Yuba County IRWMP | 2018 UPDATE

APPENDIX 14-3
Completed Greenhouse Gas Inventory Template

Note: Not all projects are sufficiently developed to complete a Greenhouse Gas Inventory.

Inventory and Calculation of Greenhouse Gas Emissions

Emissions from Construction Equipment

Line	Type of Equipment	Maximum Number per Day	Total Operation Days	Total Operation Hours[1]	Fuel Consumption Per Hour[2]	Total Fuel Consumption (gal. diesel)	CO_2e/gal diesel[3]	Total CO_2 Equivalent Emissions (metric tons)
1								
2	*Masticator (equivalent to D 120 Excavator)*	1						
3				0		-		-
4				0		-		-
5				0		-		-
6				0		-		-
7				0		-		-
8				0		-		-
9				0		-		-
10				0		-		-
11				0		-		-
12				0		-		-
13				0		-		-
14				0		-		-
15				0		-		-
16				0		-		-
17				0		-		-
18				0		-		-
19				0		-		-
20				0		-		-
21				0		-		-
22				0		-		-
23				0		-		-
24				0		-		-
25	TOTAL							

26 [1] An 8-hour work day is assumed.

27 [2] California Air Resource Board Offroad 2007 Emissions Inventory fuel consumption factors

28 [3] World Resources Institute-Mobile combustion CO_2 emissions tool, June 2003 Version 1.2

29

30 Emissions from Transportation of Construction Workforce

	Average Number of Workers per Day	Total Number of Workdays	Average Distance Traveled (round trip)	Total Miles Traveled	Average Passenger Vehicle Fuel Efficiency[4]	Total Fuel Consumption (gal. gasoline)	CO_2e/gal Gasoline[3]	Total CO_2 Equivalent Emissions (metric tons)
31								
32								

33

[4] United States Environmental Protection Agency. 2013. Light-Duty Automotive Technology and Fuel Economy Trends: 1975 through 2012. [EPA-420-R-13-001]

Emissions from Transportation of Construction Materials

Trip Type	Total Number of Trips	Average Trip Distance	Total Miles Traveled	Average Semi-Truck Fuel Efficiency [5]	Total Fuel Consumption (gal. diesel)	CO_2e/gal Diesel [3]	Total CO_2 Equivalent Emissions (metric tons)
					0		0
					0	0	0
TOTAL							**0**

[5] The National Academies, Technologies and Approaches to Reducing the Fuel Consumption of Medium- and Heavy-Duty Vehicles, 2010.

Construction Electricity Emissions

	MWh of electricity	[illegible] [6]	CO_2 e emissions
Electricity Needed	0		0

[6] eGRID2010 Version 1.0, February 2011 (Year 2007 data) *CAMX-WECC sub-region* .

Total Construction Activity Emissions

Total Years of Construction

Expected Start Date of Construction

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Estimated Project Useful life

Average Annual Total GHG Emissions [2]

[7] short-term construction emissions amortized over life of project