

Energy Conservation and Infrastructure

Appendix P.1

Energy Calculations

Paseo Marina

Draft EIR Technical Appendix for Energy

- Energy Calculations Summary
- Construction Equipment Fuel Usage
- Construction Vehicle Fuel Usage
- Construction Water Usage
- Operational Energy Summary
- Peak Electricity Demand

Paseo Marina - Energy Calculations

Summary of Energy Use During Construction

Project

| | , | | | | | | |
|----------------------------|------------------------|--|--|--|--|--|--|
| Electricty | | | | | | | |
| Water Consumption | 39,876 kWh | | | | | | |
| Temporary Power Equivalent | 98,482 kWh | | | | | | |
| Total: | 138,357 kWh | | | | | | |
| Gasoline | | | | | | | |
| On Road | 112,142 Gallons | | | | | | |
| Off Road | 0 | | | | | | |
| Total: | 112,142 Gallons | | | | | | |
| Diesel | | | | | | | |
| On Road | 317,707 Gallons | | | | | | |
| Off Road | 270,691 Gallons | | | | | | |
| Total: | 588,398 Gallons | | | | | | |

Summary of Energy Use During Operations

| | Baseline (Buildout) | Project Buildout no PDFs | Project with PDFs and Project Characteristics | Percent Reduction from Project Buildout no PDFs | Net (Project - Existing) |
|------------------------|------------------------|--------------------------------|---|---|-----------------------------|
| Electricity | | | | | |
| Electricity (building) | 1,643,298 | 4,577,214 | 4,086,592 kWh/year | -11% | 2,443,294 |
| Electricity (water) | 127,448 | 805,110 | 621,867 kWh/year | -23% | 494,419 |
| Electricity Total | 1,770,746 | 5,382,324 | 4,708,459 kWh/year | -13% | 2,937,713 |
| Natural Gas | 174,686 | 10,017,602 | 9,563,342 cu ft/year | -5% | 9,388,656 |
| Mobile | | | | | |
| Gasoline | 159,476 | 712,909 | 281,780 Gallons/year | -60% | 122,304 |
| Diesel | 4,884 | 21,835 | 8,630 Gallons/year | -60% | 3,746 |

| | ge During Cosnstruciton (Offroa | | | | | | |
|--------------------------|-------------------------------------|--------|--------------|--------------|------------|------------|---------------------|
| Phase Name | Off Road Equipment Type | | | | <u> </u> | • | Diesel Fuel Usage |
| Demolition | Air Compressors | 1 | 8 78 | 0.48 | 0.6 | 85 | 763.776 |
| Demolition | Concrete/Industrial Saws | 2 | 8 81 | 0.73 | 0.6 | 85 | 2412.504 |
| Demolition | Crushing/Proc. Equipment | 1 | 8 85 | 0.78 | 0.6 | 85 | 1352.52 |
| Demolition | Off-Highway Tractors | 2 | 8 124 | 0.44 | 0.6 | 85 | 2226.048 |
| Demolition Demolition | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 85 | 1400 833 |
| Demolition Demolition | Rubber Tired Loaders | 1 2 | 8 203 8 6 | 0.36 0.82 | 0.6 | 85 85 | 1490.832 200.736 |
| Demolition Demolition | Signal Boards Skid Steer Loaders | 1 | 8 65 | 0.82 | 0.6 0.6 | 85 | 490.62 |
| Demolition | Welders | 1 | 8 46 | 0.37 | 0.6 | 85 | 422.28 |
| | | 2 | 8 221 | | | | |
| Grading Building 1-3 | Bore/Drill Rigs | 1 | 8 221 | 0.5 0.56 | 0.6 | 262 262 | 13896.48 |
| Grading Building 1-3 | Cement and Mortar Mixers | 2 | 8 158 | | 0.6 | | 316.9152 |
| Grading Building 1-3 | Excavators | | | 0.38 | 0.6 | 262 | 7550.6304 |
| Grading Building 1-3 | Off-Highway Tractors | 2 | 8 84 | 0.74 | 0.6 | 262 | 7817.2416 |
| Grading Building 1-3 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 262 | 2515.2 |
| Grading Building 1-3 | Rubber Tired Loaders | 2 | 8 203 | 0.36 | 0.6 | 262 | 9190.5408 |
| Grading Building 1-3 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 262 | 618.7392 |
| Grading Building 1-3 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 262 | 1512.264 |
| Grading Building 1-3 | Welders | 2 | 8 46 | 0.45 | 0.6 | 262 | 2603.232 |
| odium Building 1 | Air Compressors | 1 | 8 78 | 0.48 | 0.6 | 173 | 1554.5088 |
| odium Building 1 | Cement and Mortar Mixers | 3 | 8 9 | 0.56 | 0.6 | 173 | 627.7824 |
| odium Building 1 | Concrete/Industrial Saws | 3 | 8 81 | 0.73 | 0.6 | 173 | 7365.2328 |
| odium Building 1 | Cranes | 1 | 8 231 | 0.29 | 0.6 | 173 | 2781.4248 |
| odium Building 1 | Forklifts | 2 | 8 89 | 0.2 | 0.6 | 173 | 1478.112 |
| odium Building 1 | Off-Highway Tractors | 3 | 8 124 | 0.44 | 0.6 | 173 | 6795.9936 |
| Podium Building 1 | Plate Compactors | 2 | 8 8 | 0.43 | 0.6 | 173 | 285.6576 |
| odium Building 1 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 173 | 1660.8 |
| odium Building 1 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 173 | 408.5568 |
| odium Building 1 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 173 | 998.556 |
| odium Building 1 | Welders | 2 | 8 46 | 0.45 | 0.6 | 173 | 1718.928 |
| odium Building 2 | Air Compressors | 1 | 8 78 | 0.48 | 0.6 | 173 | 1554.5088 |
| odium Building 2 | Cement and Mortar Mixers | 3 | 8 9 | 0.56 | 0.6 | 173 | 627.7824 |
| odium Building 2 | Concrete/Industrial Saws | 3 | 8 81 | 0.73 | 0.6 | 173 | 7365.2328 |
| odium Building 2 | Cranes | 1 | 8 231 | 0.29 | 0.6 | 173 | 2781.4248 |
| dium Building 2 | Forklifts | 2 | 8 89 | 0.2 | 0.6 | 173 | 1478.112 |
| dium Building 2 | Off-Highway Tractors | 3 | 8 124 | 0.44 | 0.6 | 173 | 6795.9936 |
| dium Building 2 | Plate Compactors | 2 | 8 8 | 0.43 | 0.6 | 173 | 285.6576 |
| dium Building 2 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 173 | 1660.8 |
| dium Building 2 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 173 | 408.5568 |
| dium Building 2 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 173 | 998.556 |
| odium Building 2 | Welders | 2 | 8 46 | 0.45 | 0.6 | 174 | 1728.864 |
| dium Building 3 | Air Compressors | 1 | 8 78 | 0.48 | 0.6 | 174 | 1563.4944 |
| odium Building 3 | Cement and Mortar Mixers | 3 | 8 9 | 0.56 | 0.6 | 174 | 631.4112 |
| odium Building 3 | Concrete/Industrial Saws | 3 | 8 81 | 0.73 | 0.6 | 174 | 7407.8064 |
| odium Building 3 | Cranes | 1 | 8 231 | 0.29 | 0.6 | 174 | 2797.5024 |
| odium Building 3 | Forklifts | 2 | 8 89 | 0.2 | 0.6 | 174 | 1486.656 |
| dium Building 3 | Off-Highway Tractors | 3 | 8 124 | 0.44 | 0.6 | 174 | 6835.2768 |
| dium Building 3 | Plate Compactors | 2 | 8 8 | 0.43 | 0.6 | 174 | 287.3088 |
| dium Building 3 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 174 | 1670.4 |
| odium Building 3 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 174 | 410.9184 |
| dium Building 3 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 174 | 1004.328 |
| odium Building 3 | Welders | 2 | 8 46 | 0.45 | 0.6 | 174 | 1728.864 |
| onstruction Building 1 | Air Compressors | 3 | 8 78 | 0.48 | 0.6 | 413 | 11133.1584 |
| onstruction Building 1 | Concrete/Industrial Saws | 1 | 8 81 | 0.73 | 0.6 | 413 | 5860.9656 |
| onstruction Building 1 | Cranes | 1 | 7 231 | 0.29 | 0.6 | 413 | 5810.0427 |
| onstruction Building 1 | Forklifts | 3 | 8 89 | 0.2 | 0.6 | 413 | 5293.008 |
| onstruction Building 1 | Off-Highway Tractors | 1 | 8 124 | 0.44 | 0.6 | 413 | 5407.9872 |
| onstruction Building 1 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 413 | 3964.8 |
| onstruction Building 1 | Rubber Tired Loaders | 1 | 8 203 | 0.36 | 0.6 | 413 | 7243.6896 |
| onstruction Building 1 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 413 | 975.3408 |
| onstruction Building 1 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 413 | 2383.836 |
| onstruction Building 1 | Welders | 2 | 8 46 | 0.45 | 0.6 | 413 | 4103.568 |
| nstruction Building 2 | Air Compressors | 3 | 8 78 | 0.48 | 0.6 | 414 | 11160.1152 |
| nstruction Building 2 | Concrete/Industrial Saws | 1 | 8 81 | 0.73 | 0.6 | 414 | 5875.1568 |
| nstruction Building 2 | Cranes | 1 | 7 231 | 0.29 | 0.6 | 414 | 5824.1106 |
| nstruction Building 2 | Forklifts | 3 | 8 89 | 0.2 | 0.6 | 414 | 5305.824 |
| nstruction Building 2 | Off-Highway Tractors | 1 | 8 124 | 0.44 | 0.6 | 414 | 5421.0816 |
| onstruction Building 2 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 414 | 3974.4 |
| onstruction Building 2 | Rubber Tired Loaders | 1 | 8 203 | 0.36 | 0.6 | 414 | 7261.2288 |
| onstruction Building 2 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 414 | 977.7024 |
| onstruction Building 2 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 414 | 2389.608 |
| onstruction Building 2 | Welders | 2 | 8 46 | 0.45 | 0.6 | 414 | 4113.504 |
| onstruction Building 3 | Air Compressors | 3 | 8 78 | 0.48 | 0.6 | 150 | 4043.52 |
| onstruction Building 3 | Concrete/Industrial Saws | 1 | 8 81 | 0.73 | 0.6 | 150 | 2128.68 |
| onstruction Building 3 | Cranes | 1 | 7 231 | 0.29 | 0.6 | 150 | 2110.185 |
| onstruction Building 3 | Forklifts | 3 | 8 89 | 0.2 | 0.6 | 150 | 1922.4 |
| Construction Building 3 | Off-Highway Tractors | 1 | 8 124 | 0.44 | 0.6 | 150 | 1964.16 |
| - | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 150 | 1440 |
| onstruction Building 3 | | | | | | | |

| Construction Building 3 | Rubber Tired Loaders | 1 | 8 203 | 0.36 | 0.6 | 150 | 2630.88 | |
|-------------------------------------|--|--------|--------------|----------------|-------------------------|----------|------------------------|-----------|
| Construction Building 3 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 150 | 354.24 | |
| Construction Building 3 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 150 | 865.8 | |
| Construction Building 3 | Welders | 2 | 8 46 | 0.45 | 0.6 | 150 | 1490.4 | |
| Paving Building 1 | Air Compressors | 2 | 8 78 | 0.48 | 0.6 | 22 | 395.3664 | |
| Paving Building 1 | Cement and Mortar Mixers | 2 | 8 9 | 0.56 | 0.6 | 22 | 53.2224 | |
| Paving Building 1 | Concrete/Industrial Saws | 1 | 8 81 | 0.73 | 0.6 | 22 | 312.2064 | |
| Paving Building 1 | Forklifts | 2 | 8 89 | 0.2 | 0.6 | 22 | 187.968 | |
| Paving Building 1 | Pavers | 1 | 8 130 | 0.42 | 0.6 | 22 | 288.288 | |
| Paving Building 1 | Paving Equipment | 1 | 8 132 | 0.36 | 0.6 | 22 | 250.9056 | |
| Paving Building 1 | Plate Compactors | 2 | 8 8 | 0.43 | 0.6 | 22 | 36.3264 | |
| Paving Building 1 | Rollers | 1 | 8 80 | 0.38 | 0.6 | 22 | 160.512 | |
| Paving Building 1 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 22 | 211.2 | |
| Paving Building 1 | Rubber Tired Loaders | 1 | 8 203 | 0.36 | 0.6 | 22 | 385.8624 | |
| Paving Building 1 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 22 | 51.9552 | |
| Paving Building 1 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 22 | 126.984 | |
| Paving Building 1 | Trenchers | 1 | 8 78 | 0.5 | 0.6 | 22 | 205.92 | |
| Paving Building 1 | Welders | 1 | 8 46 | 0.45 | 0.6 | 22 | 109.296 | |
| Paving Building 2 | Air Compressors | 2 | 8 78 | 0.48 | 0.6 | 43 | 772.7616 | |
| Paving Building 2 | Cement and Mortar Mixers | 2 | 8 9 | 0.56 | 0.6 | 43 | 104.0256 | |
| Paving Building 2 | Concrete/Industrial Saws | 1 | 8 81 | 0.73 | 0.6 | 43 | 610.2216 | |
| Paving Building 2 | Forklifts | 2 | 8 89 | 0.2 | 0.6 | 43 | 367.392 | |
| Paving Building 2 | Pavers | 1 | 8 130 | 0.42 | 0.6 | 43 | 563.472 | |
| Paving Building 2 | Paving Equipment | 1 | 8 132 | 0.36 | 0.6 | 43 | 490.4064 | |
| Paving Building 2 | Plate Compactors | 2 | 8 8 | 0.43 | 0.6 | 43 | 71.0016 | |
| Paving Building 2 | Rollers | 1 | 8 80 | 0.38 | 0.6 | 43 | 313.728 | |
| Paving Building 2 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 43 | 412.8 | |
| Paving Building 2 | Rubber Tired Loaders | 1 | 8 203 | 0.36 | 0.6 | 43 | 754.1856 | |
| Paving Building 2 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 43 | 101.5488 | |
| Paving Building 2 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 43 | 248.196 | |
| Paving Building 2 | Trenchers | 1 | 8 78 | 0.5 | 0.6 | 43 | 402.48 | |
| Paving Building 2 | Welders | 1 2 | 8 46 8 78 | 0.45 | 0.6 0.6 | 43 45 | 213.624 808.704 | |
| Paving Building 3 Paving Building 3 | Air Compressors Cement and Mortar Mixers | 2 | 8 /8 8 9 | 0.48 0.56 | 0.6 | 45 45 | 108.864 | |
| Paving Building 3 | Concrete/Industrial Saws | 1 | 8 81 | 0.36 | 0.6 | 45 45 | 638.604 | |
| Paving Building 3 | Forklifts | 2 | 8 89 | 0.73 | 0.6 | 45 | 384.48 | |
| Paving Building 3 | Pavers | 1 | 8 130 | 0.42 | 0.6 | 45 | 589.68 | |
| Paving Building 3 | Paving Equipment | 1 | 8 132 | 0.36 | 0.6 | 45 | 513.216 | |
| Paving Building 3 | Plate Compactors | 2 | 8 8 | 0.43 | 0.6 | 45 | 74.304 | |
| Paving Building 3 | Rollers | 1 | 8 80 | 0.38 | 0.6 | 45 | 328.32 | |
| Paving Building 3 | Rough Terrain Forklifts | 1 | 8 100 | 0.4 | 0.6 | 45 | 432 | |
| Paving Building 3 | Rubber Tired Loaders | 1 | 8 203 | 0.36 | 0.6 | 45 | 789.264 | |
| Paving Building 3 | Signal Boards | 2 | 8 6 | 0.82 | 0.6 | 45 | 106.272 | |
| Paving Building 3 | Skid Steer Loaders | 1 | 8 65 | 0.37 | 0.6 | 45 | 259.74 | |
| Paving Building 3 | Trenchers | 1 | 8 78 | 0.5 | 0.6 | 45 | 421.2 | |
| Paving Building 3 | Welders | 1 | 8 46 | 0.45 | 0.6 | 45 | 223.56 | |
| | | | Total Diese | l Usage for Co | nstruction (Offroad Equ | ipment): | 270,691 gallons of die | esel fuel |

gallons of diesel fuel per horsepower-hour=

0.05

Notes: Equipment assumptions are provide in the CalEEMod output files and fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

EMFAC2014 Emissions Inventory Region Type: Air Basin Region: South Coast

Calendar Year:

2020

Season: Annual Vehicle Classification: EMFAC2011 Categories

| Region | Veh_Class | Fuel | Speed | Population | VMT | Trips | Fuel_Gas | Fuel_DSL | Miles per Gallon |
|---|------------------------|------|------------|------------|-------------|-------------|--------------------|--------------------|------------------|
| | | | (miles/hr) | (vehicles) | (miles/day) | (trips/day) | (1000 gallons/day) | (1000 gallons/day) | |
| South Coast | LDA | GAS | Aggregate | 6057423.59 | 209765905.1 | 38222995.08 | 7586.347458 | 0 | 27.7 |
| South Coast | LDT1 | GAS | Aggregate | 513376.136 | 17335871.67 | 3118562.249 | 746.5340341 | 0 | 23.2 |
| South Coast | LDT2 | GAS | Aggregate | 2127118.46 | 79246264.35 | 13460775.55 | 3828.123041 | 0 | 20.7 |
| Construction Worker Trip (Composite LDA/LDT1/LDT2): | | | | | | | | | 24.8 |
| South Coast | T7 tractor costruction | DSL | Aggregate | 3315.44367 | 297497.7758 | 0 | 0 | 49.06718655 | 6.1 |

Notes: Consistent with CalEEMod, a construction worker trip is assumed to be a composite of 50% LDA, 25% for LDT1, and 25% for LDT2. Used EMFAC 2011 Categories for construction as EMFAC2011 has specific categories for vehicle class T7.

Calculation of Gasoline and Diesel Usage During Construction (Onroad Vehicles):

| Phase Name | Daily Woker Trips | Daily \ | Vendor Trips | Days | Total Worker Trips | Total Vendor Trips | Total Haul Trips | Trip Len | gth (miles) | | Tota | l Length (m | iles) | Avg. Daily Factor | Gallons | of Fuel |
|-------------------------|-------------------|---------|--------------|------|--------------------|--------------------|------------------|----------|-------------|------|----------|-------------|---------|---------------------|----------|----------|
| | | | | | | | | Worker | Vendor | Haul | Worker | Vendor | Haul | (worker and vendor) | Gasoline | Diesel |
| Demolition | 50 |) | 4 | 85 | 4250 | 340 | 5100 | 14.7 | 6.9 | 40.4 | 62475 | 2346 | 206040 | 0.6 | 1511.13 | 34214.95 |
| Grading Building 1-3 | 185 | 5 | 4 | 262 | 48470 | 1048 | 31429 | 14.7 | 6.9 | 40.4 | 712509 | 7231.2 | 1269732 | 0.6 | 17233.99 | 210136.2 |
| Podium Building 1 | 75 | 5 | 70 | 173 | 12975 | 12110 | 0 | 14.7 | 6.9 | 20 | 190732.5 | 83559 | 0 | 0.6 | 4613.39 | 8268.98 |
| Podium Building 2 | 75 | 5 | 70 | 173 | 12975 | 12110 | 0 | 14.7 | 6.9 | 20 | 190732.5 | 83559 | 0 | 0.6 | 4613.39 | 8268.98 |
| Podium Building 3 | 75 | 5 | 70 | 174 | 13050 | 12180 | 0 | 14.7 | 6.9 | 20 | 191835 | 84042 | 0 | 0.6 | 4640.057 | 8316.777 |
| Construction Building 1 | 225 | 5 | 70 | 413 | 92925 | 28910 | 0 | 14.7 | 6.9 | 20 | 1365998 | 199479 | 0 | 0.6 | 33040.41 | 19740.4 |
| Construction Building 2 | 225 | 5 | 70 | 414 | 93150 | 28980 | 0 | 14.7 | 6.9 | 20 | 1369305 | 199962 | 0 | 0.6 | 33120.41 | 19788.19 |
| Architectural Coating | C |) | 0 | 260 | 0 | 0 | 0 | 14.7 | 6.9 | 20 | 0 | 0 | 0 | 0.6 | 0 | C |
| Construction Building 3 | 225 | 5 | 70 | 150 | 33750 | 10500 | 0 | 14.7 | 6.9 | 20 | 496125 | 72450 | 0 | 0.6 | 12000.15 | 7169.635 |
| Paving Building 1 | 35 | 5 | 24 | 22 | 770 | 528 | 0 | 14.7 | 6.9 | 20 | 11319 | 3643.2 | 0 | 0.6 | 273.7811 | 360.5302 |
| Paving Building 2 | 35 | 5 | 24 | 43 | 1505 | 1032 | 0 | 14.7 | 6.9 | 20 | 22123.5 | 7120.8 | 0 | 0.6 | 535.1177 | 704.6727 |
| Paving Building 3 | 35 | 5 | 24 | 45 | 1575 | 1080 | 0 | 14.7 | 6.9 | 20 | 23152.5 | 7452 | 0 | 0.6 | 560.0069 | 737.4482 |
| | | | | | | | | | | | | | | Total: | 112.142 | 317.707 |

Worker Miles per gallon= 24.81 gasoline Vedor/Haul miles per gallon= 6.06 diesel

Notes: Consistent with CalEEMod worker vehicles are assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy Duty Trucks (T7)

Water Usage for Control of Fugitive Dust during Construction:

| Phase | Days | Average Daily Acerage Distrubed | Gallons Per Year | Electricity (kWhr) |
|-------------------------|------|---------------------------------|-------------------------|--------------------|
| Demolition | 85 | 0 | 0 | 0 |
| Grading Building 1-3 | 262 | 4.55 | 3,596,186 | 34,980 |
| Podium Building 1 | 173 | 0 | 0 | 0 |
| Podium Building 2 | 173 | 0 | 0 | 0 |
| Podium Building 3 | 174 | 0 | 0 | 0 |
| Construction Building 1 | 413 | 0 | 0 | 0 |
| Construction Building 2 | 414 | 0 | 0 | 0 |
| Architectural Coating | 260 | 0 | 0 | 0 |
| Construction Building 3 | 150 | 0 | 0 | 0 |
| Paving Building 1 | 22 | 1.5 | 100,657 | 979 |
| Paving Building 2 | 43 | 1.5 | 196,738 | 1,914 |
| Paving Building 3 | 45 | 1.5 | 205,889 | 2,003 |
| | | Total: | 4,099,469 | 39,876 |

Water application rate= 3020 gal/acre/day kWhr equivalent= 0.00973 kWhr

Notes: 1) Gallons per year of water usage for dust control is calculated based on a minimum control efficiency of 66% (three times daily) with an application rate of 3,020 gal/acre/day (Air & Waste Management Association Air Pollution Engineering Manual (1992 Edition)) and average of 26 construction days per month.

2) CalEEMod Default: Each gallon of delivered potable water in Southern California is associated with 0.009727 kWhr of electricity).

Temporary Power (lighting, tools) During Construction:

Caterpillar 40-C4.4 Generator^a

| Peak Power Rating - Prime (kW) | 36 |
|--|-----------------------|
| Typical Load | 70% |
| Average Output (kW) | 25.2 |
| Hours per Day | 4 |
| Average Daily Output (kWh) | 100.8 |
| Building Construction Phase Durati Total Construction (kWh) Total Construction (MWh) | 977 98,482 98.5 |

^ahttps://www.albancat.com/content/uploads/2014/06/40-C4.4-Spec-Sheet.pdf

EMFAC2014 Emissions Inventory

Region Type: Air Basin
Region: South Coast
Calendar Year: 2023
Season: Annual
Vehicle Classification: EMFAC2011 Categories

| Region | CalYr Seaso | n Veh_Class | Fuel | MdYr | Speed | Population | VMT | Trips | Fuel_Gas | Fuel_DSL | | |
|-------------|-------------|-------------|------|------------|------------|-------------|----------------|-------------|--------------------|--------------------|------|------------------|
| | | | | | (miles/hr) | (vehicles) | (miles/day) | (trips/day) | (1000 gallons/day) | (1000 gallons/day) | | |
| South Coast | 2023 Annua | I LDA | GAS | Aggregated | Aggregated | 6264982.16 | 209913843.8 | 39567465 | 6950.725188 | 0 | | |
| South Coast | 2023 Annua | I LDA | DSL | Aggregated | Aggregated | 68231.2764 | 2395771.457 | 427576.6 | 0 | 59.47674109 | | |
| South Coast | 2023 Annua | I LDT1 | GAS | Aggregated | Aggregated | 524963.824 | 17443322.44 | 3198449.4 | 685.9808977 | 0 | | |
| South Coast | 2023 Annua | I LDT1 | DSL | Aggregated | Aggregated | 566.917344 | 15079.56095 | 2949.351 | . 0 | 0.530284268 | | |
| South Coast | 2023 Annua | I LDT2 | GAS | Aggregated | Aggregated | 2280873.15 | 82643235.78 | 14458786 | 3602.056455 | 0 | | |
| South Coast | 2023 Annua | I LDT2 | DSL | Aggregated | Aggregated | 4457.65336 | 169032.7022 | 28615.437 | 0 | 5.518573443 | | |
| South Coast | 2023 Annua | I LHD1 | GAS | Aggregated | Aggregated | 101835.847 | 2836538.916 | 1517202.4 | 256.8877602 | 0 | | |
| South Coast | 2023 Annua | I LHD1 | DSL | Aggregated | Aggregated | 96131.4384 | 3321303.353 | 1209212.6 | 0 | 158.9216856 | | |
| South Coast | 2023 Annua | I LHD2 | GAS | Aggregated | Aggregated | 23131.973 | 792817.5726 | 344631.93 | 76.60380604 | . 0 | | |
| South Coast | 2023 Annua | I LHD2 | DSL | Aggregated | Aggregated | 42055.0468 | 1595083.718 | 528999.58 | 0 | 83.03195225 | | |
| South Coast | 2023 Annua | I MCY | GAS | Aggregated | Aggregated | 308501.647 | 1969480.034 | 616941.59 | 56.14954463 | 0 | | |
| South Coast | 2023 Annua | I MDV | GAS | Aggregated | Aggregated | 1435217.69 | 46739844.42 | 8932873.6 | 2782.188459 | 0 | | |
| South Coast | 2023 Annua | I MDV | DSL | Aggregated | Aggregated | 27835.2241 | 1018901.6 | 178160.76 | 0 | 43.0452531 | | |
| South Coast | 2023 Annua | I MH | GAS | Aggregated | Aggregated | 34406.2524 | 277627.0723 | 3442.0015 | 37.20200301 | . 0 | | |
| South Coast | 2023 Annua | I MH | DSL | Aggregated | Aggregated | 9347.50271 | 77260.38527 | 934.75027 | 0 | 7.498703852 | | |
| South Coast | 2023 Annua | I OBUS | GAS | Aggregated | Aggregated | 8907.14328 | 391252.705 | 178214.12 | 53.8881013 | 0 | | |
| South Coast | 2023 Annua | I SBUS | GAS | Aggregated | Aggregated | 2552.0065 | 93077.74203 | 10208.026 | 8.137394815 | 0 | | |
| South Coast | 2023 Annua | I T6TS | GAS | Aggregated | Aggregated | 19258.4987 | 928087.5087 | 385324.04 | 130.9319991 | . 0 | | |
| South Coast | 2023 Annua | I T7IS | GAS | Aggregated | Aggregated | 845.222589 | 107869.2013 | 16911.214 | 22.32171747 | 0 | | |
| South Coast | 2023 Annua | I UBUS | GAS | Aggregated | Aggregated | 2458.62325 | 269036.4331 | 9834.493 | 53.0431744 | . 0 | | |
| South Coast | 2023 Annua | I UBUS | DSL | Aggregated | Aggregated | 4123.34193 | 453343.6808 | 16493.368 | 0 | 92.69912806 | | |
| | | | | | | | | | | | MPG | Gallons Per Mile |
| | | | | | | Totals | 373,451,810.08 | | 14,716.12 | 450.72 | 24.6 | 0.0 |
| | | | | | | Total (GAS) | 364,406,033.63 | 0.98 | | | 24.8 | 0.0 |
| | | | | | | Total (DSL) | 9,045,776.46 | 0.02 | | | 20.1 | 0.0 |

Paseo Marina - Baseline (Buildout) Los Angeles-South Coast County, Annual

Land Use Details

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------|-----------|---------|-------------|--------------------|------------|
| Parking Lot | 99.00 Sp | oace | 0.89 | 396,000.00 | 0 |
| Strip Mall | 100.78 10 | 000sqft | 2.31 | 100,780.00 | 0 |

Trip Summary Information

| Land Uses | | Averd | age Daily Trip | Rate | Mitigated |
|-------------|-------|-------------------------|----------------|----------|-----------|
| | | Weekday Saturday Sunday | | | |
| Parking Lot | | 0.00 | 0.00 | 0.00 | 0 |
| Strip Mall | | 4,304.31 | 4,082.60 | 1,983.35 | 4,047,044 |
| | Total | 4,304.31 | 4,047,044 | | |

Mitigated Gasoline and Diesel Usage

| | Gasoline | Diesel |
|------------------|----------|--------|
| Miles/Gallon | 24.8 | 20.1 |
| % Fleet Mix | 97.6% | 2.4% |
| Total (Gallons): | 159,476 | 4,884 |

Energy by Land Use - Natural Gas

| Land Uses | kBTU/yr | cu ft/year |
|-------------|----------------------|------------|
| Parking Lot | C | 0 |
| Strip Mall | 183,420 | 174,686 |
| | Total 183,420 | 174,686 |

Energy by Land Use - Electricity

| Strip Ividii | Total | 1,643,298 |
|--------------|-------|-----------|
| Strip Mall | | 1,608,450 |
| Parking Lot | | 34,848 |
| Land Uses | | kWH/yr |

Water Detail (Unmitigated)

| | | | Outdoor | Electricity |
|-------------|-------|------------|---------|-------------|
| | | Indoor Use | Use | Use |
| Land Uses | | (Mgal) | (Mgal) | (kWh/yr) |
| Parking Lot | | 0 | 0 | 0 |
| Strip Mall | | 7.47 | 4.58 | 127,448 |
| | Total | 7.47 | 4.58 | 127,448 |

Notes: Indoor water results in 0.0111 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.009727 kWhr of electricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod).

Paseo Marina - Project Buildout with no PDFs Los Angeles-South Coast County, Annual

Land Use Details

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------------------|--------|---------------|-------------|--------------------|------------|
| Enclosed Parking with Elevator | 609.00 | Space | 5.48 | 243,600.00 | 0 |
| Unenclosed Parking with Elevator | 608.00 | Space | 5.47 | 243,200.00 | 0 |
| High Turnover (Sit Down Restaurant) | 13.65 | 1000sqft | 0.31 | 13,650.00 | 0 |
| Apartment Mid Rise | 658.00 | Dwelling Unit | 17.32 | 647,029.00 | 1882 |
| Strip Mall | 13.65 | 1000sqft | 0.31 | 13,650.00 | 0 |

Trip Summary Information

| Land Uses | | Average Daily Trip Rate | | | | Unmitigated |
|-------------------------------------|-------|-------------------------|----------|-------|----------|-------------|
| | l | Neekday | Saturday | Si | unday | |
| Enclosed Parking with Elevator | | 0.00 | | 0.00 | 0.00 | 0 |
| Unenclosed Parking with Elevator | | 0.00 | | 0.00 | 0.00 | 0 |
| High Turnover (Sit Down Restaurant) | | 1,735.60 | 2,16 | 51.75 | 1,799.62 | 2,460,757 |
| Apartment Mid Rise | | 4,375.70 | 4,20 | 04.62 | 3,855.88 | 14,615,159 |
| Strip Mall | | 582.99 | 55 | 52.96 | 268.77 | 1,015,629 |
| | Total | 6,694.29 | 6,91 | 19.33 | 5,924.27 | 18,091,545 |

Unmitigated Gasoline and Diesel Usage

| | Gasoline | Diesel |
|------------------|----------|--------|
| Miles/Gallon | 24.8 | 20.1 |
| % Fleet Mix | 97.6% | 2.4% |
| Total (Gallons): | 712,909 | 21,835 |

Energy by Land Use - Natural Gas (Unmitigated)

| Land Uses | | kBTU/yr | cu ft/year |
|-------------------------------------|-------|------------|------------|
| Enclosed Parking with Elevator | | 0 | 0 |
| Unenclosed Parking with Elevator | | 0 | 0 |
| High Turnover (Sit Down Restaurant) | | 3,152,740 | 3,002,610 |
| Apartment Mid Rise | | 7,343,220 | 6,993,543 |
| Strip Mall | | 22,523 | 21,450 |
| | Total | 10.518.483 | 10.017.602 |

Energy by Land Use - Electricity (Unmitigated)

| Land Uses | | kWH/yr |
|-------------------------------------|-------|-----------|
| Enclosed Parking with Elevator | | 577,332 |
| Unenclosed Parking with Elevator | | 471,808 |
| High Turnover (Sit Down Restaurant) | | 605,651 |
| Apartment Mid Rise | | 2,736,100 |
| Strip Mall | | 186,323 |
| | Total | 4,577,214 |

Water Detail (Unmitigated)

| | | Indoor Use | Outdoor Use | Electricity Use |
|-------------------------------------|-------|------------|-------------|-----------------|
| Land Uses | | (Mgal) | (Mgal) | (kWh/yr) |
| Enclosed Parking with Elevator | | 0.00 | 0.00 | 0 |
| Unenclosed Parking with Elevator | | 0.00 | 0.00 | 0 |
| High Turnover (Sit Down Restaurant) | | 4.14 | 0.26 | 48,608 |
| Apartment Mid Rise | | 42.87 | 27.03 | 739,240 |
| Strip Mall | | 1.01 | 0.62 | 17,262 |
| | Total | 48.03 | 27.91 | 805,110 |

Notes: Indoor water results in 0.0111 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.009727 kWhr of electricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod).

Paseo Marina - Project Operations Los Angeles-South Coast County, Annual

Land Use Details

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------------------|-------|---------------|-------------|--------------------|------------|
| Enclosed Parking with Elevator | 609 | Space | 5.48 | 243600 | 0 |
| Unenclosed Parking with Elevator | 608 | Space | 5.47 | 243200 | 0 |
| High Turnover (Sit Down Restaurant) | 13.65 | 1000sqft | 0.31 | 13650 | 0 |
| Apartment Mid Rise | 658 | Dwelling Unit | 17.32 | 647029 | 1882 |
| Strip Mall | 13.65 | 1000sqft | 0.31 | 13650 | 0 |

Trip Summary Information

| Land Uses | Averd | Mitigated | | |
|-------------------------------------|----------|-----------|----------|-----------|
| | Weekday | Saturday | Sunday | |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0 |
| Unenclosed Parking with Elevator | 0.00 | 0.00 | 0.00 | 0 |
| High Turnover (Sit Down Restaurant) | 1,735.60 | 2,161.75 | 1,799.62 | 972,624 |
| Apartment Mid Rise | 4,375.70 | 4,204.62 | 3,855.88 | 5,776,698 |
| Strip Mall | 582.99 | 552.96 | 268.77 | 401,431 |
| Total | 6,694.29 | 6,919.33 | 5,924.27 | 7,150,753 |

Mitigated Gasoline and Diesel Usage

| Total (Gallons): | 281,780 | 8.630 |
|------------------|----------|--------|
| % Fleet Mix | 97.6% | 2.4% |
| Miles/Gallon | 24.8 | 20.1 |
| | Gasoline | Diesel |

Energy by Land Use - Natural Gas (Mitigated)

| Land Uses | | kBTU/yr | cu ft/year |
|-------------------------------------|-------|------------|------------|
| Enclosed Parking with Elevator | | 0 | 0 |
| Unenclosed Parking with Elevator | | 0 | 0 |
| High Turnover (Sit Down Restaurant) | | 3,093,790 | 2,946,467 |
| Apartment Mid Rise | | 6,926,780 | 6,596,933 |
| Strip Mall | | 20,939 | 19,942 |
| | Total | 10,041,509 | 9,563,342 |

Energy by Land Use - Electricity (Mitigated)

| Land Uses | | kWH/yr |
|------------------------------------|-------|-----------|
| Enclosed Parking with Elevator | | 460,282 |
| Unenclosed Parking with Elevator | | 365,408 |
| High Turnover (Sit Down Restaurant |) | 566,878 |
| Apartment Mid Rise | | 2,535,090 |
| Strip Mall | | 158,934 |
| | Total | 4,086,592 |

Water Detail (Unmitigated)

| | Indoor Use | Outdoor Use | Electricity Use |
|-------------------------------------|------------|-------------|-----------------|
| Land Uses | (Mgal) | (Mgal) | (kWh/yr) |
| Enclosed Parking with Elevator | 0.00 | 0.00 | 0 |
| Unenclosed Parking with Elevator | 0.00 | 0.00 | 0 |
| High Turnover (Sit Down Restaurant) | 3.31 | 0.21 | 38,886 |
| Apartment Mid Rise | 32.30 | 21.62 | 569,171 |
| Strip Mall | 0.81 | 0.50 | 13,810 |
| Total | 36.42 | 22.12 | 621,867 |

Notes: Indoor water results in 0.0111 kWhr of electricity usage per gallon from delivery, treatment, and distribution of water within Southern California (CalEEMod). Outdoor water results in 0.009727 kWhr of electricity usage per gallon from delivery and distribution of water within Southern California (CalEEMod).

Peak Electricity Demand Calculations

Electrical Load Factor Equation

Load Factor (%)¹

| Project Electricity Demand (Operational) | |
|--|-------|
| Annual Demand | |
| Building (MWh) | 2,443 |
| Water (MWh) | 494 |
| Total (MWh) | 2,938 |
| Average Daily Demand | |
| Building (kWh) | 6,694 |
| Water (kWh) | 1,355 |
| Total (kWh) | 8,049 |
| | |

52%

279 56 335

| Averag | ge Load | |
|--------|------------|--|
| Bui | lding (kW) | |
| Wa | ter (kW) | |
| Tot | al (kW) | |
| | | |

| Peak Load Calculation | | | |
|----------------------------|--------|--|--|
| Peak Load (kW) | 593 | | |
| Systemwide Peak Load (MWh) | 5,854 | | |
| Percent of Peak | 0.010% | | |

¹2017 Report: System Efficiency of California's Electric Grid. California Public Utilities Commission. 2017. Page 11, Figure 6. Visual estimate.

EMFAC Emission inventories for County

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County Region: Los Angeles Calendar Year: 2016 Season: Annual

| Season: Annuai | | | | | | " | 5 L 50 |
|-------------------|-------|---------------|------------|--------------|------------------|--------------------|--------------------|
| Vehicle Classific | | | _ | | | Fuel_Gasoline | Fuel_DSL |
| = | CalYr | | MdlYr | Speed | Fuel | (1000 gallons/day) | (1000 gallons/day) |
| Los Angeles | | All Other B | Aggregated | Aggregate | ec DSL | 0.00 | |
| Los Angeles | 2016 | | Aggregated | Aggregate | ec DSL | 0.00 | |
| Los Angeles | 2016 | | Aggregated | Aggregate | c DSL | 0.00 | |
| Los Angeles | 2016 | LDT2 | Aggregated | Aggregate | c DSL | 0.00 | 2.47 |
| Los Angeles | 2016 | LHD1 | Aggregated | Aggregate | c DSL | 0.00 | 82.60 |
| Los Angeles | 2016 | LHD2 | Aggregated | Aggregate | c DSL | 0.00 | 41.79 |
| Los Angeles | 2016 | MDV | Aggregated | Aggregate | c DSL | 0.00 | 18.19 |
| Los Angeles | 2016 | MH | Aggregated | Aggregate | c DSL | 0.00 | 4.04 |
| Los Angeles | 2016 | Motor Coa | Aggregated | Aggregate | ec DSL | 0.00 | 18.34 |
| Los Angeles | 2016 | PTO | Aggregated | Aggregate | ec DSL | 0.00 | 19.50 |
| Los Angeles | 2016 | SBUS | Aggregated | Aggregate | ec DSL | 0.00 | 15.18 |
| Los Angeles | 2016 | T6 Ag | Aggregated | Aggregate | c DSL | 0.00 | 0.34 |
| Los Angeles | | T6 CAIRP h | | | | 0.00 | 0.83 |
| Los Angeles | | T6 CAIRP sı | | | | 0.00 | |
| Los Angeles | | T6 instate (| | | | 0.00 | |
| Los Angeles | | T6 instate (| | | | 0.00 | |
| Los Angeles | | T6 instate I | | | | 0.00 | |
| Los Angeles | | T6 instate s | | | | 0.00 | |
| Los Angeles | | T6 OOS hea | | | | 0.00 | |
| Los Angeles | | T6 OOS sm | | | | 0.00 | |
| Los Angeles | | | | | | 0.00 | |
| - | | | Aggregate | | | 0.00 | |
| Los Angeles | | | Aggregate | | | | |
| Los Angeles | | | Aggregated | | | 0.00 | |
| Los Angeles | | | Aggregated | | | 0.00 | |
| Los Angeles | | T7 CAIRP co | | | | 0.00 | |
| Los Angeles | | T7 NNOOS | | | | 0.00 | |
| Los Angeles | | | Aggregated | | | 0.00 | |
| Los Angeles | | | Aggregated | | | 0.00 | |
| Los Angeles | | | Aggregated | | | 0.00 | |
| Los Angeles | | | Aggregated | | | 0.00 | |
| Los Angeles | 2016 | T7 single co | Aggregated | Aggregate | ec DSL | 0.00 | |
| Los Angeles | 2016 | T7 SWCV | Aggregated | Aggregate | c DSL | 0.00 | 75.82 |
| Los Angeles | | T7 tractor | | | | 0.00 | 212.42 |
| Los Angeles | 2016 | T7 tractor of | Aggregated | Aggregate | c DSL | 0.00 | 27.15 |
| Los Angeles | 2016 | T7 utility | Aggregated | Aggregate | ec DSL | 0.00 | 1.63 |
| Los Angeles | 2016 | UBUS | Aggregated | Aggregate | c DSL | 0.00 | 115.03 |
| Los Angeles | 2016 | LDA | Aggregated | Aggregate | c ELEC | 0.00 | 0 |
| Los Angeles | 2016 | LDT1 | Aggregated | Aggregate | c ELEC | 0.00 | 0 |
| Los Angeles | 2016 | LDA | Aggregated | Aggregate | ec GAS | 5175.68 | 0 |
| Los Angeles | 2016 | LDT1 | Aggregated | Aggregate | ec GAS | 530.59 | 0 |
| Los Angeles | 2016 | LDT2 | Aggregated | Aggregate | ec GAS | 2524.56 | 0 |
| Los Angeles | 2016 | LHD1 | Aggregated | Aggregate | ec GAS | 255.89 | 0 |
| Los Angeles | 2016 | LHD2 | Aggregated | Aggregate | ec GAS | 59.34 | . 0 |
| Los Angeles | 2016 | | Aggregated | | | 30.30 | 0 |
| Los Angeles | 2016 | | Aggregated | | | 2139.17 | 0 |
| Los Angeles | 2016 | | Aggregated | | | 27.02 | |
| Los Angeles | | | Aggregated | | | 35.64 | |
| Los Angeles | | | Aggregated | | | 3.56 | |
| Los Angeles | 2016 | | Aggregated | | | 96.97 | |
| Los Angeles | 2016 | | Aggregated | | | 14.35 | |
| Los Angeles | | | Aggregated | | | 30.02 | |
| | 2010 | | 00Parce | | | 3,986,927,263 | 679,846,446 |
| | | | Fuel Hea | ge for Proje | ect Construction | | |
| | | C | | | for Construction | · | • |
| | | | _ | - | oject Operation | | |
| | | | | _ | ty for Operation | • | • |
| | | | reiteilla | ge or coun | cy for Operation | 0.0031% | 0.000% |

Appendix P.2

LADWP "Will Serve" Letter

SUPPORT SUBSECTION

METROPOLITAN SERVICE PLANNING

2633 Artesian Street, Suite 250, Los Angeles CA 90031 (213) 367-6000 FAX: (213) 367-6089

Antoine S. Raad District Engineer

November 4, 2014

Mr. Johnathan Pyles Moran Utility Services, Inc. 27127 Calle Arroyo, Suite 1907 San Juan Capistrano, CA 92675

Dear Mr. Pyles:

4325 Glencoe Avenue Marina Del Rey, CA 90292

This is in response to your letter dated November 4, 2014 regarding electric service for the proposed project at the above address.

Electric service is available and will be provided in accordance with the Department of Water and Power Rules and Regulations. The estimated power requirement for this proposed project is part of the total load growth forecast for the City and has been taken into account in the planned growth of the power system

If you have any questions regarding this matter, please call Mr. Eugene Ramirez at (213) 367-6231.

Sincerely,

EUGENE RAMIREZ

Design Engineer

Metro West Service Planning



SoCal Gas "Will Serve" Letter



January 28, 2015

Attn: Johnathan Pyles Moran Utility Services, Inc. 27127 Calle Arroyo, Suite 1907 San Juan Capistrano, CA. 92675

RE: Will Serve Letter Request for – Job ID# 43-2015-01-00019: 4325 Glencoe Ave.

Marina Del Rey, CA. 90292

Dear Sir/Madam:

Thank you for inquiring about the availability of natural gas service for your project. We are pleased to inform you that Southern California Gas Company (SoCalGas) has facilities in the area where the above named project is being proposed. The service would be in accordance with SoCalGas' policies and extension rules on file with the California Public Utilities Commission (Commission) at the time contractual arrangements are made.

This letter should not be considered a contractual commitment to serve the proposed project, and is only provided for informational purposes only. The availability of natural gas service is based upon natural gas supply conditions and is subject to changes in law or regulation. As a public utility, SoCalGas is under the jurisdiction of the Commission and certain federal regulatory agencies, and gas service will be provided in accordance with the rules and regulations in effect at the time service is provided. Natural gas service is also subject to environmental regulations, which could affect the construction of a main or service line extension (for example, if hazardous wastes were encountered in the process of installing the line). Applicable regulations will be determined once a contract with SoCalGas is executed.

If you need assistance choosing the appropriate gas equipment for your project, or would like to discuss the most effective applications of energy efficiency techniques, please contact our area Service Center at 800-427-2200.

Thank you again for choosing clean, reliable, and safe natural gas, your best energy value. Sincerely,

Pedro Reyes
Pipeline Planning Associate
Compton Headquarters