revised Hours Occupied Per Year	2,600	2,600	2,600	2,600
Scheduled Hours Saved per Year	3,588	3,588	3,588	3,588
Unoccupied Run Time (maintain set backs)	728	728	728	728
Actual Hours Saved per Year	2,860	2,860	2,860	2,860
Supply Fan HP	0.75	2	0.75	0.75
Return Fan HP	0	0	0	0
Supply Fan KW	0.56	1.49	0.56	0.56
Return Fan KW	0.00	0.00	0.00	0.00
Supply Fan Motor Load Factor	0.90	0.90	0.90	0.90
Return Fan Motor Load Factor	0.90	0.90	0.90	0.90
Fan Savings	$ 256.83	$ 684.88	$ 256.83	$ 256.83
CFM of Unit	*1,500*	3,000	*1,500*	*1,500*
VFD Load Factor	1.00	1.00	1.00	1.00
Cost per CFM	$1.70	$1.70	$1.70	$1.70
Conditioning Savings	$ 833.36	$ 1,666.73	$ 833.36	$ 833.36
Total Savings	$ 1,090.19	$ 2,351.61	$ 1,090.19	$ 1,090.19
TOD FACTOR	1	1	1	1

Prepared by Dome-Tech, Inc.

ADMIN BUILDING

ECM#14 – Heating Hot water Temperature Reset

Estimated Implementation Cost

Hot Water Reset Schedule

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Programming & Controls	hrs	8	0	-	135	1,080	1,080
	Other Estimated Implementation Costs							286
	TOTAL							**$ 1,366**

Estimated Savings

Heating Hot Water Temperature Reset

UTILITY PRICES

1. Price of Electricity, $/kWh (blended rate)	$0.178
2. Price of Natural Gas, $/therm	$1.559

	Existing Condition	Proposed System	Savings
HHW Supply Setpoint at 0AT = 0 degrees, degrees F	**180**	180	
HHW Supply Setpoint at 0AT = 40 degrees, degrees F	180	**160**	
Annual Btu losses	26,764,540	19,458,360	**7,306,180**
Annual savings (therms)			**73**
Annual Cost and Savings, $	$ 417	$ 303	**$ 114**

1. Assumes HHW distribution is primarily made up of 2" piping.
2. Assumes 1" cellular glass fiber insulation with AP-T casing
3 Assumes 75 degree ambient temperature
4. No rebates or other finanical incentives were available for this measure

Current Operation with HWS Temp of 180 deg F
Piping #1*

OA Temp	HWS Tem	Size in	Length ft	Radiant Losses	Bin Hours	BTU's
0	180	2	200	20.9	3	12540
5	180	2	200	20.9	9	37620
10	180	2	200	20.9	22	91960
15	180	2	200	20.9	57	238260
20	180	2	200	20.9	133	555940
25	180	2	200	20.9	229	957220
30	180	2	200	20.9	340	1421200
35	180	2	200	20.9	546	2282280
40	180	2	200	20.9	705	2946900
45	180	2	200	20.9	756	3160080
50	180	2	200	20.9	708	2959440
55	180	2	200	20.9	736	3076480
60	180	2	200	20.9	671	2804780
65	180	2	200	20.9	735	3072300
70	180	2	200	20.9	753	3147540
75	180	2	200	20.9	858	0
80	180	2	200	20.9	692	0
85	180	2	200	20.9	452	0
90	180	2	200	20.9	237	0
95	180	2	200	20.9	93	0
100	180	2	200	20.9	23	0
105	180	2	200	20.9	2	0
					Total BTU's	26764540

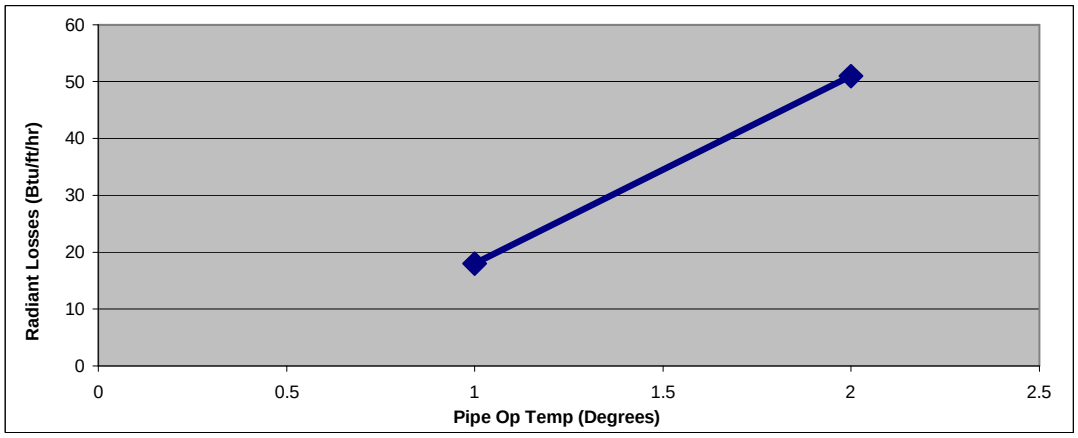
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ADMIN BUILDING

Proposed Operation with OA temperature setback schedule

Piping #1*

OA Temp	HWS Tem	Size in	Length ft	Radiant Losses	Bin Hours	BTU's
0	180	2	200	20.9	3	12540
5	177.5	2	200	20.325	9	36585
10	175	2	200	19.75	22	86900
15	172.5	2	200	19.175	57	218595
20	170	2	200	18.6	133	494760
25	167.5	2	200	18.025	229	825545
30	165	2	200	17.45	340	1186600
35	162.5	2	200	16.875	546	1842750
40	160	2	200	16.3	705	2298300
45	157.5	2	200	15.725	756	2377620
50	155	2	200	15.15	708	2145240
55	152.5	2	200	14.575	736	2145440
60	150	2	200	14	671	1878800
65	147.5	2	200	13.425	735	1973475
70	145	2	200	12.85	753	1935210
75	142.5	2	200	12.275	858	0
80	140	2	200	11.7	692	0
85	137.5	2	200	11.125	452	0
90	135	2	200	10.55	237	0
95	132.5	2	200	9.975	93	0
100	130	2	200	9.4	23	0
105	127.5	2	200	8.825	2	0
0	0	0	0	0	Total BTU's	19458360



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DEMAREST HIGH SCHOOL

ECM#2 – Reduce Ventilation Rate

Estimated Implementation Cost

Reduce Ventilation Rate								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Programming & Controls	hrs	8	0	-	135	1,080	1,080
	Other Estimated Implementation Costs							410
	TOTAL							**$ 1,490**

Estimated Savings

Reduce Ventilation Rate - RTU Outside Air Damper Position to 20%

3. Price of Electricity, $/kWh (blended rate)	$0.180
5. Price of Natural Gas, $/therm	$1.391

	Existing Condition	Proposed System	Savings
Number of Units with Excessive OAD Position	5	0	
Average OAD Position	62%	20%	
Average $/CFM	$3.16	$1.62	$1.54
Annual Heating and Cooling Load (BTU)	299,063	76,097	222,966
Annual Cooling Load (kWh)	31,016	17,686	13,330
Annual Heating Load (Therms)	3,999	1,793	2,206
Annual Cost and Savings, $	$ 11,145	$ 5,677	**$ 5,468**

1. Outside Air Damper Position (OAD) approximated by visual inspection at each unit.
2. Run hours based on bin data and time of day factor.
3.There is no demand reduction for this measure
4. No rebates or other finanical incentives were available for this measure
5. See Sample Calculation Below

Unit Tag	Unit Description	OAD Position	New OAD Pos.	Current $/CFM	20% OA $/CFM	$/CFM Savings	$ Savings
AC1	16 Ton Aaon	30%	20%	$1.99	$1.62	$0.37	$279
AC6	13 Ton Aaon	80%	20%	$3.82	$1.62	$2.19	$1,849
AC13	5 Ton Aaon	50%	20%	$2.72	$1.62	$1.10	$573
AC9	6 Ton Aaon	100%	20%	$4.55	$1.62	$2.92	$2,027
AC7	7 Ton Aaon	50%	20%	$2.72	$1.62	$1.10	$741
						Total	$5,468

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DEMAREST HIGH SCHOOL

ECM#3 – Install UV Trim Kit & BMS Time of Day Optimization

Estimated Implementation Cost

Unit Ventilator Trim Kits and Time of Day Optimization								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	BMS/Controller Programming	hrs	16	0	-	135	2,160	2,160
2	Trim Kits	ea	14	0	-	-	-	-
	Other Estimated Implementation Costs							216
	TOTAL							**$ 2,376**

Estimated Savings

Installation of UV Trim Kit and BMS Schedule Reduction			
UTILITY PRICES			
1. Price of Electricity, $/kWh (blended rate)			$0.180
2. Price of Natural Gas, $/therm			$1.39
UV Trim Kit Savings	**Existing Condition**	**Proposed System**	**Annual Savings**
Number of Units with Excessive OA Infiltration	14	0	
Approximate OA Infiltration	50%	20%	
Average $/CFM	$0.807	$0.482	
Annual Cooling Load (kWh)	33,717	26,274	**7,443**
Annual Heating Load (therms)	5,795	2,663	**3,132**
Annual Cost and Savings, $	**$14,130**	**$8,434**	**$5,696**
BMS TOD Schedule Operation Reduction	**Existing Condition**	**Proposed System**	**Annual Savings**
Number of Uvs	14	14	
BMS Operating Schedule	4:30AM-6PM	6:30AM-4:30PM	
Operating Hours	3,510	2,600	910 hrs
Annual Fan Energy Usage, kWH	8,248	6,110	2,138
Annual Cooling Load (kWh)	35,470	26,274	9,196
Annual Heating Load (Therms)	3,596	2,663	932
Annual Fan Cost, $	$1,485	$1,100	$385
Annual Conditioning Cost, $	**$11,386**	**$8,434**	**$2,952**
UV Trim Kit and BMS Schedule Reduction TOTAL SAVINGS			
Total Annual Cost and Savings, $	**$27,001**	**$17,968**	**$9,033**

1. Proposed BMS operating hours model school day hours (7:40AM - 2:40 PM)
2. Assumes conditioning cost/cfm based on bin hours calculation using 50% OA for UVs without Trim Kit and 20% OA with trim kit.
3. Run hours based on BMS schedule.
4. Total savings from BMS schedule reduction based on prior installation of UV Trim Kit.
5. See Sample Calculations Below
6.There is no demand reduction for this measure
7. No rebates or other finanical incentives were available for this measure

Existing Load Factor	0.40
Proposed Load Factor	0.30

Total TOD Savings	$ 3,337

DEMAREST HIGH SCHOOL

Prepared by Dome-Tech, Inc.

TOD SAVINGS	UV H113	UV H114	UV H115	UV H116	UV H202	UV H203
Current Mon thru Fri Occ. Schedule	04:30-18:00	04:30-18:00	04:30-18:00	04:30-18:00	04:30-18:00	04:30-18:00
Current Mon thru Fri Occ. Hours (Hours per day)	13.5	13.5	13.5	13.5	13.5	13.5
Current Hours Occupied Per Year	3510	3510	3510	3510	3510	3510
Revised Mon thru Fri Occ. Hours (Hours per day)	10	10	10	10	10	10
Revised Saturday Hours Occupied	0	0	0	0	0	0
Revised Sunday Hours Occupied	0	0	0	0	0	0
Revised Hours Occupied Per Year	2600	2600	2600	2600	2600	2600
Scheduled Hours Saved per Year	910	910	910	910	910	910
Unoccupied Run Time (maintain set backs)	0	0	0	0	0	0
Actual Hours Saved per Year	910	910	910	910	910	910
Supply Fan HP	0.25	0.25	0.25	0.25	0.25	0.25
Return Fan HP	0	0	0	0	0	0
Supply Fan KW	0.1865	0.1865	0.1865	0.1865	0.1865	0.1865
Return Fan KW	0	0	0	0	0	0
Supply Fan Motor Load Factor	0.9	0.9	0.9	0.9	0.9	0.9
Return Fan Motor Load Factor	0.9	0.9	0.9	0.9	0.9	0.9
Fan Savings	$ 27	$ 27	$ 27	$ 27	$ 27	$ 27
CFM of Unit	1250	1250	1250	1250	1250	1250
VFD Load Factor	1	1	1	1	1	1
Cost per CFM	$ 1.62	$ 1.62	$ 1.62	$ 1.62	$ 1.62	$ 1.62
Conditioning Savings	$ 211	$ 211	$ 211	$ 211	$ 211	$ 211
Total Savings	$ 238	$ 238	$ 238	$ 238	$ 238	$ 238
TOD FACTOR	1	1	1	1	1	1

TOD SAVINGS	UV H204	UV H205	UV J104	UV J105	UV J106	UV J209	UV J210	UV J211
Current Mon thru Fri Occ. Schedule	04:30-18:00	04:30-18:00	04:30-18:00	04:30-18:00	04:30-18:00	04:30-18:00	04:30-18:00	04:30-18:00
Current Mon thru Fri Occ. Hours (Hours per day)	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
Current Hours Occupied Per Year	3510	3510	3510	3510	3510	3510	3510	3510
Revised Mon thru Fri Occ. Hours (Hours per day)	10	10	10	10	10	10	10	10
Revised Saturday Hours Occupied	0	0	0	0	0	0	0	0
Revised Sunday Hours Occupied	0	0	0	0	0	0	0	0
Revised Hours Occupied Per Year	2600	2600	2600	2600	2600	2600	2600	2600
Scheduled Hours Saved per Year	910	910	910	910	910	910	910	910
Unoccupied Run Time (maintain set backs)	0	0	0	0	0	0	0	0
Actual Hours Saved per Year	910	910	910	910	910	910	910	910
Supply Fan HP	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Return Fan HP	0	0	0	0	0	0	0	0
Supply Fan KW	0.1865	0.1865	0.1865	0.1865	0.1865	0.1865	0.1865	0.1865
Return Fan KW	0	0	0	0	0	0	0	0
Supply Fan Motor Load Factor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Return Fan Motor Load Factor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Fan Savings	$ 27	$ 27	$ 27	$ 27	$ 27	$ 27	$ 27	$ 27
CFM of Unit	1250	1250	1250	1250	1250	1250	1250	1250
VFD Load Factor	1	1	1	1	1	1	1	1
Cost per CFM	$ 1.62	$ 1.62	$ 1.62	$ 1.62	$ 1.62	$ 1.62	$ 1.62	$ 1.62
Conditioning Savings	$ 211	$ 211	$ 211	$ 211	$ 211	$ 211	$ 211	$ 211
Total Savings	$ 238	$ 238	$ 238	$ 238	$ 238	$ 238	$ 238	$ 238
TOD FACTOR	1	1	1	1	1	1	1	1

UV SAVINGS CALCULATIONS

Unit Tag	# Units	OAD Position	New OAD Pos.	Current $/CFM	20% OA $/CFM	$/CFM Savings	Unit Rated CFM	TOD Load Factor	$ Savings
UV	14	50%	20%	$ 2.720	$ 1.624	$ 1.097	1250	0.30	$ 5,696

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#4 – Replace Dirty Filters

Estimated Implementation Cost & Estimated Savings

Replace Dirty Filters	
1. Price of Electricity, $/kWh (blended rate)	0.18
2. Price of Natural Gas, $/therm	1.391

Calculations	
Average CFM per RTU	2348
Number of RTUs	5
Annual cost per cfm	$1.62
Total Estimated RTU Supply Fan Energy Usage (Dirty Filter)	21,724 kWh
Total Estimated RTU Supply Fan Cost (Dirty Filter)	$3,900
Total Estimated RTU Supply Fan Energy Usage (Clean Filter)	20,681 kWh
Total Estimated RTU Supply Fan Cost (Clean Filter)	$3,723
Estimated Annual Savings	1,042 kWh
Estimated Annual Savings	$177
Number of RTUs	5
Annual Average Savings per Unit	$35
Net Cost of Implementation	$100
Payback	0.6 years

Notes:

Assuming the pressure drop across the dirty filter is 0.20" water gauge.

Assuming the unit runs at this dirty filter condition yearly.

Assumes each RTU operates 8 hours/day, 5 days/week, 52 weeks/year.

There is no demand reduction for this measure

No rebates or other finanical incentives were available for this measure

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#5 – Domestic Hot Water Temperature Optimization
Estimated Implementation Cost

Reduce Domestic Hot Water Supply Setpoint

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Controls/BMS Programming	hrs	4	0	-	135	540	540
	TOTAL							**$ 540**

Estimated Savings

DOMESTIC HOT WATER TEMPERATURE OPTIMIZATION

3. Price of Electricity, $/kWh (blended rate)	$0.180
5. Price of Natural Gas, $/therm	$1.391

	Existing Condition	Proposed System	Savings
Annual Domestic Water Usage for Sinks, gal	940,800	940,800	
Percentage of Hot Water per Sink Usage	50%	50%	
Annual Hot Water Usage for Sinks, gal	470,400	470,400	
Annual DWH Natural Gas Usage (kBTU)	387,100	318,500	68,600
Annual DWH Natural Gas Usage (therms)	3,871	3,185	686
Annual Cost and Savings, $	$5,385	$4,430	**$ 954**

1. Annual domestic water usage was approximated by occupant number, building operation of 5 days/week, 42 weeks/year.
2. Assuming a DWH efficiency of 80%.
3. Assume incoming city water temperature is 55F. Temperature gauge on heater shows 130F supply temperature.
4. Assuming thermometer on DWH is calibrated.
5. See Sample Calculation Below

DWH 1

200	Gallon Capacity
80%	Existing DWH Efficiency
135	Existing Temp Setpoint
120	Recommended Setpoint
5	# Days per week
42	# Weeks/year
1280	# Occupants
80%	% of occupants DWH serves
1	Approximate sink usage per day (min)
3.5	Approximate faucet gal/min
752,640	Approximate Annual Domestic Water Usage for Sinks (Gal)
50%	Approximate Percentage of Hot Water per Sink Usage
376,320	Annual Hot Water Usage for Sinks (Gal)
3,136	Existing Gas Usage (therms)
$4,362	Approximate Annual Cost ($)
2,548	Gas Usage with Setpoint Reduction (therms)
$3,544	Approximate Proposed Cost ($)
588	Therms Savings
$818	Cost Savings

Nat Gas	Existing	Proposed
kBTU	313,600	254,800
Therms	3,136	2,548

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

DWH 2

400	Gallon Capacity
80%	Existing DWH Efficiency
130	Existing Temp Setpoint
120	Recommended Setpoint
5	# Days per week
42	# Weeks/year
1280	# Occupants
20%	% of occupants DWH serves
1	Approximate sink usage per day (min)
3.5	Approximate faucet gal/min
188,160	Approximate Annual Domestic Water Usage for Sinks (Gal)
50%	Approximate Percentage of Hot Water per Sink Usage
94,080	Annual Hot Water Usage for Sinks (Gal)
735	Existing Gas Usage (therms)
$1,022	Approximate Annual Cost ($)
637	Gas Usage with Setpoint Reduction (therms)
$886	Approximate Proposed Cost ($)
98	Therms Savings
$136	Cost Savings

Nat Gas	Existing	Proposed
kBTU	73,500	63,700
Therms	735	637

6.There is no demand reduction for this measure

7. No rebates or other finanical incentives were available for this measure

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#6 – Vending Machine Power Management System

Estimated Implementation Cost

Vendingmisers								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Vendmiser Controls	ea	10	179	1,790	50	500	2,290
	TOTAL							**$ 2,290**

Estimated Savings

VENDING MACHINE POWER MANAGEMENT SYSTEM						
UTILITY PRICES						
3. Price of Electricity, $/kWh (blended rate)	**$0.180**					
5. Price of Natural Gas, $/therm	**$1.391**					
	Existing Condition	**Proposed System**	**Savings**	**Annual Savings**	**Vending Miser Cost**	**Simple Payback**
Soda Machine Power Consumption	100%	54%	**-**	**-**	-	-
Annual Op Cost	$4,793	$2,588	**-**	**-**	-	-
Run Hours	8,760	8,760	**-**	**-**	-	-
Annual Energy Consumption (kWh)	26,630	11,283	15,348	**-**	-	-
Annual Cost and Savings, $	$4,793	$2,588	**$2,205**	**$2,205**	**$1,790**	**0.81**

1. Run hours based on fan motors being run 8760 hrs
2. Sample Calculations Below

Vending Machine Count	7
Annual Run-Time Factor	100%
VendMiser Installation Savings	
Soda Machine Power Consumption, kw	0.40
Annual Savings %	46%
Annual Energy Savings	$2,205

3. Coincidence Factor for peak kW reduction taken from Maryland Public Utility Commision: Appendix A Measure Analysis Spreadsheet
3. No rebates or other finanical incentives were available for this measure
4. Coincidence Factor for peak kW reduction taken from Maryland Public Utility Commision: Appendix A Measure Analysis Spreadsheet

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#7 – Replace Loose Supply Fan Belts

Estimated Implementation Cost

Replace Fan Belts								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Fan Belts	ea	3	10	30	50	150	180
	TOTAL							**$ 180**

Estimated Savings

Replace Loose Supply Fan Belts	
1. Price of Electricity, $/kWh (blended rate)	0.180
2. Price of Natural Gas, $/therm	1.391

Calculations	
Number of RTUs with loose belts	8
Total RTU Supply Fan Motor Horsepower	26
Approximate Supply Fan Energy Usage with Loose Belt	49,095 kWh
Supply Fan Energy Usage with New Belt	46,640 kWh
Peak Demand Reduction (Supply Fan Loose Belt) kW	0.9
Supply Fan Loose Belt Energy Loss	2,455 kWh
Savings ($)	$442
Net Cost of Implementation	$80
Payback	0.2 years

Notes:

1. Assuming a motor efficiency loss of 5% on each loose belt.
2. Assuming the unit runs at this loose belt position yearly.
3. Assumes each RTU operates 8 hours/day, 5 days/week, 52 weeks/year.

4. No rebates or other finanical incentives were available for this measure

Demand Coincidence Factor: Table 10

6. See Sample Calculation Below

Unit Tag	Supply Mtr HP	Mtr Eff.
AC1	5	88%
AC2	5	88%
AC6	3	87%
AC7	3	87%
AC8	3	87%
AC9	3	87%
AC10	2	86%

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#8 – Replace Weatherstripping on Exterior Doors

Estimated Implementation Cost

Replace Weatherstripping

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Weather Stripping	ea	6	200	1,200	100	600	1,800
	TOTAL							**$ 1,800**

Estimated Savings

REPLACE WEATHERSTRIPPING

1. Price of Electricity, $/kWh (blended rate)	$0.180
2. Price of Natural Gas, $/therm	$1.391

	Existing Condition	Proposed System	Savings
# of Door Seals	3	3	
Estimated Infiltration Rate per Door, CFM	59	12	
Annual Cooling Infiltration Hours, OAT > 80F	807	807	
Annual Heating Infiltration Hours, OAT < 55F	4,244	4,244	
Annual Cooling Load, kBTU	4,629	800	3,829
Annual Cooling Electrical Consumption, kWh	501	87	415
Annual Heating Load, kBTU	33,415	6,632	26,783
Annual Heating Natural Gas Consumption, therms	417.69	82.90	335
Annual Cost and Savings, $	$ 671	$ 131	**$ 540**

1. Infiltration rate was calculated according to ASHRAE Fundamentals 2005 Door Leakage Rate Equation F27.12
2. Estimated hours of infiltration was based on all hours below 55F and above 80F for the region.
3. It is assumed that each door has a leakage area of 30 square inches (10 linear feet by 1/4 in). Vestibule doors are not included.
4. A 60% load factor was used when calculating the existing leakage rate.
5. Assume all AHUs have an supply air temperature of 55F in the summer and 80F in the winter.
6. The average outside air temperature above 80F during the year is 85F. The average outside air temperature below 55F is 39F.
7. Assume the cooling plant has an efficiency of 1.3 kw/ton and the natural gas fired heating units have an efficiency of 80%.
8. New weatherstripping is assumed to reduce inflitration by 80%.
9. There is no demand reduction for this measure
10. No rebates or other finanical incentives were available for this measure

Please see Lighting Inventory for ECM#9 – Lighting Upgrade summary

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#10 – Insulate Split-Unit Refrigerant Piping on Roof

Estimated Implementation Cost

Insulate Refrigeration Piping

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Foam Insulation	lf	10	2	20	50	500	520
	TOTAL							**$ 520**

Estimated Savings

Insulate Split-Unit Refrigerant Liquid Line Piping

1. Price of Electricity, $/kWh (blended rate) $0.180
2. Price of Natural Gas, $/therm $1.391

	Existing Condition	Proposed System	Savings	Implementation Cost	Simple Payback
Feet of Insulation missing/unit	6	0			
Total Number of Units	14	14			
Total Feet of Insulation Missing	84	0			
Total Tons	70	70			
Average SEER	12.5	13.0			
Annual Run Hours	561	561			
Annual Peak Demand Reduction (kW)	6.2	6.0	0.24		
Annual kWh	37,712	36,262	1,450		
Annual Cost and Savings, $	$ 6,788	$ 6,527	**$ 261**	$126	0.5

1. Run hours based on bin data and time of day factor.
2. 1/2 SEER reduction assumed from the uninsulated piping due a drop in refrigerant temperature and pressure.
3. Assumed 5 Ton RTU thorughout building
4. See Sample Calculations below

Tag	Tons	Run Hrs	Standard SEER Btu / Wh	Hi Eff SEER Btu / Wh	kWh Saved	Annual Savings	Incremental Cost
XB13	14	5	561.2	37712.0	36262	$ 261	$ 1,400
Total	**14**				**36262**	**$ 261**	**$ 1,400**

5. Coincidence Factor for peak kW reduction taken from United Illuminated Company:
6.. ASHRAE 90.1-1989 Referenced for baseline SEER/EER

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#11 – Boiler Controls (BMS) Upgrade

Estimated Implementation Cost

Boiler Controls Package								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Boiler Controls Upgrade	ls	1	0	-	-	-	86,000
	Other Estimated Implementation Costs							44,795
	TOTAL							**$ 130,795**

Estimated Savings

BMS Boiler Operating Schedule based on OAT

UTILITY PRICES

3. Price of Electricity, $/kWh (blended rate)	$0.180
5. Price of Natural Gas, $/therm	$1.39

	LOCATION	Tag #	SERVICES	Boiler Qty	HP	Approx. Boiler Eff	Total Boiler AVG HRS	Natural Gas CONSUMPTION (Therms)	$ Cost
Existing	**Boiler Room**	**Boiler 1&2**	**Steam Heating System**	**2**	**200**	**0.8**	**929**	155,439	$216,216
Proposed	**Boiler Room**	**Boiler 1&2**	**Steam Heating System**	**2**	**200**	**0.8**	**817**	136,735	$190,198
						TOTAL SAVINGS		18,704 Therms	**$26,017**

1. Existing run hours based on current 24/7 operation during temperatures below 34F and heating season BIN hours.
2. Proposed run hours based on reduced operating hours by automating the boilers schedule based off existing operating hours/operation.
3.There is no demand reduction for this measure
4. No rebates or other finanical incentives were available for this measure
5. See Sample Calcution Below

Existing Boiler Cost
$ 216,216
Total Yearly NG Cost from Entire School
$ 247,607
% Boiler NG Usage
87%

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#13 – Heating HW Pumps – Time of Day Optimization

Estimated Implementation Cost

Hot Water Pump Start/Stop Optimization

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Electrical & Controls	ls	1	2,000	2,000	2,160	2,160	4,160
2	Programming	hrs	16			135	2,160	2,160
	Other Estimated Implementation Costs							2,474
	TOTAL							**$ 8,794**

Estimated Savings

Heating Hot water Pumps - Time of Day - BMS Stop/Start Schedule, based on OAT

UTILITY PRICES

3. Price of Electricity, $/kWh (blended rate) $0.180

5. Price of Natural Gas, $/therm $1.39

	LOCATION	Tag #	SERVICES	Pump Qty	HP	Mtr Eff	AVG HRS	Load Factor	ELECTRIC CONSUMPTION (kWh)	$ Cost
Existing	Boiler Room	HW Pump	HW Heating System	2	7.5	0.885	1919	0.8	19,413	$3,494
Proposed	Boiler Room	HW Pump	HW Heating System	2	7.5	0.885	1450	0.8	14,665	$2,640
							TOTAL SAVINGS		4,748	$855

1. Existing run hours approximated based on current operating schedule.

2. Proposed run hours are modeled from operation based on OAT (pump only turns on above 40F if demand is present).

3.There is no demand reduction for this measure

4. No rebates or other finanical incentives were available for this measure

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#15 – Demand Control Ventilation

Estimated Implementation Cost

Demand Control Ventilation								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	CO2 Sensors	ea	5	250	1,250	135	675	1,925
2	Programming & Controls	hrs	32		-	135	4,320	4,320
3	Sensor Installation	hrs	40		-	100	4,000	4,000
4	RA / OA Dampers/Actuators	ea	5	1,000	5,000	750	3,750	8,750
5	Electric Work	ea	5	400	2,000	500	2,500	4,500
6			1		-		-	-
	Other Estimated Implementation Costs							15,595
	TOTAL							**$ 39,090**

Estimated Savings

Demand Control Ventilation

UTILITY PRICES

3. Price of Electricity, $/kWh (blended rate)	**$0.180**
5. Price of Natural Gas, $/therm	**$1.39**

	Existing Condition	Proposed System	Annual Savings
Htg/Clg RTUs Total CFM	19,960	19,960	
Clg RTUs Total CFM	22,384	22,384	
Htg/Clg RTUs Cost Per CFM	$1.624	$1.075	
Clg RTUs Cost Per CFM	$0.911	$0.782	
Annual Cooling Load (kWh)	215,745	206,500	**9,245**
Annual Heating Load (Therms)	10,035	9,230	**805**
Annual Cost and Savings, $	$8,998	$6,215	**$2,783**

1. Assumes conditioning cost per cfm based on bin hours calculation using 20% OA for current operating schedule.

2 Assumes conditioning cost per cfm based on bin hours calculation using 5% OA for DCV operating schedule.

3. Run hours based on bin data and time of day factor.

	Current Operation	Proposed DCV Operation
Htg/Clg RTU Cost Per CFM	$ 1.624	$ 1.075
Annual Htg/Clg Hours	6,414	4,915
Htg/Clg RTU Load Factor	0.237	0.237
Clg RTU Cost Per CFM	$ 0.911	$ 0.782

Unit	Serves	Total CFM	Current $/CFM1	Sch V $/CFM2	Estimated Savings
Lennox	Media Center&Computer Lab	8000	$ 1.624	$ 1.075	$ 1,042
3 Trane	Auditorium	20384	$ 0.911	$ 0.782	$ 168
2 McQauy	New Gym	10200	$ 1.624	$ 1.075	$ 1,328
Trane	Weight Rm	2000	$ 0.911	$ 0.782	$ 16
Aaon	Trainer Rm	1760	$ 1.624	$ 1.075	$ 229
Total		42,344			$ 2,783

4. No rebates or other finanical incentives were available for this measure

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#16 – Premium Efficiency Motors

Estimated Implementation Cost

Premium Efficiency Motors

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	7.5 HP Premium Efficiency Motor	ea	2	1,098	2,196	1,260	2,520	4,716
	Other Estimated Implementation Costs							2,145
	TOTAL							**$ 6,861**

Estimated Savings

PREMIUM EFFICIENCY MOTORS

UTILITY PRICES

1. Price of Electricity, $/kWh (blended rate) $0.180
2. Price of Natural Gas, $/therm $1.391

					ESTIMATED RUN TIME			FULL LOAD NOMINAL EFFICIENCY (%)		ELECTRIC CONSUMPTION (kWh)		SAVINGS		NJCE REBATE	Replacement Cost	Net Installation Cost	Simple Payback	NJCE REBATE	Peak Demand Reduction
LOCATION	Tag #	SERVICES	HP	RPM	AVG HRS	Load Factor	VFD Factor	EXISTING	PROPOSED	EXISTING	PROPOSED	kWh	$	$	$	$		$	kW
Boiler Room	HW Pump	HW Heating System	7.5	1760	3958	80%	100%	88.5%	91.0%	20,018	19,468	550	$99	$81	$549	$468	4.7	$ 81	0.1
Boiler Room	HW Pump	HW Heating System	7.5	1725	3958	80%	100%	*88.5%*	91.0%	20,018	19,468	550	$99	$81	$549	$468	4.7	$ 81	0.1
											TOTAL	**1,100**	**$198**	**$162**	**$1,098**	**$936**	**4.7**		

1. Run hours based on bin data and time of day factor.
2. Only the major motors were sampled for this calculations.
3. Only the major motors were sampled for this calculations.
4. Run hours base on winter bin hours
5. Coincidence Factor for peak kW reduction taken from United Illuminated Company: 2005 Coincidence Factor Study

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#18 – Replace Aging Unit Ventilators

Estimated Implementation Cost

Replace Aging Unit Ventilators								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Unit Ventilator w/ Hot Water Coil	ea	15	4,500	67,500	1,500	22,500	90,000
2	Electrical & Controls	ls	1	10,000	10,000	15,000	15,000	25,000
3	Demo Existing Units	ea	15		-	500	7,500	7,500
	Other Estimated Implementation Costs							81,309
	TOTAL							**$ 203,809**

Estimated Savings

Replace Existing Unit Ventilators			
1. Price of Electricity, $/kWh (blended rate)	$0.180		
2. Price of Natural Gas, $/therm	$1.391		
	Existing Condition	**Proposed System**	**Savings**
Approximate # UV malfunctioning	15	15	
CFM per Unit	1250	1250	
Approximate $/CFM	$1.41	$0.71	$0.70
Annual Heating Load (therms)	3,747	2,177	1,570
Annual Cost and Savings per UV, $	$294	$149	**$ 146**
Annual Total Cost and Savings, $	$4,417	$2,233	**$ 2,184**

1. Overheating observed in many rooms which had windows open on a 40F schoo
2. Outside Air Damper/Return Air Damper visually seen in poor operating conditio
3. Run hours based on bin data and time of day factor.
4. No rebates or other finanical incentives were available for this measure

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

Replace Existing Unit Ventilators (cont'd)

CFM / Year		
Optimal $ / CFM	$ 0.713	per CFM
Overheating $ / CFM	$ 1.411	per CFM

Boiler Efficiency	0.8
Air Cooled DX (kw/ton)	1.29
TOD Load Factor	0.17

CFM
1

UTILITY PRICES

3. Price of Electricity, $/kWh (blende $0.180

5. Price of Natural Gas, $/therm $1.391

Optimal UV Operation

Temp Range	Bin Hours	OAT (db)	OAT (wb)	OA Enthalpy	Estimated RAT (db)	Estimated RA %RH	RA Enthalpy	dH	% OA	MAT Setpoint = SAT Setpoint - 1	MAT (db)	MA Enthalpy	CCT / SAT Setpoint	Cooling SA %RH	Cooling Enthalpy	CC Load (Ton-Hrs/year)	CC Load (Dx kwh)	CC Load ($ / Annually)	Space Temp / Reheat Setpoint	Heating Load (BTUH Annually)	Heating Load (Therms Annually)	Heating Load ($ / Annually)	Load Factor (TOD)	TOTAL COST
100 to 104	2	102	77	40.4	74	50	27.6	-12.8	20%	54.0	79.6	30.2	55	85	21.7	0.0064	0.0082	$ -	73	-17.9	0.000	$ -	1.00	$ -
95 to 99	23	97	76	39.5	74	50	27.6	-11.8	20%	54.0	78.6	30.0	55	85	21.7	0.0716	0.0924	$ -	73	-174.7	-0.002	$ -	1.00	$ -
90 to 94	93	92	75	38.5	74	50	27.6	-10.9	20%	54.0	77.6	29.8	55	85	21.7	0.2832	0.3655	$ -	73	-580.2	-0.006	$ -	1.00	$ -
85 to 89	237	87	72	35.8	74	50	27.6	-8.2	20%	54.0	76.0	29.3	55	85	21.7	0.6730	0.8683	$ -	73	-1,157.2	-0.012	$ -	1.00	$ -
80 to 84	452	82	70	34.1	74	50	27.6	-6.4	20%	54.0	75.6	28.9	55	85	21.7	1.2253	1.5810	$ -	73	-1,593.9	-0.016	$ -	1.00	$ -
75 to 79	692	77	68	32.4	73	50	27.0	-5.4	20%	54.0	73.8	28.1	55	85	21.7	1.6672	2.1512	$ -	73	-750.8	-0.008	$ -	1.00	$ -
70 to 74	858	72	65	30.1	73	50	27.0	-3.0	100%	54.0	72.0	30.1	55	85	21.7	2.6991	3.4828	$ -	73	1,163.7	0.012	$ -	1.00	$ -
65 to 69	753	67	61	27.1	73	50	27.0	-0.1	100%	54.0	67.0	27.1	55	85	21.7	1.5423	1.9901	$ -	73	6,127.5	0.061	$ -	1.00	$ -
60 to 64	735	62	56	23.8	72	50	26.5	2.7	100%	54.0	62.0	23.8	55	85	21.7	0.5854	0.7554	$ -	73	10,965.3	0.110	$ -	1.00	$ -
55 to 59	671	57	51	20.8	72	50	26.5	5.7	20%	54.0	69.0	25.3	55	85	21.7	0.9190	1.1858	$ -	73	3,640.2	0.036	$ 0.05	1.00	$ 0.051
50 to 54	736	52	47	18.7	72	50	26.5	7.7	20%	54.0	68.0	24.9	55	85	21.7	0.8937	1.1532	$ -	73	4,991.0	0.050	$ 0.07	1.00	$ 0.069
45 to 49	708	47	42	16.2	72	50	26.5	10.3	20%	54.0	67.0	24.4	55	85	21.7	0.7262	0.9370	$ -	73	5,761.4	0.058	$ 0.08	1.00	$ 0.080
40 to 44	756	42	38	14.4	71	50	25.9	11.6	20%	54.0	66.2	23.6	55	85	21.7	0.5459	0.7044	$ -	73	7,997.5	0.080	$ 0.11	1.00	$ 0.111
35 to 39	705	37	33	12.2	71	50	25.9	13.7	20%	54.0	64.2	23.2	55	85	21.7	0.3952	0.5099	$ -	73	8,414.2	0.084	$ 0.12	1.00	$ 0.117
30 to 34	546	32	28	10.1	71	50	25.9	15.8	20%	54.0	63.2	22.8	55	85	21.7	0.2211	0.2852	$ -	73	7,257.0	0.073	$ 0.10	1.00	$ 0.101
25 to 29	340	27	24	8.6	71	50	25.9	17.3	20%	54.0	62.2	22.5	55	85	21.7	0.0982	0.1267	$ -	73	4,980.2	0.050	$ 0.07	1.00	$ 0.069
20 to 24	229	22	19	6.8	70	50	25.4	18.6	20%	54.0	60.4	21.7	55	85	21.7	-0.0018	-0.0024	$ -	73	3,913.3	0.039	$ 0.05	1.00	$ 0.054
15 to 19	133	17	14	5.1	70	50	25.4	20.3	20%	54.0	59.4	21.3	55	85	21.7	-0.0178	-0.0230	$ -	73	2,453.2	0.025	$ 0.03	1.00	$ 0.034
10 to 14	57	12	10	3.8	70	50	25.4	21.6	20%	54.0	58.4	21.1	55	85	21.7	-0.0131	-0.0169	$ -	73	1,128.7	0.011	$ 0.02	1.00	$ 0.016
5 to 9	22	7	5	2.3	70	50	25.4	23.1	20%	54.0	57.4	20.6	55	85	21.7	-0.0076	-0.0097	$ -	73	465.5	0.005	$ 0.01	1.00	$ 0.006
0 to 4	9	2	0	0.9	70	50	25.4	24.5	20%	54.0	56.4	20.5	55	85	21.7	-0.0041	-0.0053	$ -	73	202.6	0.002	$ 0.00	1.00	$ 0.003
-5 to -1	2	-3	-5	-0.5	70	50	25.4	25.9	20%	54.0	55.4	20.2	55	85	21.7	-0.0011	-0.0014	$ -	73	47.7	0.000	$ 0.00	1.00	$ 0.001
-10 to -6	1	-8	-10	-1.9	70	50	25.4	27.3	20%	54.0	54.4	19.9	55	85	21.7	-0.0007	-0.0008	$ -	73	25.2	0.000	$ 0.00	1.00	$ 0.000
	8760																	$ -			0.695	$ 0.71		$ 0.713 Total Cost

UV Operation with Overheating and Misfunctioning OADs

Temp Range	Bin Hours	OAT (db)	OAT (wb)	OA Enthalpy	Estimated RAT (db)	Estimated RA %RH	RA Enthalpy	dH	% OA	MAT Setpoint = SAT Setpoint - 1	MAT (db)	MA Enthalpy	CCT / SAT Setpoint	Cooling SA %RH	Cooling Enthalpy	CC Load (Ton-Hrs/year)	CC Load (Dx kwh)	CC Load ($ / Annually)	Space Temp / Reheat Setpoint	Heating Load (BTUH Annually)	Heating Load (Therms Annually)	Heating Load ($ / Annually)	Load Factor (TOD)	TOTAL COST
100 to 104	2	102	77	40.4	74	50	27.6	-12.8	35%	54.0	83.8	32.1	55	85	21.7	0.0078	0.0101	$ -	73	-29.3	0.000	$ -	1.00	$ -
95 to 99	23	97	76	39.5	74	50	27.6	-11.8	35%	54.0	82.1	31.8	55	85	21.7	0.0869	0.1122	$ -	73	-282.3	-0.003	$ -	1.00	$ -
90 to 94	93	92	75	38.5	74	50	27.6	-10.9	35%	54.0	80.3	31.4	55	85	21.7	0.3403	0.4391	$ -	73	-920.8	-0.009	$ -	1.00	$ -
85 to 89	237	87	72	35.8	74	50	27.6	-8.2	35%	54.0	78.6	30.5	55	85	21.7	0.7818	1.0087	$ -	73	-1,783.9	-0.018	$ -	1.00	$ -
80 to 84	452	82	70	34.1	74	50	27.6	-6.4	35%	54.0	76.8	29.9	55	85	21.7	1.3892	1.7925	$ -	73	-2,329.5	-0.023	$ -	1.00	$ -
75 to 79	692	77	68	32.4	73	50	27.0	-5.4	35%	54.0	74.4	28.9	55	85	21.7	1.8773	2.4224	$ -	73	-1,313.9	-0.013	$ -	1.00	$ -
70 to 74	858	72	65	30.1	73	50	27.0	-3.0	100%	54.0	72.0	30.1	55	85	21.7	2.6991	3.4828	$ -	73	1,163.7	0.012	$ -	1.00	$ -
65 to 69	753	67	61	27.1	73	50	27.0	-0.1	100%	54.0	67.0	27.1	55	85	21.7	1.5423	1.9901	$ -	73	6,127.5	0.061	$ -	1.00	$ -
60 to 64	735	62	56	23.8	72	50	26.5	2.7	100%	54.0	62.0	23.8	55	85	21.7	0.5854	0.7554	$ -	73	10,965.3	0.110	$ -	1.00	$ -
55 to 59	671	57	51	20.8	72	50	26.5	5.7	35%	54.0	66.8	24.5	55	85	21.7	0.7048	0.9094	$ -	76	8,417.9	0.084	$ 0.12	1.00	$ 0.117
50 to 54	736	52	47	18.7	72	50	26.5	7.7	35%	54.0	65.0	23.8	55	85	21.7	0.5730	0.7394	$ -	76	10,980.2	0.110	$ 0.15	1.00	$ 0.153
45 to 49	708	47	42	16.2	72	50	26.5	10.3	35%	54.0	63.3	22.9	55	85	21.7	0.3175	0.4097	$ -	76	12,242.9	0.122	$ 0.17	1.00	$ 0.170
40 to 44	756	42	38	14.4	71	50	25.9	11.6	35%	54.0	60.9	21.9	55	85	21.7	0.0539	0.0696	$ -	76	15,533.7	0.155	$ 0.22	1.00	$ 0.216
35 to 39	705	37	33	12.2	71	50	25.9	13.7	35%	54.0	59.1	21.1	55	85	21.7	-0.1491	-0.1923	$ -	76	16,159.0	0.162	$ 0.22	1.00	$ 0.225
30 to 34	546	32	28	10.1	71	50	25.9	15.8	35%	54.0	57.4	20.4	55	85	21.7	-0.2642	-0.3409	$ -	76	13,810.6	0.138	$ 0.19	1.00	$ 0.192
25 to 29	340	27	24	8.6	71	50	25.9	17.3	35%	54.0	55.6	19.9	55	85	21.7	-0.2336	-0.3014	$ -	76	9,407.0	0.094	$ 0.13	1.00	$ 0.131
20 to 24	229	22	19	6.8	70	50	25.4	18.6	35%	54.0	53.2	18.9	55	85	21.7	-0.2415	-0.3117	$ -	76	7,081.3	0.071	$ 0.10	1.00	$ 0.099
15 to 19	133	17	14	5.1	70	50	25.4	20.3	35%	54.0	51.5	18.3	55	85	21.7	-0.1696	-0.2188	$ -	76	4,428.4	0.044	$ 0.06	1.00	$ 0.062
10 to 14	57	12	10	3.8	70	50	25.4	21.6	35%	54.0	49.7	17.8	55	85	21.7	-0.0822	-0.1061	$ -	76	2,033.2	0.020	$ 0.03	1.00	$ 0.028
5 to 9	22	7	5	2.3	70	50	25.4	23.1	35%	54.0	48.0	17.3	55	85	21.7	-0.0361	-0.0466	$ -	76	836.9	0.008	$ 0.01	1.00	$ 0.012
0 to 4	9	2	0	0.9	70	50	25.4	24.5	35%	54.0	46.2	16.8	55	85	21.7	-0.0165	-0.0213	$ -	76	363.7	0.004	$ 0.01	1.00	$ 0.005
-5 to -1	2	-3	-5	-0.5	70	50	25.4	25.9	35%	54.0	44.5	16.3	55	85	21.7	-0.0040	-0.0052	$ -	76	85.6	0.001	$ 0.00	1.00	$ 0.001
-10 to -6	1	-8	-10	-1.9	70	50	25.4	27.3	35%	54.0	42.7	15.8	55	85	21.7	-0.0022	-0.0028	$ -	76	45.2	0.000	$ 0.00	1.00	$ 0.001
	8760																	$ -			1.197	$ 1.41		$ 1.411 Total Cost

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#19 – Replace Aging Rooftop AC Units with higher efficiency units

Estimated Implementation Cost

Replace Rooftop AC Units w/ High Efficiency Units

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	10-Ton High Eff RTU	ea	1	32,151	32,151	1,500	1,500	33,651
2	7-Ton High Eff RTU	ea	1	20,000	20,000	1,500	1,500	21,500
3	5-Ton High Eff RTU	ea	1	14903	14,903	1500	1,500	16,403
4	Demolition of Existing	ls	1			3,600	3,600	3,600
	Other Estimated Implementation Costs							33,970
	TOTAL							**$ 109,124**

Estimated Savings

Replace aging RTUs with higher efficiency units

3. Price of Electricity, $/kWh (blended rate)	$0.180
5. Price of Natural Gas, $/therm	$1.391

	Existing Condition	Proposed System	Savings
Total Number of Units	3	3	
Total Tons	22	22	
Average SEER	9.2	11.8	
Annual Run Hours	375	375	
Annual Peak Demand Reduction (kW)	24.5	19.0	5.46
Annual kWh	11,088	8,555	2,533
Annual Cost and Savings, $	$ 1,996	$ 1,540	**$ 456**

1. Cost per kWh and therm prices taken from "# Constants" sheet.
2. Run hours based on bin data and time of day factor.
3. Assumed 5 - 10 Ton RTUs thorughout building
4. See Sample Calculations below

Tag	Tons	Run Hrs	Standard SEER Btu / Wh	Hi Eff SEER Btu / Wh	kWh Saved	Annual Savings	Incremental Cost
48DR012	10	375	8.3	11.2	1403	$ 253	$ 2,000
Can't Read	7	375	9.2	11.2	611	$ 110	$ 1,400
50TJ006	5	375	10.0	13.0	519	$ 93	$ 1,000
Total	**22**				**2533**	**$ 456**	**$ 4,400**

5. Coincidence Factor for peak kW reduction taken from United Illuminated Company: 2005 Coincidence Factor Study
6.. ASHRAE 90.1-1989 Referenced for baseline SEER/EER
7. Proposed SEER/EER Ratings taken from Lennox Strategos Series

Rebate is estimated from NJ Smart Start at $81/ton. $ 1,782

Prepared by Dome-Tech, Inc.

DEMAREST HIGH SCHOOL

ECM#21 – Replace Aging Water-Cooled Condensers with higher efficiency Air Cooled units

Estimated Implementation Cost

Replace Aging Water-Cooled Condensing Units for Walk-In Coolers/Freezers

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Air-Cooled Condensing Units	LS	3					11,633
	Other Estimated Implementation Costs							-
	TOTAL							**$ 11,633**

Estimated Savings

Replace aging Water-cooled Condensers with High Efficiency Air-cooled units

3. Price of Electricity, $/kWh (blended rate)	$0.180
5. Price of Natural Gas, $/therm	$1.391
Price of Water, $/Mgal	$0.011

	Existing Condition	Proposed System	Savings
Total Number of Units	3	3	
Total Tons	20	20	
SEER	12.0	12.0	
Annual Run Hours	8,760	8,760	
Annual Peak Demand Reduction (kW)	17.0	17.0	-
Annual kWh	175,200	175,200	-
Annual Water Consumption (gal)	412,550	0	412,550
Annual Water Costs	$ 4,621	$ -	$ 4,621
Annual Cost and Savings, $	$ 36,157	$ 31,536	**$ 4,621**

1. Cost per kWh and therm prices taken from "# Constants" sheet.
2. Replacing once-through water cooled condensers w/ air cooled condensers.

Tag	Tons	Run Hrs	Standard SEER Btu / Wh	Hi Eff SEER Btu / Wh	kWh Saved	Annual Savings	Incremental Cost
0	20	8,760	12.0	12.0	0	$ -	$ -
Total	**20**				**0**	**$ -**	**$ -**

5. Coincidence Factor for peak kW reduction taken from United Illuminated Company: 2005 Coincidence Factor Study

OLD TAPPAN

ECM#2 – Reduce Ventilation Rate

Estimated Implementation Cost

Reduce Ventilation Rate								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Programming & Controls	hrs	8	0	-	135	1,080	1,080
	Other Estimated Implementation Costs							410
	TOTAL							**$ 1,490**

Estimated Savings

Reduce RTU Outside Air Damper Position to 20%			
1. Price of Electricity, $/kWh (blended rate)	$0.151		
2. Price of Natural Gas, $/therm	$1.516		
	Existing Condition	**Proposed System**	**Savings**
Number of Units with Excessive OAD Position	**4**	0	
Average OAD Position	58%	20%	
Average $/CFM	$2.95	$1.54	$1.41
Annual Electric Use (kWh)	29,201	21,546	7,655
Annual Natural Gas Use (therms)	6,170	2,957	3,213
Annual Cost and Savings, $	$ 12,578	$ 6,554	**$ 6,024**

1. Outside Air Damper Position approximated by visual inspection at each unit.
2. Run hours based on bin data and time of day factor.
3. There is no demand reduction for this measure
4. No rebates or other finanical incentives were available for this measure
5. See Sample Calculation Below

Unit Tag	Unit Descrip	OAD Position	New OAD Pos	Current $/CFM	20% OA $/CFM	$/CFM Savings	$ Savings
AHU2	McQuay	50%	20%	$2.67	$1.54	$1.13	$1,369
AHU3	McQuay	50%	20%	$2.67	$1.54	$1.13	$1,369
AHU4	25 Ton Aaoı	80%	20%	$3.80	$1.54	$2.26	$2,432
AHU6	16 Ton Aaoı	50%	20%	$2.67	$1.54	$1.13	$854
						Total	$6,024

Prepared by Dome-Tech, Inc.

OLD TAPPAN
ECM#5 – Domestic Hot Water Temperature Optimization
Estimated Implementation Cost

Domestic Hot Water Temperature Optimization

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	BMS/Controller Programming	hrs	4	0	-	135	540	540
	Other Estimated Implementation Costs							54
	TOTAL							**$ 594**

Estimated Savings

OPTIMIZE DOMESTIC HOT WATER SYSTEM

1. Price of Electricity, $/kWh (blended rate)	$0.151
2. Price of Natural Gas, $/therm	$1.516

	Existing Condition	Proposed System	Savings
Annual Domestic Water Usage for Sinks, gal	1,163,358	1,163,358	
Percentage of Hot Water per Sink Usage	50%	50%	
Annual Hot Water Usage for Sinks, gal	581,679	581,679	
Annual DWH Natural Gas Usage (kBTU)	442,318	393,845	48,473
Annual DWH Natural Gas Usage (therms)	4,423	3,938	485
Annual Cost and Savings, $	$6,706	$5,971	**$ 735**

1. Annual domestic water usage was approximated by occupant number, building operation of 5 days/week, 42 weeks/year.
2. Assuming a DWH efficiency of 80%.
3. Assume incoming city water temperature is 55F. Temperature gauge on heater shows 130F supply temperature.
4. Assuming thermometer on DWH is calibrated.

DWH 1

200	Gallon Capacity
80%	Existing DWH Efficiency
130	Existing Temp Setpoint
120	Recommended Setpoint
5	# Days per week
42	# Weeks/year
1582.8	# Occupants
80%	% of occupants DWH serves
1	Approximate sink usage per day (min)
3.5	Approximate faucet gal/min
930,686	Approximate Annual Domestic Water Usage for Sinks (Gal)
50%	Approximate Percentage of Hot Water per Sink Usage
465,343	Annual Hot Water Usage for Sinks (Gal)
3,635	Existing Gas Usage (therms)
$5,512	Approximate Annual Cost ($)
3,151	Gas Usage with Setpoint Reduction (therms)
$4,777	Approximate Proposed Cost ($)
485	Therms Savings
$735	Cost Savings

Nat Gas	Existing	Proposed
kBTU	363,549	315,076
Therms	3,635	3,151

OLD TAPPAN

DWH 2

400	Gallon Capacity
80%	Existing DWH Efficiency
120	Existing Temp Setpoint
120	Recommended Setpoint
5	# Days per week
42	# Weeks/year
1582.8	# Occupants
20%	% of occupants DWH serves
1	Approximate sink usage per day (min)
3.5	Approximate faucet gal/min
232,672	Approximate Annual Domestic Water Usage for Sinks (Gal)
50%	Approximate Percentage of Hot Water per Sink Usage
116,336	Annual Hot Water Usage for Sinks (Gal)
788	Existing Gas Usage (therms)
$1,194	Approximate Annual Cost ($)
788	Gas Usage with Setpoint Reduction (therms)
$1,194	Approximate Proposed Cost ($)
0	Therms Savings
$0	Cost Savings

Nat Gas	Existing	Proposed
kBTU	78,769	78,769
Therms	788	788

6.There is no demand reduction for this measure

7. No rebates or other finanical incentives were available for this measure

Prepared by Dome-Tech, Inc.

OLD TAPPAN

ECM#6 – Vending Machine Power Management System

Estimated Implementation Cost

Vendingmisers								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Vendmiser Controls	ea	10	179	1,790	50	500	2,290
	TOTAL							**$ 2,290**

Estimated Savings

VENDING MACHINE POWER MANAGEMENT SYSTEM

UTILITY PRICES

1. Price of Electricity, $/kWh (blended rate)	**$0.151**
2. Price of Natural Gas, $/therm	**$1.516**

	Existing Condition	Proposed System	Savings
Soda Machine Power Consumption	100%	54%	-
Annual Op Cost	$2,751	$1,486	-
Run Hours	8,760	8,760	-
Annual Energy Consumption (kWh)	18,221	6,447	11,773
Annual Cost and Savings, $	$2,751	$1,486	**$1,266**

1. Run hours based on fan motors being run 8760 hrs
2. Sample Calculations Below

Vending Machine Count	4
Annual Run-Time Factor	100%
VendMiser Installation Savings	
Soda Machine Power Consumption, kw	0.40
Annual Savings %	46%
Annual Energy Savings	$1,266

Spreadsheet

3. No rebates or other finanical incentives were available for this measure
4. Coincidence Factor for peak kW reduction taken from Maryland Public Utility Commision: Appendix A Measure Analysis Spreadsheet

Prepared by Dome-Tech, Inc.

OLD TAPPAN

ECM#7 – Replace Loose Fan Belts

Estimated Implementation Cost

Replace Fan Belts								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Fan Belts	ea	3	10	30	50	150	180
	TOTAL							**$ 180**

Estimated Savings

Replace Loose Supply Fan Belts	
1. Price of Electricity, $/kWh (blended rate)	**$0.151**
2. Price of Natural Gas, $/therm	**$1.516**

Calculations	
Number of RTUs with loose belts	**3**
Total RTU Supply Fan Motor Horsepower	11
Approximate Supply Fan Energy Usage with Loose Belt	20,691 kWh
Supply Fan Energy Usage with New Belt	19,657 kWh
Supply Fan Loose Belt Energy Loss	**1,035 kWh**
Savings ($)	**$156**

Notes:

1. Assuming a motor efficiency loss of 5% on each loose belt.
2. Assuming the unit runs at this loose belt position yearly.
3. Assumes each RTU operates 8 hours/day, 5 days/week, 52 weeks/year.

4. No rebates or other finanical incentives were available for this measure

Coincidence Factor: Table 10

6. See Sample Calculation Below

Unit Tag	Supply Mtr HP	Mtr Eff.
AC-4	3	87%
AC-5	3	87%
RTU-5	5	88%

Prepared by Dome-Tech, Inc.

OLD TAPPAN

ECM#8 – Weatherstripping

Estimated Implementation Cost

Replace Weatherstripping

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Weather Stripping	ea	6	200	1,200	100	600	1,800
	TOTAL							**$ 1,800**

Estimated Savings

SAVINGS FROM WEATHERSTRIPPING DOORS

1. Price of Electricity, $/kWh (blended rate)	$0.151
2. Price of Natural Gas, $/therm	$1.516

	Existing Condition	Proposed System	Savings
# of Door Seals	6	6	
Estimated Infiltration Rate per Door, CFM	59	12	
Annual Cooling Infiltration Hours, OAT > 80F	807	807	
Annual Heating Infiltration Hours, OAT < 55F	4,244	4,244	
Annual Cooling Load, kBTU	9,258	1,599	7,658
Annual Cooling Electrical Consumption, kWh	1,003	173	830
Annual Heating Load, kBTU	66,830	13,264	53,566
Annual Heating Natural Gas Consumption, therms	835.38	165.80	670
Annual Cost and Savings, $	$ 1,418	$ 278	**$ 1,140**

1. Infiltration rate was calculated according to ASHRAE Fundamentals 2005 Door Leakage Rate Equation F27.12
2. Estimated hours of infiltration was based on all hours below 55F and above 80F for the region.
3. It is assumed that each door has a leakage area of 30 square inches (10 linear feet by 1/4 in). Vestibule doors are not included.
4. A 60% load factor was used when calculating the existing leakage rate.
5. Assume all AHUs have an supply air temperature of 55F in the summer and 80F in the winter.
6. The average outside air temperature above 80F during the year is 85F. The average outside air temperature below 55F is 39F.
7. Assume the cooling plant has an efficiency of 1.3 kw/ton and the natural gas fired heating units have an efficiency of 80%.
8. New weatherstripping is assumed to reduce inflitration by 80%.
9. There is no demand reduction for this measure
10. No rebates or other finanical incentives were available for this measure

OLD TAPPAN

Please see Lighting Inventory for ECM#9 – Lighting Upgrade summary

ECM#10 – Insulate Split Unit Refrigerant Piping on Roof

Estimated Implementation Cost

Insulate Refrigeration Piping

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Foam Insulation	lf	10	2	20	50	500	520
	TOTAL							**$ 520**

Estimated Savings

Insulate Split-Unit Refrigerant Liquid Line Piping on Roof

1. Price of Electricity, $/kWh (blended rat $0.151
2. Price of Natural Gas, $/therm $1.516

	Existing Condition	Proposed System	Savings	Implementation Cost	Simple Payback
Feet of Insulation missing/unit	6	0			
Total Number of Units	14	14			
Total Feet of Insulation Missing	84	0			
Total Tons	70	70			
Average SEER	12.5	13.0			
Annual Run Hours	561	561			
Annual kWh	37,712	36,262	1,450		
Annual Cost and Savings, $	$ 5,695	$ 5,475	**$ 219**	$126	0.6

1. Run hours based on bin data and time of day factor.
2. 1/2 SEER reduction assumed from the uninsulated piping due a drop in refrigerant temperature and pressure.
3. Assumed 5 Ton RTU thorughout building
4. See Sample Calculations below

Tag	Qty.	Tons	Run Hrs	Standard SEER Btu / Wh	Hi Eff SEER Btu / Wh	kWh Saved	Annual Savings	Incremental Cost
XB13	14	5	561	12.5	13	$ 1,450	$ 219	$ 7,000
Total	**14**				**13**	**$ 1,450**	**$ 219**	**$ 7,000**

Factor Study

6.. ASHRAE 90.1-1989 Referenced for baseline SEER/EER

Prepared by Dome-Tech, Inc.

OLD TAPPAN

ECM#12 – Optimize/Rebalance Hot Water Pump Discharge Valve

Estimated Implementation Cost

Re-Balance Hot Water Pump

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Pump Re-balancing	hrs	16	0	-	135	2,160	2,160
	Other Estimated Implementation Costs							1,434
	TOTAL							**$ 3,594**

Estimated Savings

Optimize/Rebalance Hot water Pump 2 Discharge Valve Throttled

UTILITY PRICES

1. Price of Electricity, $/kWh (blended rate)	**$0.151**
2. Price of Natural Gas, $/therm	**$1.516**

	Existing Condition	Proposed System	Savings
Approximate Discharge Valve Position (% Closed)	60%	100%	
Approximate Operating Hours/Year	878	878	
Annual Cost and Savings (kWh/year)	4,911	1,964	2,946
Annual Cost and Savings($/year)	$742	$297	$445

1. Pump 2 valve position found approximately 60% throttled.
2. Run hours based on bin data and time of day factor.
3. There is no demand reduction for this measure
4. No rebates or other finanical incentives were available for this measure
5. See Sample Calculation Below

Current Operating Cost	New Operating Cost	**Opertaing Cost Savings**
$742	$297	**$445**

kWh SAVED/YEAR
2,946

Current Operating Cost

	Average kW	hrs/year	#/pumps	$/kW-hr	**$/year**	**Total $/year**
Pump/Mtr 2	5.595	878	1	0.151	$742	$742

Calculations for New Operating Costs

	Total Head (ft)	Flow (gpm)	Valve Head (Throttled)	New Head (ft)	New WHP	New BHP	New kW
Pump/Mtr 2	70	300	60%	28	2.1	3.0	2.2

New Operating Costs

	New Avg kW	hrs/year	#/pumps	$/kW-hr	**$/year**	**Total $/year**
Pump/Mtr 2	2.2	878	1	0.151	$297	$297

Pump/Motor Data

	Pump Eff	Motor Eff	Motor HP
Pump/Mtr 2	*0.71*	0.885	7.5

Prepared by Dome-Tech, Inc.

OLD TAPPAN

ECM#15 – Demand Control Ventilation

Estimated Implementation Cost

Demand Control Ventilation								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	CO2 Sensors	ea	3	250	750	135	405	1,155
2	Programming & Controls	hrs	24		-	135	3,240	3,240
3	Sensor Installation	hrs	40		-	100	4,000	4,000
4	RA / OA Dampers/Actuators	ea	3	1,000	3,000	750	2,250	5,250
5	Electric Work	ea	3	400	1,200	500	1,500	2,700
6			1		-		-	-
	Other Estimated Implementation Costs							10,849
	TOTAL							**$ 27,194**

Estimated Savings

Demand Control Ventilation

UTILITY PRICES

1. Price of Electricity, $/kWh (blended rate)	**$0.151**
2. Price of Natural Gas, $/therm	**$1.52**

	Existing Condition	Proposed System	Annual Savings
Htg/Clg RTUs Total CFM	10,200	10,200	
Clg RTUs Total CFM	24,972	24,972	
Annual Heating Cost Per CFM	$0.777	$0.320	
Cooling Cost Per CFM	$0.764	$0.656	
Annual Cooling Energy (kWh)	50,833	43,633	7,200
Annual Heating Energy (therms)	1,494	616	879
Annual Cost and Savings, $	$9,941	$7,522	**$2,419**

1. Assumes conditioning cost per cfm based on bin hours calculation using 20% OA for current operating schedule.

2 Assumes conditioning cost per cfm based on bin hours calculation using 5% OA for DCV operating schedule.

3. Run hours based on bin data and time of day factor.

4. Assuming each unit enters economizer mode (100% OA) during temperatures between 60F and 75F.

	Current Operation	Proposed DCV Operation
Htg/Clg RTU Cost Per CFM	$ 1.541	$ 0.976
Annual Htg/Clg Hours	6414	6414
Htg/Clg RTU Load Factor	0.29	0.29
Clg RTU Cost Per CFM	$ 0.764	$ 0.656
Annual Clg Hours	2357	2357

Unit	Serves	Total CFM	Current $/CFM1	Sch V $/CFM2	Estimated Savings
3 Trane	Auditorium	20778	$ 0.764	$ 0.656	$ 642
2 McQauy	South Gym	10200	$ 1.541	$ 0.976	$ 1,647
Trane	Weight Rm	4193	$ 0.764	$ 0.656	$ 130
Total		14,393			$ 1,777

5.There is no demand reduction for this measure

6. No rebates or other finanical incentives were available for this measure

Prepared by Dome-Tech, Inc.

OLD TAPPAN

ECM#16 – Premium Efficiency Motors

Estimated Implementation Cost

Premium Efficiency Motors

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Premium Eff Motors	ls	1	0	-	-	-	3,379
	Other Estimated Implementation Costs							1,313
	TOTAL							**$ 4,692**

Estimated Savings

SAVINGS FROM PREMIUM EFFICIENCY MOTORS

UTILITY PRICES

1. Price of Electricity, $/kWh (blended rate $0.151
2. Price of Natural Gas, $/therm $1.516

					ESTIMATED RUN TIME			FULL LOAD NOMINAL EFFICIENCY (%)		ELECTRIC CONSUMPTION (kWh)		SAVINGS		NJCE REBATE	Replacement Cost	Net Installation Cost	Simple Payback	NJCE REBATE	Peak Demand Reduction
LOCATION	Tag #	SERVICES	HP	RPM	AVG HRS	Load Factor	VFD Factor	EXISTING	PROPOSED	EXISTING	PROPOSED	kWh	$	$	$	$		$	kW
Boiler Room	HWP 1	HW Heating System	7.5	1760	2320	80%	100%	88.5%	91.0%	11,732	11,410	322	$49	$81	$636	$555	11.4	$ 81	0.08
Boiler Room	HWP 2	HW Heating System	7.5	1760	2320	80%	100%	88.5%	91.0%	11,732	11,410	322	$49	$81	$636	$555	11.4	$ 81	0.08
Boiler Room	HWP 3	HW Heating System	10	1760	2320	80%	100%	89.5%	91.7%	15,468	15,097	371	$56	$90	$789	$699	12.5	$ 90	0.10
Boiler Room	HWP 5	HW Heating System	5	1745	2320	80%	100%	87.5%	89.5%	7,911	7,734	177	$27	$54	$440	$386	14.4	$ 54	0.05
Boiler Room	HWP 6	HW Heating System	5	1745	2320	80%	100%	87.5%	89.5%	7,911	7,734	177	$27	$54	$440	$386	14.4	$ 54	0.05
Boiler Room	HWP 8	HW Heating System	5	1745	2320	80%	100%	87.5%	89.5%	7,911	7,734	177	$27	$54	$440	$386	14.4	$ 54	0.05
											TOTAL	1,546	$233	$414	$3,379	$2,965	12.7	$414	0.12

1. Run hours based on bin data and time of day factor.
2. Only the major motors were sampled for this calculations.
4. Run hours base on winter bin hours
5. Coincidence Factor for peak kW reduction taken from United Illuminated Company: 2005 Coincidence Factor Study

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OLD TAPPAN

ECM#17 – Replace Aging Split AC units with new higher efficiency Units

Estimated Implementation Cost

Replace Split AC Units w/ High (SEER) Efficiency Units

N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	4-Ton Split Condenser Unit	ea	1	1,500	1,500	1,500	1,500	3,000
2	3-Ton Split Condenser Units	ea	1	1,000	1,000	1,500	1,500	2,500
3	Demolition Existing Units	ea	2			1,000	2,000	2,000
	Other Estimated Implementation Costs							2,895
	TOTAL							**$ 10,395**

Estimated Savings

Replace aging split units with new higher efficiency units

1. Price of Electricity, $/kWh (blended ra **0.151**
2. Price of Natural Gas, $/therm **1.5160338**

	Existing Condition	Proposed System	Savings
Total Tons	7	7	
Average EER	8.0	14.0	
Annual Run Hours	574	574	
Annual kWh	6,022	3,441	2,581
Annual Cost and Savings, $	$ 909	$ 520	**$ 390**

1. Cost per kWh and therm prices taken from "# Constants" sheet.
2. Run hours based on bin data and time of day factor.
3. Assumed 5 - 10 Ton RTUs thorughout building
4. See Sample Calculations below

Tag	Tons	Run Hrs	Standard SEER Btu / Wh	Hi Eff SEER Btu / Wh	kWh Saved	Annual Savings	Incremental Cost
38AE016500	4	574	8.0	14.0	1475	$ 223	$ 800
38BA008540	3	574	8.0	14.0	1106	$ 167	$ 600
Total	**7**				**2581**	**$ 390**	**$ 1,400**

5. Coincidence Factor for peak kW reduction taken from United Illuminated Company: 2005 Coincidence Factor Study
6.. ASHRAE 90.1-1989 Referenced for baseline SEER/EER
7. Proposed SEER/EER Ratings taken from Lennox Strategos Series
8. Rebate estimated from NJ Smart Start at $81/ton.

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OLD TAPPAN

ECM#18 – Replace Aging Unit Ventilators

Estimated Implementation Cost

Replace Aging Unit Ventilators								
N/N	DESCRIPTION OF WORK	UNIT	QTY	MATERIAL		LABOR		TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
1	Unit Ventilator w/ Hot Water Coil	ea	40	4,500	180,000	1,500	60,000	240,000
2	Electrical & Controls	ls	1	10,000	10,000	15,000	15,000	25,000
3	Demo Existing Units	ea	40		-	500	20,000	20,000
	Other Estimated Implementation Costs							189,168
	TOTAL							**$ 474,168**

Estimated Savings

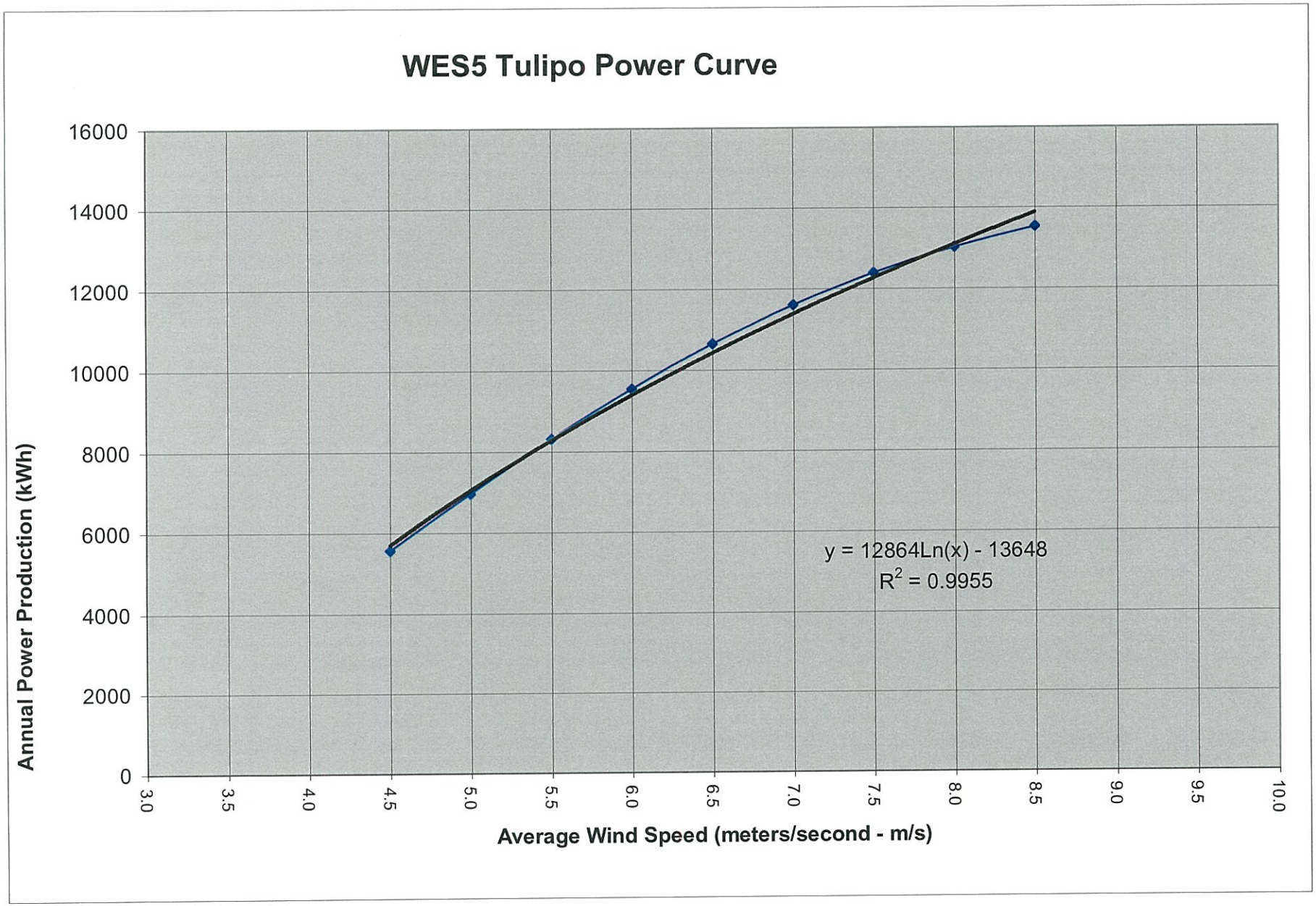
Replace Existing Unit Ventilators Due to Calibration/Damper Issues			
1. Price of Electricity, $/kWh (blended rate)	$0.151		
2. Price of Natural Gas, $/therm	$1.516		
	Existing Condition	**Proposed System**	**Savings**
Approximate # UV malfunctioning	40	40	
CFM per Unit	1250	1250	
Approximate $/CFM	$1.54	$0.78	$0.76
Annual Total Heating Load (therms)	8,468	4,281	4,187
Annual Cost and Savings per UV, $	$321	$162	**$ 159**
Annual Total Cost and Savings, $	$12,838	$6,491	**$ 6,348**

1. Overheating observed in many rooms which had windows open on a 35F school day.
2. Outside Air Damper/Return Air Damper visually seen in poor operating condition.
3. Run hours based on bin data and time of day factor.
4. No rebates or other finanical incentives were available for this measure

Wind Turbine Economics **DEMAREST HIGH SCHOOL**

	Building Integrated	Ground Mount 5 kW	Ground Mount 50 kW
Gross Installation Cost Estima	$130,000	$62,400	$250,000
NJJ SSB Rebate	$52,752	$45,335	$120,055
Net Installation Cost Estimate	$77,248	$17,065	$129,945
Annual Energy Savings	$3,630	$2,692	$29,205
Simple Payback	21.3 yrs.	6.3 yrs.	4.4 yrs.
System Capacity	20 kW	10 kW	50 kW
Annual Avoided Energy Use	19,104 kWh	14,167 kWh	153,710 kWh
Annual CO2 Emmisions, Ther	7	5	54
% of Annual Electric Use*	1.4%	1.0%	11.1%

Demarest High School: 1389008 kWh/Year.


WES5 Tulipo Power Curve
Annual Power Production (kWh)
16000
14000
12000
10000
8000
6000
4000
2000
0
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5
10.0
Average Wind Speed (meters/second - m/s)
y = 12864Ln(x) - 13648
R2 = 0.9955

Site Energy Use	1,460,152
	Roof

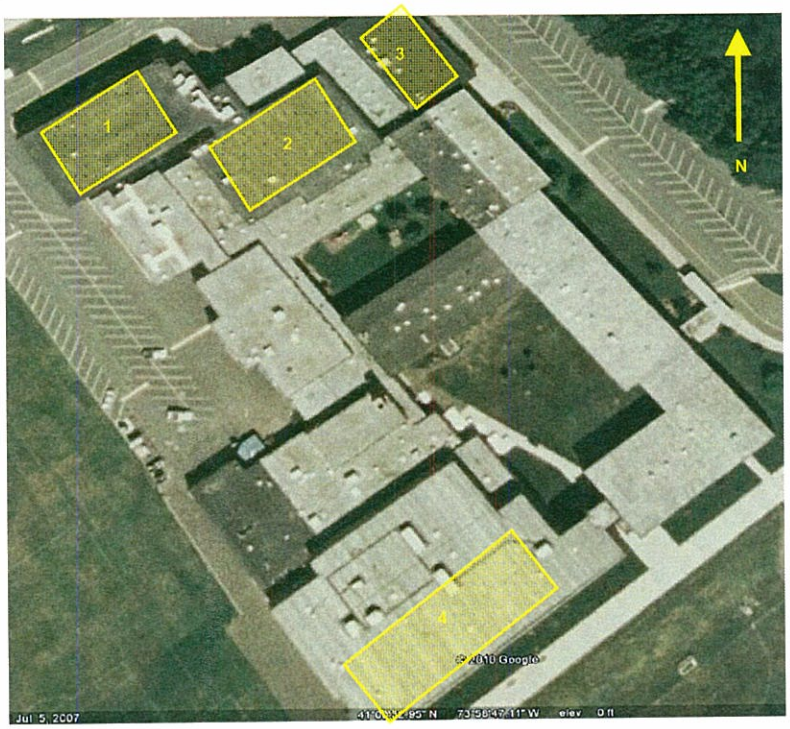
OLD TAPPAN

Install Roof Mount Solar Photovoltaic System(s)	
Assumptions	
System Capacity, kw-dc (maximum utilization of roof space)	141 kw dc
Estimated Annual AC Energy Produced by Proposed Solar PV System	148,361 kwh
Total Annual Facility Electric Use, kwhrs	1,460,152 kwh
Proposed % of Total Annual kWh supplied by Solar PV	10%
All-In Rate for Electric Year 1	$0.166 / kwh
Year 1 Electric Cost Savings	$24,628
Year 1 Maintenance Costs	$2,815
Estimated Year 1 SREC Value:	$640 / SREC
Estimated Year 1 SREC Revenue:	$94,902
Financial Results	
Actual Payback	**8.0 years**
IRR (25 Years)	**10.3%**
Net Present Value (25 yrs, 8% discount rate)	**$134,147**
Cost and Rebate / Tax Incentives	
Cost per kW installed	$6,000
System Installed Cost (does not include value of tax credits)	$844,560

Solar PV System - OLD TAPPAN

Performed By Dome-Tech Energy Advisors

	Section 1 N/S	Section 2 N/S	Section 3 N/S	Section 4 N/S	Section 5 N/S	Section 6 N/S	
Gross Length, feet	65	70	100	60	0	0	
Panel Count (calculated)	18.9	20.4	29.1	17.5	0.0	0.0	
Panel Count (actual)	18	20	29	17	0	0	
	E/W	E/W	E/W	E/W	E/W	E/W	
Gross Length, feet	115	110	30	170	0		
Panel Count (calculated)	22.5	21.5	5.9	33.2	0.0	0.0	
Panel Count (actual)	22	21	5	33	0	0	
Gross Panel Qty	396	420	145	561	0	0	
Panel Reduction %	75%	75%	0%	0%	0%		
Net Panel Qty	297	315	0	0	0	0	612
							Total
System Capacity, kw	68	72	0	0	0	0	141
Choose Closest City	Newark	Newark	Newark	Newark	Newark	Newark	
Capacity Factor (kwh/kw)	1,054	1,054	1,054	1,054	1,054	1,054	
First Year Expected Production (kWh)	71,999	76,362	0	0	0	0	148,361



Site Energy Use	1,389,008
	Roof

DEMAREST

Install Roof Mount Solar Photovoltaic System(s)	
Assumptions	
System Capacity, kw-dc (maximum utilization of roof space)	136 kw dc
Estimated Annual AC Energy Produced by Proposed Solar PV System	143,452 kwh
Total Annual Facility Electric Use, kwhrs	1,389,008 kwh
Proposed % of Total Annual kWh supplied by Solar PV	10%
All-In Rate for Electric Year 1	$0.170 / kwh
Year 1 Electric Cost Savings	$24,387
Year 1 Maintenance Costs	$2,722
Estimated Year 1 SREC Value:	$640 / SREC
Estimated Year 1 SREC Revenue:	$91,762
Financial Results	
Actual Payback	**8.0 years**
IRR (25 Years)	**10.4%**
Net Present Value (25 yrs, 8% discount rate)	**$138,068**
Cost and Rebate / Tax Incentives	
Cost per kW installed	$6,000
System Installed Cost (does not include value of tax credits)	$816,615

Solar PV System -Demarest

Performed By Dome-Tech Energy Advisors

	Section 1	Section 2	Section 3	Section 4	Section 5	Section 6	
	N/S	N/S	N/S	N/S	N/S	N/S	
Gross Length, feet	75	105	110	45	0	0	
Panel Count (calculated)	21.9	30.6	32.1	13.1	0.0	0.0	
Panel Count (actual)	21	30	32	13	0	0	
	E/W	E/W	E/W	E/W	E/W	E/W	
Gross Length, feet	100	70	50	175	0		
Panel Count (calculated)	19.5	13.7	9.8	34.2	0.0	0.0	
Panel Count (actual)	19	13	9	34	0	0	
Gross Panel Qty	399	390	288	442	0	0	
Panel Reduction %	75%	75%	0%	0%	0%		
Net Panel Qty	299	293	0	0	0	0	592
							Total
System Capacity, kw	69	67	0	0	0	0	136
Choose Closest City	Newark	Newark	Newark	Newark	Newark	Newark	
Capacity Factor (kwh/kw)	1,054	1,054	1,054	1,054	1,054	1,054	
First Year Expected Production (kWh)	72,544	70,908	0	0	0	0	143,452

