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## **APPENDIX D**

### EMFAC RESULTS

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Baywood Mixed Use Project  
Existing Fuel Demand

| Area      | Sub-Area         | Cal. Year | Season | Veh. Tech                           | EMFAC2007 Category | VMT    | Fuel GAS | Fuel DSL |
|-----------|------------------|-----------|--------|-------------------------------------|--------------------|--------|----------|----------|
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | All Vehicles                        | All Vehicles       | 179.3  | 0.0064   | 0.0011   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | ALL OTHER BUSES - DSL               | OBUS - DSL         | 0.1667 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LDA - DSL                           | LDA - DSL          | 0.9372 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LDA - GAS                           | LDA - GAS          | 104.1  | 0.0033   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LDT1 - DSL                          | LDT1 - DSL         | 0.0031 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LDT1 - GAS                          | LDT1 - GAS         | 9.33   | 0.0004   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LDT2 - DSL                          | LDT2 - DSL         | 0.2142 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LDT2 - GAS                          | LDT2 - GAS         | 32.7   | 0.0014   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LHD1 - DSL                          | LHDT1 - DSL        | 1.54   |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LHD1 - GAS                          | LHDT1 - GAS        | 2.25   | 0.0003   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LHD2 - DSL                          | LHDT2 - DSL        | 0.6033 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | LHD2 - GAS                          | LHDT2 - GAS        | 0.2984 | 0.0000   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | MCY - GAS                           | MCY - GAS          | 0.9273 | 0.0000   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | MDV - DSL                           | MDV - DSL          | 0.4687 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | MDV - GAS                           | MDV - GAS          | 19.0   | 0.0010   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | MH - DSL                            | MH - DSL           | 0.0362 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | MH - GAS                            | MH - GAS           | 0.1034 | 0.0000   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | MOTOR COACH - DSL                   | OBUS - DSL         | 0.0480 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | OBUS - GAS                          | OBUS - GAS         | 0.0987 | 0.0000   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | PTO - DSL                           | HHDT - DSL         | 0.0572 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | SBUS - DSL                          | SBUS - DSL         | 0.1249 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | SBUS - GAS                          | SBUS - GAS         | 0.0412 | 0.0000   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 AG - DSL                         | MHDT - DSL         | 0.0001 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 CAIRP HEAVY - DSL                | MHDT - DSL         | 0.0275 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 CAIRP SMALL - DSL                | MHDT - DSL         | 0.0037 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 INSTATE CONSTRUCTION HEAVY - DSL | MHDT - DSL         | 0.0532 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 INSTATE CONSTRUCTION SMALL - DSL | MHDT - DSL         | 0.1214 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 INSTATE HEAVY - DSL              | MHDT - DSL         | 0.6410 |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 INSTATE SMALL - DSL              | MHDT - DSL         | 1.17   |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 OOS HEAVY - DSL                  | MHDT - DSL         | 0.0156 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 OOS SMALL - DSL                  | MHDT - DSL         | 0.0021 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 PUBLIC - DSL                     | MHDT - DSL         | 0.0528 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6 UTILITY - DSL                    | MHDT - DSL         | 0.0090 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T6TS - GAS                          | MHDT - GAS         | 0.2698 | 0.0001   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 AG - DSL                         | HHDT - DSL         | 0      |          | 0        |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 CAIRP - DSL                      | HHDT - DSL         | 0.6140 |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 CAIRP CONSTRUCTION - DSL         | HHDT - DSL         | 0.0382 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 NNOOS - DSL                      | HHDT - DSL         | 0.7485 |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 NNOOS - DSL                      | HHDT - DSL         | 0.2412 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 OTHER PORT - DSL                 | HHDT - DSL         | 0.0634 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 POAK - DSL                       | HHDT - DSL         | 0.3413 |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 POLA - DSL                       | HHDT - DSL         | 0.0000 |          | 0        |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 PUBLIC - DSL                     | HHDT - DSL         | 0.0474 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 SINGLE - DSL                     | HHDT - DSL         | 0.2882 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 SINGLE CONSTRUCTION - DSL        | HHDT - DSL         | 0.0948 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 SWCV - DSL                       | HHDT - DSL         | 0.1089 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 TRACTOR - DSL                    | HHDT - DSL         | 1.09   |          | 0.0002   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 TRACTOR CONSTRUCTION - DSL       | HHDT - DSL         | 0.0782 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7 UTILITY - DSL                    | HHDT - DSL         | 0.0049 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | T7IS - GAS                          | HHDT - GAS         | 0.0018 | 0.0000   |          |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | UBUS - DSL                          | UBUS - DSL         | 0.2294 |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2020      | Annual | UBUS - GAS                          | UBUS - GAS         | 0.0041 | 0.0000   |          |

Fuel Demand (in thousands of gallons per day) =

Fuel Demand (in gallons per year) = 1000 x 365 x 0.0075 =

0.0075

2,746.79

Baywood Mixed Use Project  
Project Fuel Demand

| Area      | Sub-Area         | Cal. Year | Season | Veh. Tech                           | EMFAC2007 Category | VMT     | Fuel GAS | Fuel DSL |
|-----------|------------------|-----------|--------|-------------------------------------|--------------------|---------|----------|----------|
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | All Vehicles                        | All Vehicles       | 3,345.6 | 0.1088   | 0.0198   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | ALL OTHER BUSES - DSL               | OBUS - DSL         | 2.84    |          | 0.0003   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LDA - DSL                           | LDA - DSL          | 19.8    |          | 0.0004   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LDA - GAS                           | LDA - GAS          | 1,956.2 | 0.0568   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LDT1 - DSL                          | LDT1 - DSL         | 0.0437  |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LDT1 - GAS                          | LDT1 - GAS         | 176.5   | 0.0061   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LDT2 - DSL                          | LDT2 - DSL         | 4.65    |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LDT2 - GAS                          | LDT2 - GAS         | 591.2   | 0.0222   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LHD1 - DSL                          | LHDT1 - DSL        | 30.7    |          | 0.0016   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LHD1 - GAS                          | LHDT1 - GAS        | 39.6    | 0.0046   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LHD2 - DSL                          | LHDT2 - DSL        | 12.1    |          | 0.0007   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | LHD2 - GAS                          | LHDT2 - GAS        | 5.49    | 0.0007   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | MCV - GAS                           | MCV - GAS          | 17.1    | 0.0005   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | MDV - DSL                           | MDV - DSL          | 10.0    |          | 0.0003   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | MDV - GAS                           | MDV - GAS          | 348.2   | 0.0159   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | MH - DSL                            | MH - DSL           | 0.6978  |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | MH - GAS                            | MH - GAS           | 1.84    | 0.0004   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | MOTOR COACH - DSL                   | OBUS - DSL         | 0.9145  |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | OBUS - GAS                          | OBUS - GAS         | 1.67    | 0.0003   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | PTO - DSL                           | HHDT - DSL         | 0.9824  |          | 0.0002   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | SBUS - DSL                          | SBUS - DSL         | 2.25    |          | 0.0003   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | SBUS - GAS                          | SBUS - GAS         | 0.8430  | 0.0001   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 AG - DSL                         | MHDT - DSL         | 0.0009  |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 CAIRP HEAVY - DSL                | MHDT - DSL         | 0.5303  |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 CAIRP SMALL - DSL                | MHDT - DSL         | 0.0707  |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 INSTATE CONSTRUCTION HEAVY - DSL | MHDT - DSL         | 1.25    |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 INSTATE CONSTRUCTION SMALL - DSL | MHDT - DSL         | 2.85    |          | 0.0003   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 INSTATE HEAVY - DSL              | MHDT - DSL         | 12.4    |          | 0.0012   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 INSTATE SMALL - DSL              | MHDT - DSL         | 20.7    |          | 0.0021   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 OOS HEAVY - DSL                  | MHDT - DSL         | 0.2989  |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 OOS SMALL - DSL                  | MHDT - DSL         | 0.0399  |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 PUBLIC - DSL                     | MHDT - DSL         | 0.9918  |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6 UTILITY - DSL                    | MHDT - DSL         | 0.1660  |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T6TS - GAS                          | MHDT - GAS         | 5.52    | 0.0011   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 AG - DSL                         | HHDT - DSL         | 0.0000  |          | 0        |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 CAIRP - DSL                      | HHDT - DSL         | 11.7    |          | 0.0017   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 CAIRP CONSTRUCTION - DSL         | HHDT - DSL         | 0.8966  |          | 0.0001   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 NNOOS - DSL                      | HHDT - DSL         | 14.2    |          | 0.0019   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 NNOOS - DSL                      | HHDT - DSL         | 4.59    |          | 0.0007   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 OTHER PORT - DSL                 | HHDT - DSL         | 1.28    |          | 0.0002   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 POAK - DSL                       | HHDT - DSL         | 7.31    |          | 0.0012   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 POLA - DSL                       | HHDT - DSL         | 0.0000  |          | 0        |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 PUBLIC - DSL                     | HHDT - DSL         | 0.8268  |          | 0.0002   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 SINGLE - DSL                     | HHDT - DSL         | 4.95    |          | 0.0008   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 SINGLE CONSTRUCTION - DSL        | HHDT - DSL         | 2.22    |          | 0.0004   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 SWCV - DSL                       | HHDT - DSL         | 1.88    |          | 0.0008   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 TRACTOR - DSL                    | HHDT - DSL         | 21.1    |          | 0.0027   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 TRACTOR CONSTRUCTION - DSL       | HHDT - DSL         | 1.83    |          | 0.0003   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7 UTILITY - DSL                    | HHDT - DSL         | 0.0916  |          | 0.0000   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | T7IS - GAS                          | HHDT - GAS         | 0.0390  | 0.0000   |          |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | UBUS - DSL                          | UBUS - DSL         | 4.14    |          | 0.0007   |
| Sub-Areas | Santa Clara (SF) | 2023      | Annual | UBUS - GAS                          | UBUS - GAS         | 0.0747  | 0.0000   |          |

Fuel Demand (in thousands of gallons per day) =  
Fuel Demand (in gallons per year) = 1000 x 365 x 0.1286 =

0.1286  
46,937.12