DOE 2.2 PS-362 SCHOOL, BRONX, NY DOE-2.2-48n 6/01/2017 16:22:10 BDL RUN 1
Base Case
REPORT- BEPU Building Utility Performance WEATHER FILE- NEW YORK LAGUARDI NY

| | LIGHTS | TASK LIGHTS | MISC EQUIP | SPACE HEATING | SPACE COOLING | HEAT REJECT | PUMPS & AUX | VENT FANS | REFRIG DISPLAY | HT PUMP SUPPLEM | DOMEST HOT WTR | EXT USAGE | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NONR ELECTRICITY | | | | | | | | | | | | | |
| KWH | 0. | 0. | 305158. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 305158. |
| EM1 ELECTRICITY | | | | | | | | | | | | | |
| KWH | 311047. | 5468. | 11246. | 2101. | 201238. | 0. | 19058. | 181710. | 0. | 0. | 768. | 1100. | 733736. |
| ELEV ELECTRICITY | | | | | | | | | | | | | |
| KWH | 0. | 0. | 6264. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 6264. |
| FUEL NATURAL-GAS | | | | | | | | | | | | | |
| THERM | 0. | 0. | 0. | 10323. | 0. | 0. | 61. | 0. | 0. | 0. | 6100. | 0. | 16484. |
| NONR NATURAL-GAS | | | | | | | | | | | | | |
| THERM | 0. | 0. | 104. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 104. |
| DHW- NATURAL-GAS | | | | | | | | | | | | | |
| THERM | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

TOTAL ELECTRICITY 1045157. KWH 5.844 KWH /SQFT-YR GROSS-AREA 5.844 KWH /SQFT-YR NET-AREA
TOTAL NATURAL-GAS 16588. THERM 0.093 THERM /SQFT-YR GROSS-AREA 0.093 THERM /SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 2.71
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.00
HOURS ANY ZONE ABOVE COOLING THROTTLING RANGE = 72
HOURS ANY ZONE BELOW HEATING THROTTLING RANGE = 165

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

REPORT- ES-D Energy Cost Summary WEATHER FILE- NEW YORK LAGUARDI NY

| UTILITY-RATE | RESOURCE | METERS | METERED ENERGY UNITS/YR | TOTAL CHARGE ($) | VIRTUAL RATE ($/UNIT) | RATE USED ALL YEAR? |
|---|---|---|---|---|---|---|
| REG-ELEC-TARIFF | ELECTRICITY | EM1 ELEV | 214158. KWH | 61557. | 0.2874 | YES |
| UNREG-ELEC-TARIFF | ELECTRICITY | NONR | 42048. KWH | 9457. | 0.2249 | YES |
| REG-GAS-TARIFF | NATURAL-GAS | FUEL DHW- | 6324. THERM | 7030. | 1.1117 | YES |
| UNREG-GAS-TARIFF | NATURAL-GAS | NONR | 719. THERM | 799. | 1.1117 | YES |
| | | | | ========== | | |
| | | | | 78843. | | |


ENERGY COST/GROSS BLDG AREA: 1.76
ENERGY COST/NET BLDG AREA: 1.76

REPORT- LV-B Summary of Spaces WEATHER FILE- NEW YORK LAGUARDI NY

NUMBER OF SPACES 26 EXTERIOR 18 INTERIOR 8

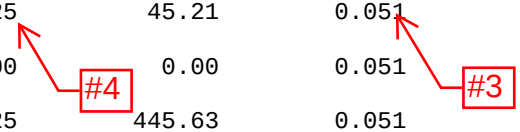
| SPACE | SPACE*FLOOR MULTIPLIER | SPACE TYPE | AZIM | LIGHTS (WATT / SQFT ) | PEOPLE | EQUIP (WATT / SQFT ) | INFILTRATION METHOD | ACH | AREA (SQFT ) | VOLUME (CUFT ) |
|---|---|---|---|---|---|---|---|---|---|---|
| Spaces on floor: B-FLOOR | | | | | | | | | | |
| B-LOCKER-2 | 1.0 | INT | 0.0 | 0.57 | 4.3 | 0.00 | AIR-CHANGE | 0.00 | 217.5 | 2175.0 |
| B-MER | 1.0 | INT | 0.0 | 0.80 | 18.6 | 0.00 | AIR-CHANGE | 0.00 | 5570.2 | 55701.8 |
| B-STORAGE | 1.0 | INT | 0.0 | 0.80 | 2.9 | 0.00 | AIR-CHANGE | 0.00 | 882.3 | 8823.2 |
| B-CORR | 1.0 | INT | 0.0 | 0.63 | 1.4 | 0.00 | AIR-CHANGE | 0.00 | 1450.0 | 14500.0 |
| Spaces on floor: 1-FLOOR | | | | | | | | | | |
| 1-CAFE-1 | 1.0 | EXT | 0.0 | 0.65 | 258.5 | 0.12 | AIR-CHANGE | 0.15 | 2081.3 | 20813.2 |
| 1-KITCHEN | 1.0 | INT | 0.0 | 0.99 | 95.6 | 5.28 | AIR-CHANGE | 0.10 | 1649.4 | 16494.4 |
| 1-CORR | 1.0 | EXT | 0.0 | 0.63 | 3.9 | 0.00 | AIR-CHANGE | 0.15 | 3920.8 | 39208.0 |
| 1-CLASS-3 | 1.0 | EXT | 0.0 | 0.72 | 90.3 | 0.23 | AIR-CHANGE | 0.15 | 2076.4 | 20764.4 |
| 1-OFF-1 | 1.0 | EXT | 0.0 | 0.72 | 12.6 | 1.12 | AIR-CHANGE | 0.15 | 1259.0 | 12590.4 |
| 1-PLENUM | 1.0 | EXT | 0.0 | 0.00 | 0.0 | 0.00 | NO-INFILT. | 0.00 | 11200.0 | 112000.0 |
| Spaces on floor: 2-FLOOR | | | | | | | | | | |
| 2-LIBRARY | 1.0 | INT | 0.0 | 1.02 | 9.7 | 0.50 | AIR-CHANGE | 0.15 | 973.6 | 9735.6 |
| 2-CLASS-3 | 1.0 | EXT | 0.0 | 0.72 | 93.6 | 0.23 | AIR-CHANGE | 0.15 | 2152.1 | 21520.8 |
| 2-OFF-3 | 1.0 | INT | 0.0 | 0.72 | 9.9 | 1.12 | AIR-CHANGE | 0.15 | 990.6 | 9906.4 |
| 2-CORR | 1.0 | EXT | 0.0 | 0.63 | 3.0 | 0.00 | AIR-CHANGE | 0.15 | 2967.4 | 29674.2 |
| 2-CLASS-4 | 1.0 | EXT | 0.0 | 0.72 | 57.4 | 0.23 | AIR-CHANGE | 0.15 | 1321.3 | 13212.6 |
| 2-CLASS-5 | 1.0 | EXT | 0.0 | 0.72 | 56.3 | 0.23 | AIR-CHANGE | 0.15 | 1295.6 | 12956.4 |
| 2-CLASS-1 | 1.0 | EXT | 0.0 | 0.72 | 84.2 | 0.23 | AIR-CHANGE | 0.15 | 1937.4 | 19373.6 |
| 2-PLENUM | 1.0 | EXT | 0.0 | 0.00 | 0.0 | 0.00 | NO-INFILT. | 0.00 | 11200.0 | 112000.0 |
| Spaces on floor: 3-FLOOR | | | | | | | | | | |
| 3-MULTI-PURPOSE | 1.0 | INT | 0.0 | 1.58 | 366.6 | 0.00 | AIR-CHANGE | 0.15 | 4032.2 | 40322.1 |
| 3-CORR | 1.0 | EXT | 0.0 | 0.63 | 2.9 | 0.00 | AIR-CHANGE | 0.15 | 2911.6 | 29116.0 |
| 3-CLASS-E | 1.0 | EXT | 0.0 | 0.72 | 74.9 | 0.23 | AIR-CHANGE | 0.15 | 1722.6 | 17226.4 |
| 3-CLASS-6 | 1.0 | EXT | 0.0 | 0.72 | 44.5 | 0.23 | AIR-CHANGE | 0.15 | 1022.4 | 10223.6 |
| 3-CLASS-4 | 1.0 | EXT | 0.0 | 0.72 | 74.3 | 0.23 | AIR-CHANGE | 0.15 | 1709.2 | 17092.2 |
| 3-CLASS-1 | 1.0 | EXT | 0.0 | 0.72 | 42.9 | 0.23 | AIR-CHANGE | 0.15 | 985.8 | 9857.6 |
| 3-CLASS-2 | 1.0 | EXT | 0.0 | 0.72 | 72.7 | 0.23 | AIR-CHANGE | 0.15 | 1672.6 | 16726.2 |
| 3-PLENUM | 1.0 | EXT | 0.0 | 0.00 | 0.0 | 0.00 | NO-INFILT. | 0.00 | 11200.0 | 112000.0 |
| BUILDING TOTALS | | | | | 1481.2 | | | | 78401.4 | 784014.2 |

#1 #2 #3

REPORT- LV-D Details of Exterior Surfaces WEATHER FILE- NEW YORK LAGUARDI NY

NUMBER OF EXTERIOR SURFACES 335
(U-VALUE INCLUDES OUTSIDE FILM; WINDOW INCLUDES FRAME AND CURB, IF DEFINED)

| SURFACE | - - - W I N D O W S - - - U-VALUE (BTU/HR-SQFT-F) | AREA (SQFT) | - - - - W A L L - - - - U-VALUE (BTU/HR-SQFT-F) | AREA (SQFT) | -W A L L + W I N D O W S- U-VALUE (BTU/HR-SQFT-F) | AREA (SQFT) | AZIMUTH |
|---|---|---|---|---|---|---|---|
| EW-84 | 0.425 | 45.21 | 0.051 | 97.79 | 0.169 | 143.00 | NORTH |
| in space: 2-RESOURCE-1 | | | | | | | |
| EW-122 | 0.000 | 0.00 | 0.051 | 57.20 | 0.051 | 57.20 | NORTH |
| in space: 2-PLENUM | | | | | | | |
| EW-3 | 0.425 | 445.63 | 0.051 | 934.37 | 0.172 | 1380.00 | NORTH |
| in space: 1-CAFE-1 | | | | | | | |
| EW-5 | 0.000 | 0.00 | 0.051 | 201.00 | 0.051 | 201.00 | NORTH |
| in space: 1-KIT-STO | | | | | | | |
| EW-7 | 0.000 | 0.00 | 0.051 | 312.00 | 0.051 | 312.00 | NORTH |
| in space: 1-KIT-SUPPORT | | | | | | | |
| EW-10 | 0.425 | 6.46 | 0.051 | 131.14 | 0.068 | 137.60 | NORTH |
| in space: 1-STAIR-2 | | | | | | | |
| EW-20 | 0.000 | 0.00 | 0.051 | 130.20 | 0.051 | 130.20 | NORTH |
| in space: 1-AUDI-SUPPORT | | | | | | | |
| EW-28 | 0.000 | 0.00 | 0.051 | 772.80 | 0.051 | 772.80 | NORTH |
| in space: 1-ELEC-1 | | | | | | | |
| EW-29 | 0.000 | 0.00 | 0.051 | 134.40 | 0.051 | 134.40 | NORTH |
| in space: 1-ELEC-1 | | | | | | | |
| EW-32 | 0.000 | 0.00 | 0.051 | 1045.80 | 0.051 | 1045.80 | NORTH |
| in space: 1-GYM | | | | | | | |
| EW-208 | 0.000 | 0.00 | 0.051 | 54.00 | 0.051 | 54.00 | EAST |
| in space: 3-PLENUM | | | | | | | |
| EW-68 | 0.000 | 0.00 | 0.051 | 7.80 | 0.051 | 7.80 | EAST |
| in space: 1-PLENUM | | | | | | | |
| EW-210 | 0.000 | 0.00 | 0.051 | 52.80 | 0.051 | 52.80 | EAST |
| in space: 3-PLENUM | | | | | | | |
| EW-211 | 0.000 | 0.00 | 0.051 | 160.40 | 0.051 | 160.40 | EAST |
| in space: 3-PLENUM | | | | | | | |
| EW-212 | 0.000 | 0.00 | 0.051 | 44.00 | 0.051 | 44.00 | EAST |
| in space: 3-PLENUM | | | | | | | |
| EW-214 | 0.000 | 0.00 | 0.051 | 36.40 | 0.051 | 36.40 | EAST |
| in space: 3-PLENUM | | | | | | | |
| EW-117 | 0.000 | 0.00 | 0.051 | 43.20 | 0.051 | 43.20 | EAST |
| in space: 2-PLENUM | | | | | | | |
| EW-7763 | 0.425 | 32.29 | 0.051 | 71.71 | 0.167 | 104.00 | EAST |
| in space: 4-CONF-2 | | | | | | | |
| EW-72 | 0.000 | 0.00 | 0.051 | 106.80 | 0.051 | 106.80 | EAST |

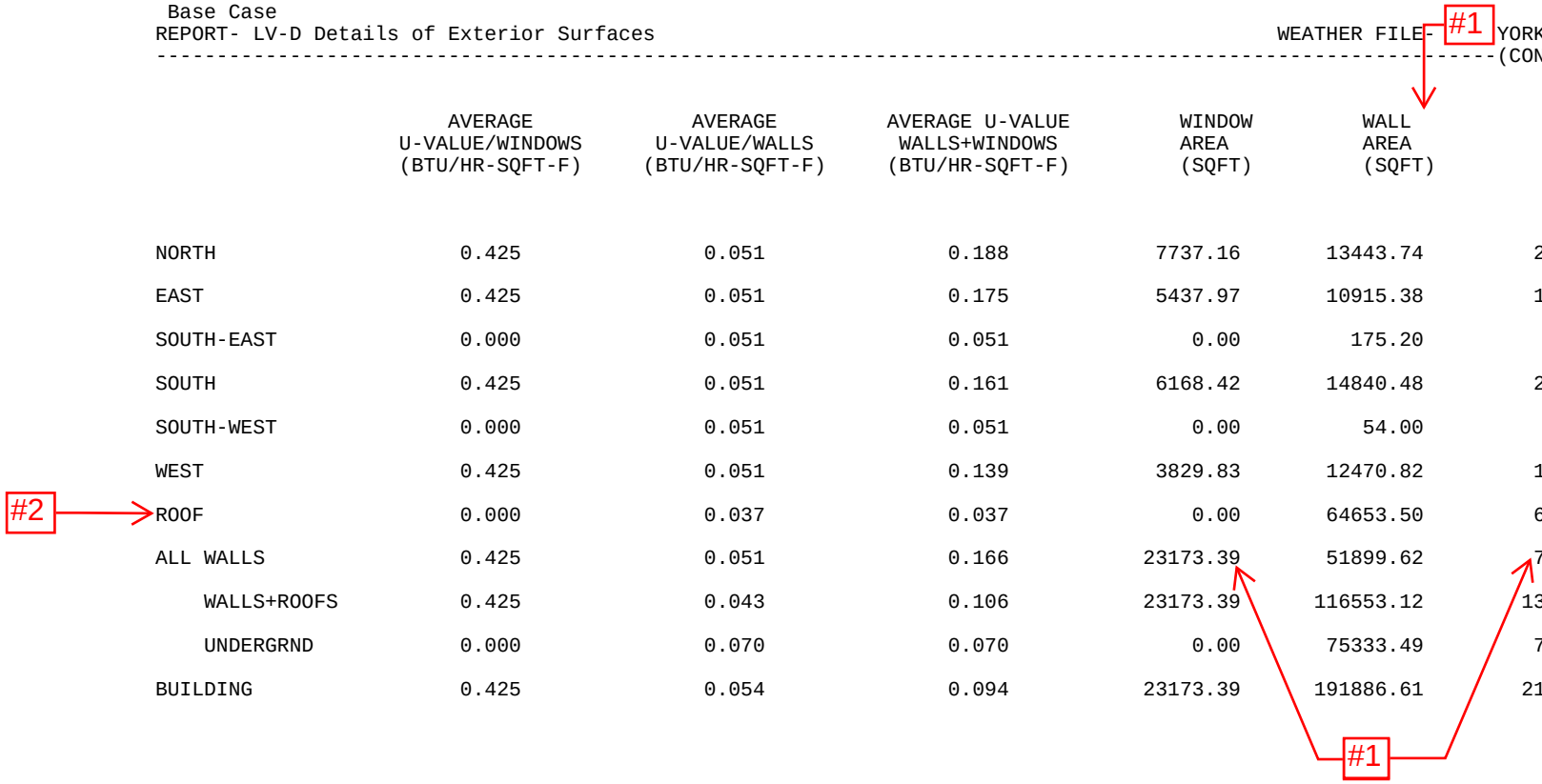


| | | | | | | | |
|---|---|---|---|---|---|---|---|
| EW-273 | 0.000 | 0.00 | 0.051 | 57.20 | 0.051 | 57.20 | WEST |
| in space: 4-PLENUM | | | | | | | |
| EW-9 | 0.425 | 45.21 | 0.051 | 96.79 | 0.170 | 142.00 | WEST |
| in space: 1-CAFE-2 | | | | | | | |
| EW-61 | 0.000 | 0.00 | 0.051 | 85.20 | 0.051 | 85.20 | WEST |
| in space: 1-PLENUM | | | | | | | |
| ROOF 22 | 0.000 | 0.00 | 0.037 | 5370.96 | 0.037 | 5370.96 | ROOF |
| in space: 1-AUDI-SUPPORT | | | | | | | |
| ROOF 23 | 0.000 | 0.00 | 0.037 | 879.78 | 0.037 | 879.78 | ROOF |
| in space: 1-AUDI-SUPPORT | | | | | | | |
| RF-1 | 0.000 | 0.00 | 0.037 | 3198.72 | 0.037 | 3198.72 | ROOF |
| in space: 1-ELEC-1 | | | | | | | |
| ROOF 39 | 0.000 | 0.00 | 0.037 | 7268.31 | 0.037 | 7268.31 | ROOF |
| in space: 1-GYM | | | | | | | |
| RF-3 | 0.000 | 0.00 | 0.037 | 2140.60 | 0.037 | 2140.60 | ROOF |
| in space: 1-PLENUM | | | | | | | |
| RF-4 | 0.000 | 0.00 | 0.037 | 2394.81 | 0.037 | 2394.81 | ROOF |
| in space: 1-PLENUM | | | | | | | |
| RF-5 | 0.000 | 0.00 | 0.037 | 152.88 | 0.037 | 152.88 | ROOF |
| RF-7 | 0.000 | 0.00 | 0.037 | 11045.52 | 0.037 | 11045.52 | ROOF |
| in space: 4-PLENUM | | | | | | | |
| RF-8 | 0.000 | 0.00 | 0.037 | 795.00 | 0.037 | 795.00 | ROOF |
| in space: 4-PLENUM | | | | | | | |
| RF-9 | 0.000 | 0.00 | 0.037 | 9371.01 | 0.037 | 9371.01 | ROOF |
| in space: 4-PLENUM | | | | | | | |
| UF-1 | 0.000 | 0.00 | 0.070 | 346.79 | 0.070 | 346.79 | UNDERGRND |
| in space: 1-SECURITY | | | | | | | |
| UF-2 | 0.000 | 0.00 | 0.070 | 775.75 | 0.070 | 775.75 | UNDERGRND |
| in space: 1-LIB-SUPPORT | | | | | | | |
| UF-3 | 0.000 | 0.00 | 0.070 | 154.09 | 0.070 | 154.09 | UNDERGRND |
| in space: 1-AUDIO | | | | | | | |
| UF-4 | 0.000 | 0.00 | 0.070 | 710.15 | 0.070 | 710.15 | UNDERGRND |
| in space: 1-STAIR-1 | | | | | | | |
| UF-5 | 0.000 | 0.00 | 0.070 | 435.43 | 0.070 | 435.43 | UNDERGRND |
| in space: 1-VEST-1 | | | | | | | |
| UF-6 | 0.000 | 0.00 | 0.070 | 7991.64 | 0.070 | 7991.64 | UNDERGRND |
| in space: 1-CAFE-1 | | | | | | | |
| UF-7 | 0.000 | 0.00 | 0.070 | 490.81 | 0.070 | 490.81 | UNDERGRND |
| in space: 1-STO-2 | | | | | | | |
| UF-8 | 0.000 | 0.00 | 0.070 | 152.30 | 0.070 | 152.30 | UNDERGRND |
| in space: 1-ELEC-2 | | | | | | | |
| UF-9 | 0.000 | 0.00 | 0.070 | 641.57 | 0.070 | 641.57 | UNDERGRND |
| in space: 1-KIT-STO | | | | | | | |

REPORT- LV-D Details of Exterior Surfaces WEATHER FILE- YORK LAGUARDI NY

(CONTINUED)

| | AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F) | AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F) | AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F) | WINDOW AREA (SQFT) | WALL AREA (SQFT) | WINDOW+WALL AREA (SQFT) |
|---|---|---|---|---|---|---|
| NORTH | 0.425 | 0.051 | 0.188 | 7737.16 | 13443.74 | 21180.90 |
| EAST | 0.425 | 0.051 | 0.175 | 5437.97 | 10915.38 | 16353.35 |
| SOUTH-EAST | 0.000 | 0.051 | 0.051 | 0.00 | 175.20 | 175.20 |
| SOUTH | 0.425 | 0.051 | 0.161 | 6168.42 | 14840.48 | 21008.90 |
| SOUTH-WEST | 0.000 | 0.051 | 0.051 | 0.00 | 54.00 | 54.00 |
| WEST | 0.425 | 0.051 | 0.139 | 3829.83 | 12470.82 | 16300.65 |
| ROOF | 0.000 | 0.037 | 0.037 | 0.00 | 64653.50 | 64653.50 |
| ALL WALLS | 0.425 | 0.051 | 0.166 | 23173.39 | 51899.62 | 75072.99 |
| WALLS+ROOFS | 0.425 | 0.043 | 0.106 | 23173.39 | 116553.12 | 139726.48 |
| UNDERGRND | 0.000 | 0.070 | 0.070 | 0.00 | 75333.49 | 75333.49 |
| BUILDING | 0.425 | 0.054 | 0.094 | 23173.39 | 191886.61 | 215059.98 |



REPORT- LV-H Details of Windows WEATHER FILE- NEW YORK LAGUARDI NY

NUMBER OF WINDOWS 132

(Note: u-values include outside air film)


| WINDOW NAME | MULTIPLIER | GLASS AREA (SQFT ) | GLASS HEIGHT (FT) | GLASS WIDTH (FT) | LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT) | Y (FT) | FRAME AREA (SQFT ) | CURB | FRAME U-VALUE (BTU/HR-SQFT-F) | CURB |
|---|---|---|---|---|---|---|---|---|---|---|
| WI-1 | 1.0 | 135.63 | 6.46 | 21.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-2 | 1.0 | 891.26 | 6.46 | 138.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-3 | 1.0 | 25.83 | 6.46 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-4 | 1.0 | 90.42 | 6.46 | 14.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-5 | 1.0 | 12.92 | 6.46 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-6 | 1.0 | 284.17 | 6.46 | 44.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-7 | 1.0 | 226.04 | 6.46 | 35.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-8 | 1.0 | 290.63 | 6.46 | 45.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-9 | 1.0 | 213.13 | 6.46 | 33.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-10 | 1.0 | 3.23 | 6.46 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-11 | 1.0 | 6.46 | 6.46 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-12 | 1.0 | 12.92 | 6.46 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-13 | 1.0 | 213.13 | 6.46 | 33.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-14 | 1.0 | 6.46 | 6.46 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-15 | 1.0 | 109.79 | 6.46 | 17.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-16 | 1.0 | 167.92 | 6.46 | 26.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-17 | 1.0 | 16.79 | 6.46 | 2.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-18 | 1.0 | 142.08 | 6.46 | 22.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-19 | 1.0 | 12.92 | 6.46 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-20 | 1.0 | 632.92 | 6.46 | 98.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-21 | 1.0 | 310.00 | 6.46 | 48.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-22 | 1.0 | 477.92 | 6.46 | 74.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-23 | 1.0 | 64.58 | 6.46 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-24 | 1.0 | 129.17 | 6.46 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-25 | 1.0 | 180.84 | 6.46 | 28.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-26 | 1.0 | 29.06 | 6.46 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-27 | 1.0 | 626.46 | 6.46 | 97.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-28 | 1.0 | 90.42 | 6.46 | 14.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-29 | 1.0 | 503.76 | 6.46 | 78.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-30 | 1.0 | 25.83 | 6.46 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-31 | 1.0 | 232.50 | 6.46 | 36.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-32 | 1.0 | 122.71 | 6.46 | 19.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-33 | 1.0 | 116.25 | 6.46 | 18.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-34 | 1.0 | 64.58 | 6.46 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-35 | 1.0 | 83.96 | 6.46 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-36 | 1.0 | 45.21 | 6.46 | 7.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-37 | 1.0 | 64.58 | 6.46 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-38 | 1.0 | 129.17 | 6.46 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-39 | 1.0 | 51.67 | 6.46 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-40 | 1.0 | 83.96 | 6.46 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-41 | 1.0 | 155.00 | 6.46 | 24.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-42 | 1.0 | 71.04 | 6.46 | 11.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-43 | 1.0 | 226.04 | 6.46 | 35.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-44 | 1.0 | 658.76 | 6.46 | 102.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-45 | 1.0 | 32.29 | 6.46 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-46 | 1.0 | 58.13 | 6.46 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-47 | 1.0 | 187.29 | 6.46 | 29.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-48 | 1.0 | 45.21 | 6.46 | 7.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-49 | 1.0 | 213.13 | 6.46 | 33.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |

REPORT- LV-H Details of Windows WEATHER FILE- NEW YORK LAGUARDI NY
(CONTINUED)

(Note: u-values include outside air film)

| WINDOW NAME | MULTIPLIER | GLASS AREA (SQFT ) | GLASS HEIGHT (FT) | GLASS WIDTH (FT) | LOCATION OF ORIGIN IN SURFACE COORDINATES X (FT) | Y (FT) | FRAME AREA (SQFT ) | CURB AREA (SQFT ) | FRAME U-VALUE (BTU/HR-SQFT-F) | CURB U-VALUE (BTU/HR-SQFT-F) |
|---|---|---|---|---|---|---|---|---|---|---|
| WI-102 | 1.0 | 794.38 | 6.46 | 123.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-103 | 1.0 | 29.06 | 6.46 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-104 | 1.0 | 25.83 | 6.46 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-105 | 1.0 | 226.04 | 6.46 | 35.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-106 | 1.0 | 122.71 | 6.46 | 19.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-107 | 1.0 | 96.88 | 6.46 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-108 | 1.0 | 64.58 | 6.46 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-109 | 1.0 | 122.71 | 6.46 | 19.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-110 | 1.0 | 77.50 | 6.46 | 12.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-111 | 1.0 | 83.96 | 6.46 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-112 | 1.0 | 45.21 | 6.46 | 7.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-113 | 1.0 | 71.04 | 6.46 | 11.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-114 | 1.0 | 155.00 | 6.46 | 24.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-115 | 1.0 | 393.96 | 6.46 | 61.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-116 | 1.0 | 209.90 | 6.46 | 32.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-117 | 1.0 | 742.72 | 6.46 | 115.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-118 | 1.0 | 226.04 | 6.46 | 35.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-119 | 1.0 | 600.63 | 6.46 | 93.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-120 | 1.0 | 45.21 | 6.46 | 7.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-121 | 1.0 | 206.67 | 6.46 | 32.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-122 | 1.0 | 142.08 | 6.46 | 22.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-123 | 1.0 | 122.71 | 6.46 | 19.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-124 | 1.0 | 226.04 | 6.46 | 35.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-125 | 1.0 | 122.71 | 6.46 | 19.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-126 | 1.0 | 83.96 | 6.46 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-127 | 1.0 | 83.96 | 6.46 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-128 | 1.0 | 258.34 | 6.46 | 40.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-129 | 1.0 | 67.81 | 6.46 | 10.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-130 | 1.0 | 12.92 | 6.46 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-131 | 1.0 | 58.13 | 6.46 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |
| WI-132 | 1.0 | 58.13 | 6.46 | 9.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.425 | 0.000 |

#3 #2

| WINDOW NAME | SETBACK (FT) | GLASS SHADING COEFF | NUMBER OF PANES | CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F) | GLASS VISIBLE TRANS | GLASS SOLAR TRANS | SURFACE TO ROUGH OPEN AREA RATIO |
|---|---|---|---|---|---|---|---|
| WI-1 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-2 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-3 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-4 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-5 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-6 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-7 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-8 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-9 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-10 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-11 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-12 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-13 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-14 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-15 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |

REPORT- LV-H Details of Windows WEATHER FILE- NEW YORK LAGUARDI NY
(CONTINUED)

| WINDOW NAME | SETBACK (FT) | GLASS SHADING COEFF | NUMBER OF PANES | CENTER-OF-GLASS U-VALUE (BTU/HR-SQFT-F) | GLASS VISIBLE TRANS | GLASS SOLAR TRANS | SURFACE TO ROUGH OPEN AREA RATIO |
|---|---|---|---|---|---|---|---|
| WI-124 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-125 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-126 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-127 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-128 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-129 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-130 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-131 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |
| WI-132 | 0.25 | 0.44 | 1 | 0.425 | 0.680 | 0.878 | 1.000 |

REPORT- LV-I Details of Constructions WEATHER FILE- NEW YORK LAGUARDI NY

NUMBER OF CONSTRUCTIONS 12 DELAYED 9 QUICK 3

#1 #2 #3

| CONSTRUCTION NAME | U-VALUE (BTU/HR-SQFT-F) | SURFACE ABSORPTANCE | SURFACE ROUGHNESS INDEX | SURFACE TYPE | NUMBER OF RESPONSE FACTORS |
|---|---|---|---|---|---|
| EW-TYP-GB-CON | 0.052 | 0.70 | 3 | DELAYED | 34 |
| EW-TYP-NOGB-CON | 0.052 | 0.70 | 3 | DELAYED | 34 |
| EW-FL-CON | 0.052 | 0.70 | 3 | DELAYED | 34 |
| UW-CON | 0.087 | 0.70 | 3 | DELAYED | 15 |
| IW-CON | 0.518 | 0.70 | 3 | DELAYED | 6 |
| RF-CON | 0.038 | 0.70 | 3 | DELAYED | 15 |
| SLOPED-RF-CON | 0.038 | 0.70 | 3 | DELAYED | 15 |
| SLAB-ON-GRADE | 0.070 | 0.70 | 3 | QUICK | 0 |
| FL-CON | 1.020 | 0.70 | 3 | DELAYED | 4 |
| CL-CON | 0.805 | 0.70 | 3 | DELAYED | 4 |
| DR-CON | 0.700 | 0.70 | 3 | QUICK | 0 |
| LD-DR-CON | 1.500 | 0.70 | 3 | QUICK | 0 |

DOE 2.2 PS-362 SCHOOL, BRONX, NY DOE-2.2-48n 6/06/2017 16:45:22 BDL RUN 1
Base Case

REPORT- SV-A System Design Parameters for RTU-CR1 WEATHER FILE- NEW YORK LAGUARDI NY

| SYSTEM TYPE | ALTITUDE FACTOR | FLOOR AREA (SQFT ) | MAX PEOPLE | OUTSIDE AIR RATIO | COOLING CAPACITY (KBTU/HR) | SENSIBLE (SHR) | HEATING CAPACITY (KBTU/HR) | COOLING EIR (BTU/BTU) | HEATING EIR (BTU/BTU) | HEAT PUMP SUPP-HEAT (KBTU/HR) |
|---|---|---|---|---|---|---|---|---|---|---|
| VAVS | 1.000 | 157413.5 | 991. | 0.296 | 2123.977 | 0.568 | 0.000 | 0.000 | 0.000 | 0.000 |

| FAN TYPE | CAPACITY (CFM ) | DIVERSITY FACTOR (FRAC) | POWER DEMAND (KW) | FAN DELTA-T (F) | STATIC PRESSURE (IN-WATER) | TOTAL EFF (FRAC) | MECH EFF (FRAC) | FAN PLACEMENT | FAN CONTROL | MAX FAN RATIO (FRAC) | MIN FAN RATIO (FRAC) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SUPPLY | 42579. | 1.00 | 49.975 | 3.63 | 6.5 | 0.65 | 0.72 | DRAW-THRU | BY USER | 1.10 | 0.30 |
| RETURN | 42579. | 1.00 | 19.221 | 1.40 | 2.5 | 0.65 | 0.72 | RETURN | BY USER | 1.10 | 0.30 |

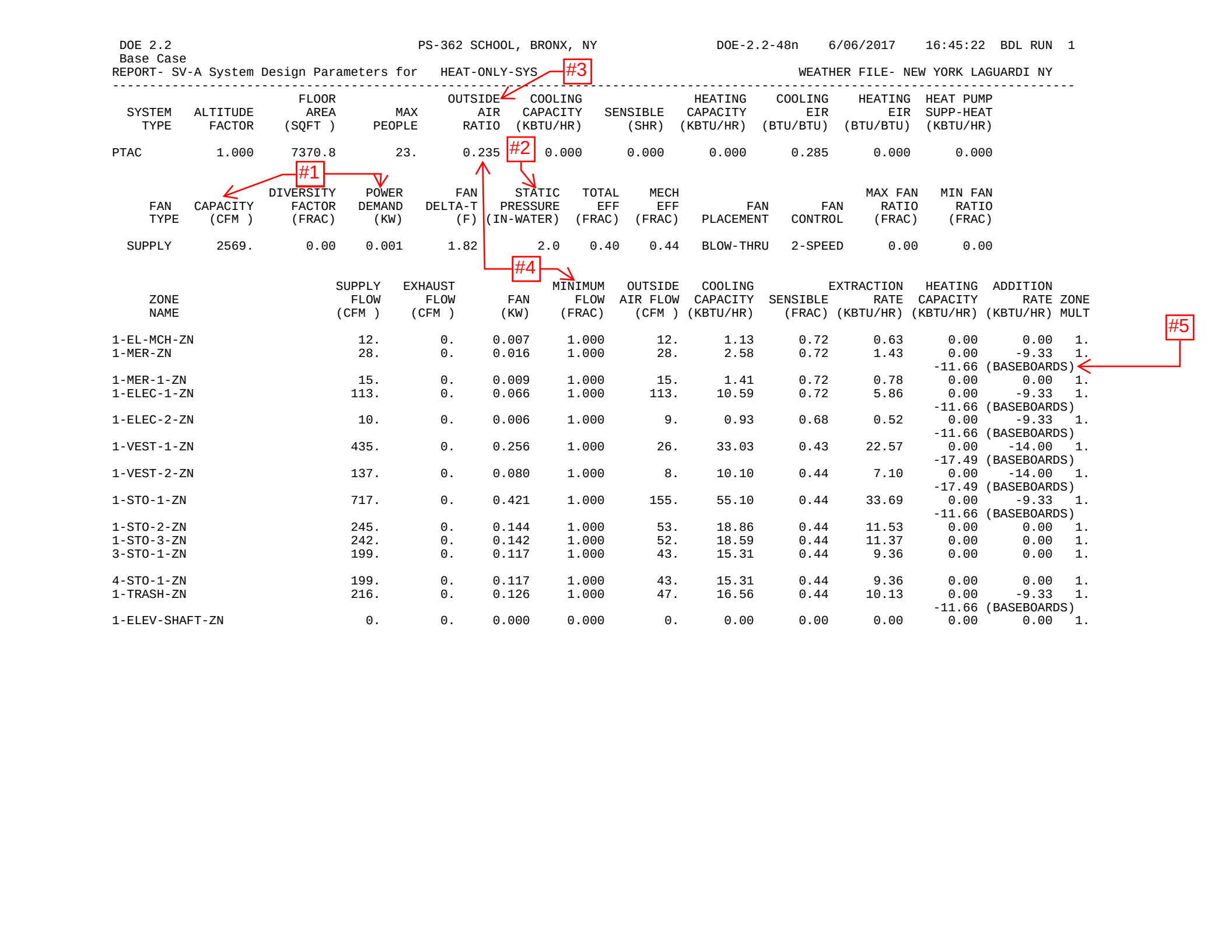
| ZONE NAME | SUPPLY FLOW (CFM ) | EXHAUST FLOW (CFM ) | FAN (KW) | MINIMUM FLOW (FRAC) | OUTSIDE AIR FLOW (CFM ) | COOLING CAPACITY (KBTU/HR) | SENSIBLE (FRAC) | EXTRACTION RATE (KBTU/HR) | HEATING CAPACITY (KBTU/HR) | ADDITION RATE (KBTU/HR) | ZONE MULT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-CWSE-CLASS-1-ZN | 949. | 0. | 0.000 | 0.300 | 268. | 0.00 | 0.00 | 20.50 | -46.12 | -34.49 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 1-CWSE-CLASS-2-ZN | 4551. | 0. | 0.000 | 0.300 | 1951. | 0.00 | 0.00 | 98.29 | -221.16 | -112.29 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 1-CWSE-CLASS-3-ZN | 1230. | 0. | 0.000 | 0.300 | 400. | 0.00 | 0.00 | 26.58 | -59.79 | -40.57 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 1-AUDIO-ZN | 237. | 0. | 0.000 | 0.307 | 106. | 0.00 | 0.00 | 5.11 | -11.50 | -19.11 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 1-LIBRARY-ZN | 1947. | 0. | 0.000 | 0.300 | 149. | 0.00 | 0.00 | 42.05 | -94.62 | -65.84 | 1. |
| | | | | | | | | | -34.99 | (BASEBOARDS) | |
| 1-LIB-SUPPORT-ZN | 312. | 0. | 0.000 | 0.300 | 94. | 0.00 | 0.00 | 6.74 | -15.16 | -20.73 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 1-OFF-1-ZN | 392. | 0. | 0.000 | 0.300 | 39. | 0.00 | 0.00 | 8.48 | -19.07 | -17.81 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-MED-OFF-ZN | 920. | 0. | 0.000 | 0.300 | 91. | 0.00 | 0.00 | 19.87 | -44.71 | -29.20 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-CWSE-ADMIN-ZN | 707. | 0. | 0.000 | 0.300 | 70. | 0.00 | 0.00 | 15.28 | -34.37 | -24.61 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-SECURITY-ZN | 268. | 0. | 0.000 | 0.300 | 27. | 0.00 | 0.00 | 5.79 | -13.02 | -15.12 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-CWSE-STO-ZN | 18. | 0. | 0.000 | 1.000 | 18. | 0.00 | 0.00 | 0.55 | -0.85 | -5.18 | 1. |
| | | | | | | | | | -5.83 | (BASEBOARDS) | |
| 1-CORR-ZN | 6226. | 0. | 0.000 | 0.300 | 702. | 0.00 | 0.00 | 134.49 | -302.59 | -125.70 | 1. |
| | | | | | | | | | -5.83 | (BASEBOARDS) | |
| 3-CLASS-1-ZN | 921. | 0. | 0.000 | 0.300 | 293. | 0.00 | 0.00 | 19.89 | -44.75 | -33.88 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 3-CLASS-2-ZN | 2268. | 0. | 0.000 | 0.300 | 1378. | 0.00 | 0.00 | 49.00 | -110.24 | -62.99 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 3-CLASS-3-ZN | 1010. | 0. | 0.000 | 0.300 | 318. | 0.00 | 0.00 | 21.81 | -49.08 | -35.81 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 3-CLASS-4-ZN | 2174. | 0. | 0.000 | 0.300 | 1249. | 0.00 | 0.00 | 46.95 | -105.63 | -60.94 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 3-CLASS-5-ZN | 2365. | 0. | 0.000 | 0.300 | 1514. | 0.00 | 0.00 | 51.08 | -114.93 | -65.07 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 3-CLASS-6-ZN | 3338. | 0. | 0.000 | 0.300 | 1555. | 0.00 | 0.00 | 72.10 | -162.23 | -86.10 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 3-SCIENCE-LAB-ZN | 1979. | 0. | 0.000 | 0.300 | 1053. | 0.00 | 0.00 | 42.75 | -96.18 | -56.74 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 3-COMP-LAB-ZN | 752. | 0. | 0.000 | 0.300 | 307. | 0.00 | 0.00 | 16.23 | -36.53 | -30.23 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 3-OFF-1-ZN | 261. | 0. | 0.000 | 0.300 | 12. | 0.00 | 0.00 | 5.63 | -12.67 | -14.96 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |

REPORT- SV-A System Design Parameters for HEAT-ONLY-SYS WEATHER FILE- NEW YORK LAGUARDI NY

| SYSTEM TYPE | ALTITUDE FACTOR | FLOOR AREA (SQFT ) | MAX PEOPLE | OUTSIDE AIR RATIO | COOLING CAPACITY (KBTU/HR) | SENSIBLE (SHR) | HEATING CAPACITY (KBTU/HR) | COOLING EIR (BTU/BTU) | HEATING EIR (BTU/BTU) | HEAT PUMP SUPP-HEAT (KBTU/HR) |
|---|---|---|---|---|---|---|---|---|---|---|
| PTAC | 1.000 | 7370.8 | 23. | 0.235 | 0.000 | 0.000 | 0.000 | 0.285 | 0.000 | 0.000 |

| FAN TYPE | CAPACITY (CFM ) | DIVERSITY FACTOR (FRAC) | POWER DEMAND (KW) | FAN DELTA-T (F) | STATIC PRESSURE (IN-WATER) | TOTAL EFF (FRAC) | MECH EFF (FRAC) | FAN PLACEMENT | FAN CONTROL | MAX FAN RATIO (FRAC) | MIN FAN RATIO (FRAC) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SUPPLY | 2569. | 0.00 | 0.001 | 1.82 | 2.0 | 0.40 | 0.44 | BLOW-THRU | 2-SPEED | 0.00 | 0.00 |

| ZONE NAME | SUPPLY FLOW (CFM ) | EXHAUST FLOW (CFM ) | FAN (KW) | MINIMUM FLOW (FRAC) | OUTSIDE AIR FLOW (CFM ) | COOLING CAPACITY (KBTU/HR) | EXTRACTION SENSIBLE (FRAC) | EXTRACTION RATE (KBTU/HR) | HEATING CAPACITY (KBTU/HR) | ADDITION RATE (KBTU/HR) | ZONE MULT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-EL-MCH-ZN | 12. | 0. | 0.007 | 1.000 | 12. | 1.13 | 0.72 | 0.63 | 0.00 | 0.00 | 1. |
| 1-MER-ZN | 28. | 0. | 0.016 | 1.000 | 28. | 2.58 | 0.72 | 1.43 | 0.00 | -9.33 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-MER-1-ZN | 15. | 0. | 0.009 | 1.000 | 15. | 1.41 | 0.72 | 0.78 | 0.00 | 0.00 | 1. |
| 1-ELEC-1-ZN | 113. | 0. | 0.066 | 1.000 | 113. | 10.59 | 0.72 | 5.86 | 0.00 | -9.33 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-ELEC-2-ZN | 10. | 0. | 0.006 | 1.000 | 9. | 0.93 | 0.68 | 0.52 | 0.00 | -9.33 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-VEST-1-ZN | 435. | 0. | 0.256 | 1.000 | 26. | 33.03 | 0.43 | 22.57 | 0.00 | -14.00 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 1-VEST-2-ZN | 137. | 0. | 0.080 | 1.000 | 8. | 10.10 | 0.44 | 7.10 | 0.00 | -14.00 | 1. |
| | | | | | | | | | -17.49 | (BASEBOARDS) | |
| 1-STO-1-ZN | 717. | 0. | 0.421 | 1.000 | 155. | 55.10 | 0.44 | 33.69 | 0.00 | -9.33 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-STO-2-ZN | 245. | 0. | 0.144 | 1.000 | 53. | 18.86 | 0.44 | 11.53 | 0.00 | 0.00 | 1. |
| 1-STO-3-ZN | 242. | 0. | 0.142 | 1.000 | 52. | 18.59 | 0.44 | 11.37 | 0.00 | 0.00 | 1. |
| 3-STO-1-ZN | 199. | 0. | 0.117 | 1.000 | 43. | 15.31 | 0.44 | 9.36 | 0.00 | 0.00 | 1. |
| 4-STO-1-ZN | 199. | 0. | 0.117 | 1.000 | 43. | 15.31 | 0.44 | 9.36 | 0.00 | 0.00 | 1. |
| 1-TRASH-ZN | 216. | 0. | 0.126 | 1.000 | 47. | 16.56 | 0.44 | 10.13 | 0.00 | -9.33 | 1. |
| | | | | | | | | | -11.66 | (BASEBOARDS) | |
| 1-ELEV-SHAFT-ZN | 0. | 0. | 0.000 | 0.000 | 0. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1. |



REPORT- PV-A Plant Design Parameters WEATHER FILE- NEW YORK LAGUARDI NY

*** CIRCULATION LOOPS ***

| | HEATING CAPACITY (MBTU/HR) | COOLING CAPACITY (MBTU/HR) | LOOP FLOW (GAL/MIN) | TOTAL HEAD (FT) | SUPPLY UA PRODUCT (BTU/HR-F) | SUPPLY LOSS DT (F) | RETURN UA PRODUCT (BTU/HR-F) | RETURN LOSS DT (F) | LOOP VOLUME ( GAL ) | FLUID HEAT CAPACITY (BTU/LB-F) |
|---|---|---|---|---|---|---|---|---|---|---|
| PLANT-HW-LOOP-PRIM | -8.922 | 0.000 | 447.2 | 36.6 | 0.0 | 0.00 | 0.0 | 0.00 | 670.8 | 1.00 |
| DW-LOOP | -0.154 | 0.000 | 3.8 | 6.4 | 0.0 | 0.00 | 0.0 | 0.00 | 5.7 | 1.00 |
| CHW-LOOP | 0.000 | 6.566 | 1075.3 | 41.6 | 0.0 | 0.00 | 0.0 | 0.00 | 1612.9 | 1.00 |

#4 #3

*** PUMPS ***

#2

| ATTACHED TO | FLOW (GAL/MIN) | HEAD (FT) | HEAD SETPOINT (FT) | CAPACITY CONTROL | POWER (KW) | MECHANICAL EFFICIENCY (FRAC) | MOTOR EFFICIENCY (FRAC) |
|---|---|---|---|---|---|---|---|
| HW-PUMP-PRIM | 2 PUMP(s) | | | | | | |
| PLANT-HW-LOOP-PRIM<br>PRIMARY LOOP | 447.2 | 150.0 | 0.0 | VFD&STAGED | 19.639 | 0.715 | 0.900 |
| DHW-REPUMPS | 1 PUMP(s) | | | | | | |
| DW-LOOP<br>PRIMARY LOOP | 25.0 | 28.0 | 0.0 | VAR-SPEED | 0.301 | 0.625 | 0.700 |
| CHW-PUMP | 1 PUMP(s) | | | | | | |
| CHW-LOOP<br>PRIMARY LOOP | 1075.3 | 139.0 | 0.0 | VAR-SPEED | 35.390 | 0.884 | 0.900 |

#1 #3

*** PRIMARY EQUIPMENT ***

| EQUIPMENT TYPE | ATTACHED TO | RATED CAPACITY (MBTU/HR) | FLOW (GAL/MIN) | RATED EIR (FRAC) | RATED HIR (FRAC) | AUXILIARY (KW) |
|---|---|---|---|---|---|---|
| BLR-1 | | | | | | |
| HW-CONDENSING | PLANT-HW-LOOP-PRIM | -2.230 | 111.8 | 0.003 | 1.093 | 0.500 |
| BLR-2 | | | | | | |
| HW-CONDENSING | PLANT-HW-LOOP-PRIM | -2.230 | 111.8 | 0.003 | 1.093 | 0.500 |
| Chiller1 | | | | | | |
| ELEC-OPEN-REC | CHW-LOOP | 6.706 | 1093.4 | 0.370 | 0.000 | 0.000 |

*** DW-HEATERS ***

| EQUIPMENT TYPE | ATTACHED TO | CAPACITY (MBTU/HR) | FLOW (GAL/MIN) | EIR (FRAC) | HIR (FRAC) | AUXILIARY (KW) | TANK ( GAL ) | TANK UA (BTU/HR-F) |
|---|---|---|---|---|---|---|---|---|
| DHW-1 | | | | | | | | |
| GAS DW-HEATER | DW-LOOP | -0.102 | 2.5 | 0.000 | 1.220 | 0.000 | 120.0 | 6.18 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GSHP-H&C-DHW | | | | | | | | |
| ELEC DW-HEATER | DW-LOOP | -1.357 | 33.7 | 0.001 | 0.000 | 0.000 | 1900.0 | 190.00 |
| GSHP-C-DHW | | | | | | | | |
| ELEC DW-HEATER | DW-LOOP | -1.373 | 34.1 | 0.001 | 0.000 | 0.000 | 1950.0 | 195.00 |

DOE 2.2 PS-362 SCHOOL, BRONX, NY DOE-2.2-48n 6/06/2017 16:45:22 BDL RUN 1
Base Case
REPORT- PS-E Energy End-Use Summary for all Electric Meters WEATHER FILE- NEW YORK LAGUARDI NY

| | LIGHTS | TASK LIGHTS | MISC EQUIP | SPACE HEATING | SPACE COOLING | HEAT REJECT | PUMPS & AUX | VENT FANS | REFRIG DISPLAY | HT PUMP SUPPLEM | DOMEST HOT WTR | EXT USAGE | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | | | | | | |
| KWH | 26825. | 445. | 27318. | 471. | 556. | 0. | 1192. | 13171. | 0. | 0. | 67. | 103. | 70146. |
| MAX KW | 112.589 | 1.837 | 77.774 | 3.885 | 25.596 | 0.000 | 8.729 | 68.526 | 0.000 | 0.000 | 0.092 | 0.251 | 264.941 |
| DAY/HR | 9/ 9 | 3/ 9 | 3/ 9 | 3/ 8 | 3/ 7 | 0/ 0 | 23/10 | 3/ 8 | 0/ 0 | 0/ 0 | 22/ 7 | 1/ 1 | 9/ 9 |
| PEAK ENDUSE | 112.589 | 1.837 | 77.774 | 3.058 | 0.000 | 0.000 | 8.382 | 61.210 | 0.000 | 0.000 | 0.090 | 0.000 | |
| PEAK PCT | 42.5 | 0.7 | 29.4 | 1.2 | 0.0 | 0.0 | 3.2 | 23.1 | 0.0 | 0.0 | 0.0 | 0.0 | |
| FEB | | | | | | | | | | | | | |
| KWH | 24834. | 417. | 24964. | 456. | 528. | 0. | 1155. | 12414. | 0. | 0. | 60. | 86. | 64915. |
| MAX KW | 108.126 | 1.837 | 77.774 | 4.582 | 19.102 | 0.000 | 10.035 | 83.976 | 0.000 | 0.000 | 0.092 | 0.251 | 265.409 |
| DAY/HR | 28/ 9 | 1/ 9 | 1/ 9 | 6/ 8 | 16/ 7 | 0/ 0 | 6/ 9 | 6/ 8 | 0/ 0 | 0/ 0 | 6/ 2 | 1/ 1 | 6/ 9 |
| PEAK ENDUSE | 100.440 | 1.837 | 77.774 | 4.537 | 0.000 | 0.000 | 10.035 | 70.694 | 0.000 | 0.000 | 0.092 | 0.000 | |
| PEAK PCT | 37.8 | 0.7 | 29.3 | 1.7 | 0.0 | 0.0 | 3.8 | 26.6 | 0.0 | 0.0 | 0.0 | 0.0 | |
| MAR | | | | | | | | | | | | | |
| KWH | 29264. | 492. | 28248. | 341. | 1570. | 0. | 1132. | 13687. | 0. | 0. | 66. | 93. | 74893. |
| MAX KW | 112.007 | 1.837 | 77.774 | 2.366 | 33.938 | 0.000 | 8.135 | 53.548 | 0.000 | 0.000 | 0.091 | 0.251 | 261.653 |
| DAY/HR | 17/ 9 | 1/ 9 | 1/ 9 | 6/ 8 | 15/15 | 0/ 0 | 13/ 8 | 6/ 9 | 0/ 0 | 0/ 0 | 10/ 5 | 1/ 1 | 16/14 |
| PEAK ENDUSE | 99.456 | 1.837 | 75.774 | 0.499 | 27.960 | 0.000 | 5.394 | 50.644 | 0.000 | 0.000 | 0.088 | 0.000 | |
| PEAK PCT | 38.0 | 0.7 | 29.0 | 0.2 | 10.7 | 0.0 | 2.1 | 19.4 | 0.0 | 0.0 | 0.0 | 0.0 | |
| APR | | | | | | | | | | | | | |
| KWH | 25934. | 441. | 26634. | 160. | 4882. | 0. | 1078. | 12473. | 0. | 0. | 63. | 90. | 71757. |
| MAX KW | 106.655 | 1.837 | 77.774 | 1.801 | 117.014 | 0.000 | 10.494 | 54.204 | 0.000 | 0.000 | 0.090 | 0.251 | 353.087 |
| DAY/HR | 13/ 9 | 3/ 9 | 3/ 9 | 4/ 9 | 27/14 | 0/ 0 | 28/12 | 28/14 | 0/ 0 | 0/ 0 | 8/ 6 | 1/ 2 | 27/14 |
| PEAK ENDUSE | 99.376 | 1.837 | 75.774 | 0.000 | 117.014 | 0.000 | 5.349 | 53.651 | 0.000 | 0.000 | 0.086 | 0.000 | |
| PEAK PCT | 28.1 | 0.5 | 21.5 | 0.0 | 33.1 | 0.0 | 1.5 | 15.2 | 0.0 | 0.0 | 0.0 | 0.0 | |
| MAY | | | | | | | | | | | | | |
| KWH | 27930. | 476. | 27938. | 44. | 16396. | 0. | 1762. | 14960. | 0. | 0. | 65. | 87. | 89658. |
| MAX KW | 105.041 | 1.837 | 77.774 | 1.167 | 252.833 | 0.000 | 17.123 | 76.111 | 0.000 | 0.000 | 0.089 | 0.251 | 503.749 |
| DAY/HR | 8/ 9 | 1/ 9 | 1/ 9 | 2/ 8 | 23/14 | 0/ 0 | 16/14 | 16/14 | 0/ 0 | 0/ 0 | 2/ 7 | 1/ 2 | 25/14 |
| PEAK ENDUSE | 99.323 | 1.837 | 75.774 | 0.000 | 244.672 | 0.000 | 8.474 | 73.583 | 0.000 | 0.000 | 0.085 | 0.000 | |
| PEAK PCT | 19.7 | 0.4 | 15.0 | 0.0 | 48.6 | 0.0 | 1.7 | 14.6 | 0.0 | 0.0 | 0.0 | 0.0 | |
| JUN | | | | | | | | | | | | | |
| KWH | 25108. | 472. | 26514. | 0. | 31549. | 0. | 2354. | 17723. | 0. | 0. | 62. | 77. | 103859. |
| MAX KW | 105.387 | 1.837 | 77.774 | 0.000 | 356.585 | 0.000 | 17.509 | 95.348 | 0.000 | 0.000 | 0.088 | 0.251 | 626.179 |
| DAY/HR | 14/ 9 | 1/ 9 | 1/ 9 | 0/ 0 | 9/14 | 0/ 0 | 22/12 | 19/13 | 0/ 0 | 0/ 0 | 6/ 8 | 1/ 2 | 9/14 |
| PEAK ENDUSE | 99.341 | 1.837 | 74.774 | 0.000 | 356.585 | 0.000 | 10.204 | 83.353 | 0.000 | 0.000 | 0.085 | 0.000 | |
| PEAK PCT | 15.9 | 0.3 | 11.9 | 0.0 | 56.9 | 0.0 | 1.6 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | |
| JUL | | | | | | | | | | | | | |
| KWH | 21320. | 445. | 26225. | 0. | 53569. | 0. | 2014. | 19719. | 0. | 0. | 64. | 84. | 123441. |
| MAX KW | 103.771 | 1.837 | 76.274 | 0.000 | 433.827 | 0.000 | 17.509 | 107.753 | 0.000 | 0.000 | 0.087 | 0.251 | 710.619 |
| DAY/HR | 18/10 | 3/ 9 | 3/ 9 | 0/ 0 | 13/14 | 0/ 0 | 18/12 | 10/12 | 0/ 0 | 0/ 0 | 11/ 6 | 1/ 2 | 13/14 |
| PEAK ENDUSE | 94.383 | 1.837 | 74.774 | 0.000 | 433.827 | 0.000 | 10.877 | 94.836 | 0.000 | 0.000 | 0.084 | 0.000 | |
| PEAK PCT | 13.3 | 0.3 | 10.5 | 0.0 | 61.0 | 0.0 | 1.5 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | |
| AUG | | | | | | | | | | | | | |
| KWH | 23463. | 492. | 26994. | 0. | 48432. | 0. | 2300. | 20803. | 0. | 0. | 64. | 92. | 122639. |
| MAX KW | 102.411 | 1.837 | 76.274 | 0.000 | 399.155 | 0.000 | 17.509 | 103.475 | 0.000 | 0.000 | 0.087 | 0.251 | 683.108 |
| DAY/HR | 14/10 | 1/ 9 | 1/ 9 | 0/ 0 | 25/14 | 0/ 0 | 17/14 | 28/14 | 0/ 0 | 0/ 0 | 19/ 6 | 1/ 2 | 25/14 |
| PEAK ENDUSE | 94.326 | 1.837 | 74.774 | 0.000 | 399.155 | 0.000 | 11.385 | 101.546 | 0.000 | 0.000 | 0.084 | 0.000 | |
| PEAK PCT | 13.8 | 0.3 | 10.9 | 0.0 | 58.4 | 0.0 | 1.7 | 14.9 | 0.0 | 0.0 | 0.0 | 0.0 | |

REPORT- PS-E Energy End-Use Summary for all Electric Meters WEATHER FILE- NEW YORK LAGUARDI NY
(CONTINUED)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | | | | |
| KWH | 25460. | 441. | 26370. | 0. | 26567. | 0. | 2553. | 17393. | 0. | 0. | 62. | 90. | 98937. |
| MAX KW | 108.633 | 1.837 | 77.774 | 0.000 | 246.360 | 0.000 | 17.509 | 97.470 | 0.000 | 0.000 | 0.088 | 0.251 | 517.871 |
| DAY/HR | 14/ 9 | 1/ 9 | 21/ 9 | 0/ 0 | 13/14 | 0/ 0 | 5/12 | 11/14 | 0/ 0 | 0/ 0 | 30/24 | 1/ 2 | 13/14 |
| PEAK ENDUSE | 99.418 | 1.837 | 74.774 | 0.000 | 246.360 | 0.000 | 9.429 | 85.967 | 0.000 | 0.000 | 0.085 | 0.000 | |
| PEAK PCT | 19.2 | 0.4 | 14.4 | 0.0 | 47.6 | 0.0 | 1.8 | 16.6 | 0.0 | 0.0 | 0.0 | 0.0 | |
| OCT | | | | | | | | | | | | | |
| KWH | 27430. | 461. | 27625. | 86. | 13138. | 0. | 1441. | 14040. | 0. | 0. | 65. | 93. | 84379. |
| MAX KW | 112.007 | 1.837 | 77.774 | 1.431 | 155.387 | 0.000 | 13.417 | 57.503 | 0.000 | 0.000 | 0.089 | 0.251 | 395.232 |
| DAY/HR | 6/ 9 | 2/ 9 | 2/ 9 | 31/ 9 | 5/14 | 0/ 0 | 12/11 | 24/14 | 0/ 0 | 0/ 0 | 28/ 6 | 1/ 2 | 5/14 |
| PEAK ENDUSE | 99.428 | 1.837 | 75.774 | 0.000 | 155.387 | 0.000 | 6.056 | 56.665 | 0.000 | 0.000 | 0.086 | 0.000 | |
| PEAK PCT | 25.2 | 0.5 | 19.2 | 0.0 | 39.3 | 0.0 | 1.5 | 14.3 | 0.0 | 0.0 | 0.0 | 0.0 | |
| NOV | | | | | | | | | | | | | |
| KWH | 26546. | 441. | 26639. | 164. | 3502. | 0. | 1047. | 12407. | 0. | 0. | 63. | 96. | 70906. |
| MAX KW | 113.172 | 1.837 | 77.774 | 2.300 | 56.134 | 0.000 | 7.115 | 52.875 | 0.000 | 0.000 | 0.090 | 0.251 | 292.420 |
| DAY/HR | 1/ 9 | 1/ 9 | 1/ 9 | 27/ 8 | 9/12 | 0/ 0 | 27/ 9 | 7/14 | 0/ 0 | 0/ 0 | 24/ 2 | 1/ 2 | 9/14 |
| PEAK ENDUSE | 101.153 | 1.837 | 75.774 | 0.000 | 55.553 | 0.000 | 6.268 | 51.749 | 0.000 | 0.000 | 0.087 | 0.000 | |
| PEAK PCT | 34.6 | 0.6 | 25.9 | 0.0 | 19.0 | 0.0 | 2.1 | 17.7 | 0.0 | 0.0 | 0.0 | 0.0 | |
| DEC | | | | | | | | | | | | | |
| KWH | 26933. | 445. | 27198. | 379. | 550. | 0. | 1031. | 12919. | 0. | 0. | 66. | 107. | 69628. |
| MAX KW | 114.341 | 1.837 | 77.774 | 2.548 | 19.956 | 0.000 | 7.993 | 53.635 | 0.000 | 0.000 | 0.091 | 0.251 | 253.147 |
| DAY/HR | 11/ 9 | 1/ 9 | 1/ 9 | 4/ 8 | 1/ 8 | 0/ 0 | 7/ 8 | 4/ 9 | 0/ 0 | 0/ 0 | 3/ 7 | 1/ 1 | 11/ 9 |
| PEAK ENDUSE | 114.341 | 1.837 | 77.774 | 1.974 | 0.000 | 0.000 | 5.808 | 51.326 | 0.000 | 0.000 | 0.088 | 0.000 | |
| PEAK PCT | 45.2 | 0.7 | 30.7 | 0.8 | 0.0 | 0.0 | 2.3 | 20.3 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | ======= | ======= | ======= | ======= | ======= | ======= | ======= | ======= | ======= | ======= | ======= | ======= | ======== |
| KWH | 311047. | 5468. | 322667. | 2101. | 201238. | 0. | 19058. | 181710. | 0. | 0. | 768. | 1100. | 1045157. |
| MAX KW | 114.341 | 1.837 | 77.774 | 4.582 | 433.827 | 0.000 | 17.509 | 107.753 | 0.000 | 0.000 | 0.092 | 0.251 | 710.619 |
| MON/DY | 12/11 | 1/ 3 | 1/ 3 | 2/ 6 | 7/13 | 0/ 0 | 6/22 | 7/10 | 0/ 0 | 0/ 0 | 2/ 6 | 1/ 1 | 7/13 |
| PEAK ENDUSE | 94.383 | 1.837 | 74.774 | 0.000 | 433.827 | 0.000 | 10.877 | 94.836 | 0.000 | 0.000 | 0.084 | 0.000 | |
| PEAK PCT | 13.3 | 0.3 | 10.5 | 0.0 | 61.0 | 0.0 | 1.5 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | |

REPORT- PS-E Energy End-Use Summary for all Fuel Meters WEATHER FILE- NEW YORK LAGUARDI NY

| | LIGHTS | TASK LIGHTS | MISC EQUIP | SPACE HEATING | SPACE COOLING | HEAT REJECT | PUMPS & AUX | VENT FANS | REFRIG DISPLAY | HT PUMP SUPPLEM | DOMEST HOT WTR | EXT USAGE | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 279. | 0. | 0. | 1. | 0. | 0. | 0. | 60. | 0. | 341. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 4.9 |
| DAY/HR | 0/ 0 | 0/ 0 | 1/ 1 | 3/ 8 | 0/ 0 | 0/ 0 | 1/ 1 | 0/ 0 | 0/ 0 | 0/ 0 | 1/12 | 0/ 0 | 3/ 8 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.0 | 97.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 0.0 | |
| FEB | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 283. | 0. | 0. | 1. | 0. | 0. | 0. | 58. | 0. | 342. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 5.4 |
| DAY/HR | 0/ 0 | 0/ 0 | 4/ 1 | 6/ 8 | 0/ 0 | 0/ 0 | 1/ 1 | 0/ 0 | 0/ 0 | 0/ 0 | 1/ 8 | 0/ 0 | 6/ 8 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.0 | 97.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | |
| MAR | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 136. | 0. | 0. | 1. | 0. | 0. | 0. | 64. | 0. | 202. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 3.0 |
| DAY/HR | 0/ 0 | 0/ 0 | 4/ 1 | 6/ 8 | 0/ 0 | 0/ 0 | 1/ 1 | 0/ 0 | 0/ 0 | 0/ 0 | 1/ 8 | 0/ 0 | 6/ 8 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.0 | 95.8 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 4.1 | 0.0 | |
| APR | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 46. | 0. | 0. | 1. | 0. | 0. | 0. | 60. | 0. | 107. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.9 |
| DAY/HR | 0/ 0 | 0/ 0 | 1/ 2 | 4/ 9 | 0/ 0 | 0/ 0 | 1/ 2 | 0/ 0 | 0/ 0 | 0/ 0 | 1/ 8 | 0/ 0 | 4/ 9 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.2 | 87.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 0.0 | |
| MAY | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 12. | 0. | 0. | 0. | 0. | 0. | 0. | 56. | 0. | 69. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 |
| DAY/HR | 0/ 0 | 0/ 0 | 5/ 1 | 2/ 8 | 0/ 0 | 0/ 0 | 1/ 2 | 0/ 0 | 0/ 0 | 0/ 0 | 1/12 | 0/ 0 | 2/ 8 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.3 | 73.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.3 | 0.0 | |
| JUN | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47. | 0. | 48. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| DAY/HR | 0/ 0 | 0/ 0 | 2/ 1 | 0/ 0 | 0/ 0 | 0/ 0 | 1/ 4 | 0/ 0 | 0/ 0 | 0/ 0 | 1/13 | 0/ 0 | 3/13 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 98.1 | 0.0 | |
| JUL | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43. | 0. | 44. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| DAY/HR | 0/ 0 | 0/ 0 | 1/ 2 | 0/ 0 | 0/ 0 | 0/ 0 | 0/ 0 | 0/ 0 | 0/ 0 | 0/ 0 | 15/13 | 0/ 0 | 15/13 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 97.9 | 0.0 | |
| AUG | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40. | 0. | 41. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| DAY/HR | 0/ 0 | 0/ 0 | 4/ 1 | 0/ 0 | 0/ 0 | 0/ 0 | 0/ 0 | 0/ 0 | 0/ 0 | 0/ 0 | 19/13 | 0/ 0 | 19/13 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 97.7 | 0.0 | |

REPORT- PS-E Energy End-Use Summary for all Fuel Meters WEATHER FILE- NEW YORK LAGUARDI NY
(CONTINUED)

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38. | 0. | 39. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| DAY/HR | 0/ 0 | 0/ 0 | 1/ 1 | 0/ 0 | 0/ 0 | 0/ 0 | 29/ 7 | 0/ 0 | 0/ 0 | 0/ 0 | 30/13 | 0/ 0 | 30/13 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 96.2 | 0.0 | |
| OCT | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 24. | 0. | 0. | 0. | 0. | 0. | 0. | 42. | 0. | 67. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.5 |
| DAY/HR | 0/ 0 | 0/ 0 | 1/ 2 | 31/ 9 | 0/ 0 | 0/ 0 | 1/ 2 | 0/ 0 | 0/ 0 | 0/ 0 | 28/13 | 0/ 0 | 31/ 9 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.3 | 84.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | 0.0 | |
| NOV | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 59. | 0. | 0. | 1. | 0. | 0. | 0. | 46. | 0. | 107. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 2.9 |
| DAY/HR | 0/ 0 | 0/ 0 | 3/ 1 | 27/ 8 | 0/ 0 | 0/ 0 | 1/ 6 | 0/ 0 | 0/ 0 | 0/ 0 | 27/13 | 0/ 0 | 27/ 8 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.0 | 96.5 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | |
| DEC | | | | | | | | | | | | | |
| MBTU | 0. | 0. | 1. | 194. | 0. | 0. | 1. | 0. | 0. | 0. | 54. | 0. | 251. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 3.4 |
| DAY/HR | 0/ 0 | 0/ 0 | 2/ 1 | 4/ 8 | 0/ 0 | 0/ 0 | 1/ 1 | 0/ 0 | 0/ 0 | 0/ 0 | 1/12 | 0/ 0 | 4/ 8 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.0 | 96.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 | |
| MBTU | 0. | 0. | 10. | 1032. | 0. | 0. | 6. | 0. | 0. | 0. | 610. | 0. | 1659. |
| MAX MBTU/HR | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 5.4 |
| MON/DY | 0/ 0 | 0/ 0 | 1/ 1 | 2/ 6 | 0/ 0 | 0/ 0 | 1/ 1 | 0/ 0 | 0/ 0 | 0/ 0 | 1/ 1 | 0/ 0 | 2/ 6 |
| PEAK ENDUSE | 0.0 | 0.0 | 0.0 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | |
| PEAK PCT | 0.0 | 0.0 | 0.0 | 97.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | |