

**Yonder Yosemite**

**Table 1 - Peak Onsite Emissions**

December 7, 2021

**Tuolumne County**

**Peak Day: ROG Emissions, lbs/day**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.73	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	1.69	1.69	1.69	1.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.61	0.61	0.61	0.61	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.61	0.61	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.94	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.00	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.59	0.59	0.59	0.59
<b>Total</b>		<b>0.98</b>	<b>0.73</b>	<b>0.45</b>	<b>2.14</b>	<b>1.69</b>	<b>1.69</b>	<b>2.92</b>	<b>0.61</b>	<b>0.61</b>	<b>0.61</b>	<b>1.23</b>	<b>1.23</b>	<b>0.61</b>	<b>1.55</b>	<b>0.94</b>	<b>4.07</b>	<b>0.99</b>	<b>1.58</b>	<b>0.59</b>	<b>0.59</b>	<b>0.59</b>

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Tuolumne County**

**Peak Day: NOx Emissions, lbs/day**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	4.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	12.14	12.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	6.74	6.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	29.58	29.58	29.58	29.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	9.83	9.83	9.83	9.83	9.83	9.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.83	9.83	9.83	9.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	9.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.29	15.29	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.59	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.16	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.51	17.51	0.00	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.77	9.77	9.77	9.77	9.77
<b>Total</b>		<b>16.99</b>	<b>12.14</b>	<b>6.74</b>	<b>36.32</b>	<b>29.58</b>	<b>29.58</b>	<b>49.24</b>	<b>9.83</b>	<b>9.83</b>	<b>9.83</b>	<b>19.66</b>	<b>19.66</b>	<b>9.83</b>	<b>25.13</b>	<b>15.29</b>	<b>23.75</b>	<b>17.51</b>	<b>27.28</b>	<b>9.77</b>	<b>9.77</b>	<b>9.77</b>

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Yonder Yosemite**

**Table 1 - Peak Onsite Emissions**

December 7, 2021

**Tuolumne County**

**Peak Day: CO Emissions, lbs/day**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Demolition	2	19.62	19.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bridge Construction	3	0.00	0.00	12.48	12.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	41.68	41.68	41.68	41.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	16.36	16.36	16.36	16.36	16.36	16.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.36	16.36	16.36	16.36	0.00	0.00	0.00	0.00	0.00	0.00	
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	16.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.30	24.30	0.00	0.00	0.00	0.00	0.00	
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.63	0.00	0.00	0.00	0.00	
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.48	0.00	0.00	0.00	0.00	
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.80	24.80	0.00	0.00	
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.22	15.22	15.22	
<b>Total</b>		<b>26.19</b>	<b>19.62</b>	<b>12.48</b>	<b>54.17</b>	<b>41.68</b>	<b>41.68</b>	<b>74.41</b>	<b>16.36</b>	<b>16.36</b>	<b>16.36</b>	<b>32.73</b>	<b>32.73</b>	<b>16.36</b>	<b>40.66</b>	<b>24.30</b>	<b>37.11</b>	<b>24.80</b>	<b>40.03</b>	<b>15.22</b>	<b>15.22</b>	

**Tuolumne County**

**Peak Day: PM<sub>10</sub> Emissions, lbs/day**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	69,Sched	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Demolition	2	0.45	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bridge Construction	3	0.00	0.00	0.22	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	1.11	1.11	1.11	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.34	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00	0.00	0.00	
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.55	0.00	0.00	0.00	0.00	0.00	
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.65	0.00	0.00	
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	0.33	
<b>Total</b>		<b>0.45</b>	<b>0.45</b>	<b>0.22</b>	<b>1.32</b>	<b>1.11</b>	<b>1.11</b>	<b>1.78</b>	<b>0.34</b>	<b>0.34</b>	<b>0.34</b>	<b>0.67</b>	<b>0.67</b>	<b>0.34</b>	<b>0.89</b>	<b>0.55</b>	<b>0.82</b>	<b>0.65</b>	<b>0.98</b>	<b>0.33</b>	<b>0.33</b>	

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Yonder Yosemite**

**Table 1 - Peak Onsite Emissions**

December 7, 2021

**Tuolumne County**

**Peak Qtr: ROG Emissions, tons**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
<b>Total, over 3 months, running</b>				0.03	0.04	0.05	0.06	0.07	0.06	0.05	0.02	0.14	0.25	0.36	0.36	0.25	0.18	0.07	0.07	0.03	0.03	0.02

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Tuolumne County**

**Peak Qtr: NO<sub>x</sub> Emissions, tons**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.34	0.34	0.34	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.11	0.11
<b>Total, over 3 months, running</b>				0.42	0.68	0.89	1.13	1.25	1.01	0.78	0.32	0.43	0.54	0.54	0.60	0.55	0.71	0.62	0.75	0.60	0.52	0.32

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Yonder Yosemite**

**Table 1 - Peak Onsite Emissions**

December 7, 2021

**Tuolumne County**

**Peak Qtr: CO Emissions, tons**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Demolition	2	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bridge Construction	3	0.00	0.00	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.46	0.46	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.18	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29	0.29	0.29	0.00	0.00	0.00	0.00	0.00	0.00	
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.00	0.00	0.00	
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.00	
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.17	0.17	0.17	
<b>Total, over 3 months, running</b>				0.46	0.92	1.27	1.55	1.74	1.46	1.18	0.54	0.83	1.12	1.22	1.31	1.11	1.23	0.95	1.12	0.88	0.78	0.50

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Tuolumne County**

**Peak Qtr: PM<sub>10</sub> Emissions in Tons**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Demolition	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bridge Construction	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Total, over 3 months, running</b>				0.01	0.02	0.03	0.04	0.04	0.04	0.03	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.01

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

Yonder Yosemite

Table 2 - Peak Offsite Emissions

December 7, 2021

Peak Day: ROG Emissions, lbs/day

Tuolumne County		Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Activity	Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05
<b>Total Offsite</b>		0.11	0.06	0.09	0.15	0.06	0.06	0.15	0.06	0.06	0.06	0.11	0.11	0.05	0.25	0.20	0.76	0.04	0.09	0.05	0.05	0.05
<b>Total Onsite</b>		0.98	0.73	0.45	2.14	1.69	1.69	2.92	0.61	0.61	0.61	1.23	1.23	0.61	1.55	0.94	4.07	0.99	1.58	0.59	0.59	0.59
<b>TOTAL within SLOC</b>		1.10	0.79	0.53	2.29	1.75	1.75	3.07	0.67	0.67	0.67	1.34	1.34	0.66	1.81	1.14	4.83	1.03	1.67	0.64	0.64	0.64

Notes:

Green text and green highlighted cells indicate a number greater than zero.

Peak Day: NOx Emissions, lbs/day

Tuolumne County		Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Activity	Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	1.88	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.98	0.98	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.98	0.98	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.68	0.68	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.34	6.34	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.84	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.27	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.95	0.00	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	1.25	1.25	1.25	1.25
<b>Total Offsite</b>		1.67	0.98	1.88	2.86	0.98	0.98	2.61	0.98	0.98	0.98	1.67	1.67	0.68	7.02	6.34	24.11	0.95	2.19	1.25	1.25	1.25
<b>Total Onsite</b>		16.99	12.14	6.74	36.32	29.58	29.58	49.24	9.83	9.83	9.83	19.66	19.66	9.83	25.13	15.29	23.75	17.51	27.28	9.77	9.77	9.77
<b>TOTAL within SLOC</b>		18.65	13.12	8.62	39.18	30.56	30.56	51.85	10.82	10.82	10.82	21.33	21.33	10.52	32.15	21.64	47.86	18.46	29.47	11.01	11.01	11.01

Notes:

Green text and green highlighted cells indicate a number greater than zero.

**Yonder Yosemite**

**Table 2 - Peak Offsite Emissions**

December 7, 2021

**Peak Day: CO Emissions, lbs/day**

Tuolumne County		Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Activity	Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	1.12	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	1.01	1.01	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	1.01	1.01	1.01	1.01	1.01	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.98	0.98	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	1.13	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.48	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.52	0.52	0.52
<b>Total Offsite</b>		1.99	1.01	1.12	2.14	1.01	1.01	2.48	1.01	1.01	1.01	1.99	1.99	0.98	2.11	1.13	4.17	0.48	1.01	0.52	0.52	0.52
<b>Total Onsite</b>		26.19	19.62	12.48	54.17	41.68	41.68	74.41	16.36	16.36	16.36	32.73	32.73	16.36	40.66	24.30	37.11	24.80	40.03	15.22	15.22	15.22
<b>TOTAL within SLOC</b>		28.18	20.63	13.60	56.30	42.70	42.70	76.89	17.38	17.38	17.38	34.72	34.72	17.34	42.78	25.43	41.28	25.29	41.03	15.75	15.75	15.75

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Tuolumne County**

**Peak Day: PM<sub>10</sub> Emissions, lbs/day**

Tuolumne County		Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Activity	Code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03
<b>Total Offsite</b>		0.04	0.02	0.04	0.07	0.02	0.02	0.06	0.02	0.02	0.02	0.04	0.04	0.02	0.16	0.14	0.54	0.02	0.05	0.03	0.03	0.03
<b>Total Onsite</b>		0.45	0.45	0.22	1.32	1.11	1.11	1.78	0.34	0.34	0.34	0.67	0.67	0.34	0.89	0.55	0.82	0.65	0.98	0.33	0.33	0.33
<b>TOTAL</b>		0.49	0.47	0.26	1.39	1.13	1.13	1.84	0.36	0.36	0.36	0.71	0.71	0.35	1.05	0.69	1.36	0.67	1.04	0.36	0.36	0.36

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Yonder Yosemite**

**Table 2 - Peak Offsite Emissions**

December 7, 2021

**Tuolumne County**

**Peak Qtr: ROG Emissions, tons**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total, Offsite, over 3 months, running</b>				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00
<b>Total Onsite, over 3 months, running</b>				0.03	0.04	0.05	0.06	0.07	0.06	0.05	0.02	0.14	0.25	0.36	0.36	0.25	0.18	0.07	0.07	0.03	0.03	0.02
<b>TOTAL, over 3 months, running</b>				0.03	0.04	0.05	0.06	0.07	0.06	0.05	0.02	0.14	0.25	0.36	0.37	0.26	0.19	0.08	0.08	0.04	0.03	0.02

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Tuolumne County**

**Peak Qtr: NOx Emissions, tons**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
<b>Total, Offsite, over 3 months, running</b>				0.04	0.05	0.05	0.04	0.04	0.04	0.05	0.03	0.04	0.05	0.04	0.10	0.14	0.40	0.33	0.29	0.04	0.04	0.03
<b>Total Onsite, over 3 months, running</b>				0.42	0.68	0.89	1.13	1.25	1.01	0.78	0.32	0.43	0.54	0.54	0.60	0.55	0.71	0.62	0.75	0.60	0.52	0.32
<b>TOTAL, over 3 months, running</b>				0.46	0.73	0.94	1.17	1.29	1.06	0.82	0.36	0.47	0.59	0.58	0.70	0.69	1.10	0.96	1.04	0.64	0.55	0.35

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Yonder Yosemite**

**Table 2 - Peak Offsite Emissions**

December 7, 2021

**Tuolumne County**

**Peak Qtr: CO Emissions, tons**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
<b>Total, Offsite, over 3 months, running</b>				0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.03	0.04	0.05	0.05	0.06	0.04	0.08	0.06	0.06	0.02	0.02	0.02
<b>Total Onsite, over 3 months, running</b>				0.46	0.92	1.27	1.55	1.74	1.46	1.18	0.54	0.83	1.12	1.22	1.31	1.11	1.23	0.95	1.12	0.88	0.78	0.50
<b>TOTAL, over 3 months, running</b>				0.51	0.96	1.31	1.60	1.78	1.51	1.23	0.57	0.87	1.17	1.28	1.37	1.16	1.31	1.01	1.18	0.90	0.80	0.52

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.

**Tuolumne County**

**Peak Qtr: PM<sub>10</sub> Emissions, tons**

Activity	Code	Month																				
		Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Mobilization/Staging	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bridge Construction	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clear/Grub and Rough Grading	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Utilities Installation	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trenching	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Streets and Parking	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Curb, Gutter, Sidewalks and Flatwork	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building and Tent Cabin Construction	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total, over 3 months, running</b>				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00
<b>Total Onsite, over 3 months, running</b>				0.01	0.02	0.03	0.04	0.04	0.04	0.03	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.01
<b>TOTAL, over 3 months, running</b>				0.016	0.025	0.032	0.041	0.045	0.036	0.028	0.012	0.016	0.020	0.020	0.023	0.023	0.034	0.030	0.034	0.022	0.019	0.012

**Notes:**

Green text and green highlighted cells indicate a number greater than zero.





Activity/Source	Source	Activity Code	Vehicle Type	Emission Factors (lbs/mile)									Peak Day Round Trips per day	Average Round Trips per day	Length of Round Trip (miles)	Duration, days	Peak Day Emissions, lbs/day						Peak Quarter Emissions, tons						Total Emissions, Tons																				
				ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>					ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>												
<b>Concrete - Within Tuolumne County</b>																																																	
Utilities Installation	Autos	5	LDA-g	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.99	5.0	5.0	50.0	120	0.03	0.88	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.83										
Drainage	Trucks - Light	6	LDT2-d	0.00003	0.00023	0.00021	0.00001	0.00001	0.00001	0.00009	0.00000	0.58	2.0	2.0	50.0	70	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04									
Drainage	Autos	6	LDA-g	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.99	5.0	5.0	50.0	70	0.03	0.88	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.65									
Trenching	Trucks - Light	7	LDT2-d	0.00003	0.00023	0.00021	0.00001	0.00001	0.00001	0.00009	0.00000	0.58	2.0	2.0	50.0	15	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44										
Trenching	Autos	7	LDA-g	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.99	2.0	2.0	50.0	15	0.01	0.35	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74										
Streets and Parking	Trucks - Light	8	LDT2-d	0.00003	0.00023	0.00021	0.00001	0.00001	0.00001	0.00009	0.00000	0.58	2.0	2.0	50.0	40	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17											
Streets and Parking	Autos	8	LDA-g	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.99	2.0	2.0	50.0	40	0.01	0.35	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98											
Paving	Trucks - Light	9	LDT2-d	0.00003	0.00023	0.00021	0.00001	0.00001	0.00001	0.00009	0.00000	0.58	2.0	2.0	50.0	5	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15											
Paving	Autos	9	LDA-g	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.99	2.0	2.0	50.0	5	0.01	0.35	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25												
Curb, Gutter, Sidewalks and Flatwork	Trucks - Light	10	LDT2-d	0.00003	0.00023	0.00021	0.00001	0.00001	0.00001	0.00009	0.00000	0.58	2.0	2.0	50.0	15	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44												
Curb, Gutter, Sidewalks and Flatwork	Autos	10	LDA-g	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.99	5.0	5.0	50.0	15	0.03	0.88	0.06	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.85												
Landscaping	Trucks - Light	11	LDT2-d	0.00003	0.00023	0.00021	0.00001	0.00001	0.00001	0.00009	0.00000	0.58	2.0	2.0	50.0	40	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.17												
Landscaping	Autos	11	LDA-g	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.99	2.0	2.0	50.0	40	0.01	0.35	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.98												
Building and Tent Cabin Construction	Trucks - Light	12	LDT2-d	0.00003	0.00023	0.00021	0.00001	0.00001	0.00001	0.00009	0.00000	0.58	2.0	2.0	50.0	70	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04												
Building and Tent Cabin Construction	Autos	12	LDA-g	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.99	2.0	2.0	50.0	70	0.01	0.35	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46												
<b>Maximum Within Tuolumne County:</b>																	<b>0.03</b>	<b>0.88</b>	<b>0.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>14.83</b>
<b>Total Within Tuolumne County:</b>																														<b>0.01</b>	<b>0.19</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>65.32</b>		
<b>Maximum Within Tuolumne County:</b>																	<b>0.45</b>	<b>1.81</b>	<b>14.99</b>	<b>0.04</b>	<b>0.33</b>	<b>0.32</b>	<b>0.01</b>	<b>0.05</b>	<b>0.45</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.05</b>	<b>0.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>33.52</b>	
<b>Total Within Tuolumne County:</b>																														<b>0.02</b>	<b>0.24</b>	<b>0.45</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>194.20</b>				

- Notes:
1. Length of trip is assumed to be round trip distances within Tuolumne County.
  2. CalEEMod Tuolumne County commute distance 25 miles OW
  3. Distance to Asphalt Plant 15 miles OW
  4. Distance to Sand and Gravel: 15 miles OW
  5. Distance (Equipment) 15 miles OW



Yonder Yosemite

Table 4 - Construction Equipment Emission Calculations

December 7, 2021

Equipment	Activity Code	BHP	Load Factor	Hours per Day*	Number	Peak Day	Total Days	Emission Factors (g/bhp-hr)**								Emissions (lb/day)						Total Emission (tons)						Gallons				
								ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	Fuel Use
<b>Mobilization/Staging</b>																																
Asphalt Fugitive	1	--	--	0	0	1	20	2.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Backhoe	1	75	0.37	2	1	1	20	0.060	3.700	0.260	0.005	0.008	0.008	0.004	0.154	511.3	0.01	0.45	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	56.72	
Bulldozer-1	1	173	0.43	1	1	1	20	0.120	3.700	2.320	0.005	0.112	0.112	0.004	0.153	506.0	0.02	0.61	0.38	0.00	0.02	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.83	76.03	
Bulldozer-2	1	440	0.42	1	1	1	20	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.154	510.3	0.05	1.06	0.95	0.00	0.04	0.04	0.00	0.01	0.01	0.00	0.00	0.00	2.08	188.87		
Compactor	1	129	0.42	4	1	1	20	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.148	491.9	0.06	1.24	1.11	0.00	0.04	0.04	0.00	0.01	0.01	0.00	0.00	0.00	2.35	221.49		
Concrete Mixer	1	45	0.56	0	0	1	20	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Crane	1	180	0.29	0	0	1	20	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	507.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Excavator	1	204	0.38	0	0	1	20	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.152	504.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Hual Truck	1	713	0.38	1	1	1	20	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	508.4	0.07	1.55	1.39	0.00	0.05	0.05	0.00	0.02	0.01	0.00	0.00	0.00	3.04	276.90		
Paver	1	225	0.42	0	0	1	20	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Road Grader	1	244	0.41	0	0	1	20	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.154	511.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Scraper	1	330	0.48	0	0	1	20	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	506.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Skidsteer	1	71	0.37	6	1	1	20	0.120	3.700	2.740	0.005	0.008	0.008	0.004	0.153	506.3	0.04	1.29	0.95	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	1.76	161.09		
Slurry Mixer	1	60	0.56	0	0	1	20	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Water truck	1	200	0.38	1	1	1	20	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.4	0.01	0.37	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	77.67		
<b>Sub Total</b>																	<b>0.26</b>	<b>6.57</b>	<b>4.85</b>	<b>0.01</b>	<b>0.15</b>	<b>0.15</b>	<b>0.00</b>	<b>0.07</b>	<b>0.05</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>11.53</b>	<b>1,058.76</b>
<b>Demolition</b>																																
Asphalt Fugitive	2	--	--	0	0	1	15	2.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Backhoe	2	75	0.37	4	1	1	15	0.060	3.700	0.260	0.005	0.008	0.008	0.004	0.154	511.3	0.01	0.91	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.94	85.08	
Bulldozer-1	2	173	0.43	6	1	1	15	0.120	3.700	2.320	0.005	0.112	0.112	0.004	0.153	506.0	0.12	3.64	2.28	0.00	0.11	0.11	0.00	0.03	0.02	0.00	0.00	0.00	3.73	342.12		
Bulldozer-2	2	310	0.43	0	0	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.154	510.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Compactor	2	171	0.37	0	0	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.148	491.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Concrete Mixer	2	45	0.56	0	0	1	15	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Crane	2	180	0.29	0	0	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	507.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Excavator	2	204	0.38	6	1	1	15	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.152	504.3	0.06	2.26	0.27	0.01	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00	3.88	356.51		
Hual Truck	2	713	0.38	6	1	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	508.4	0.43	9.32	8.31	0.02	0.32	0.32	0.00	0.07	0.06	0.00	0.00	0.00	13.67	1,246.05		
Paver	2	225	0.42	0	0	1	15	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Road Grader	2	244	0.41	0	0	1	15	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.154	511.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Scraper	2	330	0.48	0	0	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	506.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Skidsteer	2	71	0.37	6	1	1	15	0.120	3.700	2.740	0.005	0.008	0.008	0.004	0.153	506.3	0.04	1.29	0.95	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	1.32	120.82		
Slurry Mixer	2	60	0.56	0	0	1	15	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Water truck	2	200	0.38	6	1	1	15	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.4	0.06	2.21	0.26	0.01	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00	3.83	349.52		
<b>Sub Total</b>																	<b>0.73</b>	<b>19.62</b>	<b>12.14</b>	<b>0.04</b>	<b>0.45</b>	<b>0.45</b>	<b>0.01</b>	<b>0.15</b>	<b>0.09</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>27.4</b>	<b>2,500.11</b>
<b>Bridge Construction</b>																																
Asphalt Fugitive	3	--	--	0	0	1	30	2.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Backhoe	3	75	0.37	4	1	1	40	0.060	3.700	0.260	0.005	0.008	0.008	0.004	0.154	511.3	0.01	0.91	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	2.50	226.88		
Bulldozer-1	3	173	0.43	0	0	1	30	0.120	3.700	2.320	0.005	0.112	0.112	0.004	0.153	506.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Bulldozer-2	3	310	0.43	0	0	1	50	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.154	510.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Compactor	3	171	0.37	1	1	1	50	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.148	491.9	0.07	1.52	1.36	0.00	0.05	0.05	0.00	0.04	0.03	0.00	0.00	7.19	677.82			
Concrete Mixer	3	45	0.56	6	1	1	50	0.000	0.000	0.000	0.007	0.000	0.000	0.004																		

Yonder Yosemite

Table 4 - Construction Equipment Emission Calculations

December 7, 2021

Equipment	Activity Code	BHP	Load Factor	Hours per Day*	Number	Peak Day	Total Days	Emission Factors (g/bhp-hr)**								Emissions (lb/day)						Total Emission (tons)						Gallons					
								ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	Fuel Use	
Scraper	4	330	0.48	6	1	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	506.4	0.25	5.45	4.86	0.01	0.18	0.18	0.01	0.19	0.17	0.00	0.01	0.01	0.00	0.01	37.13	3,399.58	
Skidsteer	4	71	0.37	6	1	1	70	0.120	3.700	2.740	0.005	0.088	0.088	0.004	0.153	506.3	0.04	1.29	0.95	0.00	0.00	0.00	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	6.16	563.81	
Slurry Mixer	4	60	0.56	0	0	1	70	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Water truck	4	200	0.38	6	1	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.4	0.06	2.21	0.26	0.01	0.01	0.01	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.01	17.89	1,631.11	
<b>Sub Total</b>																	<b>1.69</b>	<b>41.68</b>	<b>29.58</b>	<b>0.08</b>	<b>1.11</b>	<b>1.11</b>	<b>0.06</b>	<b>1.46</b>	<b>1.04</b>	<b>0.00</b>	<b>0.04</b>	<b>0.04</b>	<b>0.00</b>	<b>0.08</b>	<b>280.5</b>	<b>25,768.35</b>	
<b>Utilities Installation</b>																																	
Asphalt Fugitive	5	--	--	0	0	1	120	2.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Backhoe	5	75	0.37	6	1	1	120	0.060	3.700	0.260	0.005	0.008	0.008	0.004	0.154	511.3	0.02	1.36	0.10	0.00	0.00	0.00	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	11.26	1,020.98
Bulldozer-1	5	173	0.43	0	0	1	120	0.120	3.700	2.320	0.005	0.112	0.112	0.004	0.153	506.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Bulldozer-2	5	310	0.43	0	0	1	120	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.154	510.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Compactor	5	717	0.37	2	1	1	120	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.148	491.9	0.14	3.04	2.71	0.01	0.10	0.10	0.01	0.18	0.16	0.00	0.01	0.01	0.00	0.01	34.52	3,253.52	
Concrete Mixer	5	45	0.56	2	1	1	120	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.79	309.05	
Crane	5	180	0.29	0	0	1	120	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	507.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Excavator	5	204	0.38	6	1	1	120	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.152	504.3	0.06	2.26	0.27	0.01	0.01	0.01	0.00	0.14	0.02	0.00	0.00	0.00	0.00	0.01	31.03	2,852.12	
Hual Truck	5	713	0.38	4	1	1	120	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	508.4	0.29	6.21	5.54	0.01	0.21	0.21	0.02	0.37	0.33	0.00	0.01	0.01	0.00	0.02	72.88	6,645.62	
Paver	5	225	0.42	0	0	1	120	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Road Grader	5	244	0.41	0	0	1	120	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.154	511.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Scraper	5	330	0.48	0	0	1	120	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	506.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Skidsteer	5	71	0.37	6	1	1	120	0.120	3.700	2.740	0.005	0.088	0.088	0.004	0.153	506.3	0.04	1.29	0.95	0.00	0.00	0.00	0.00	0.08	0.06	0.00	0.00	0.00	0.00	0.00	10.56	966.53	
Slurry Mixer	5	60	0.56	2	1	1	120	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	412.07	
Water truck	5	200	0.38	6	1	1	120	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.4	0.06	2.21	0.26	0.01	0.01	0.01	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.01	30.67	2,796.19	
<b>Sub Total</b>																	<b>0.61</b>	<b>16.36</b>	<b>9.83</b>	<b>0.03</b>	<b>0.34</b>	<b>0.34</b>	<b>0.04</b>	<b>0.98</b>	<b>0.59</b>	<b>0.00</b>	<b>0.02</b>	<b>0.02</b>	<b>0.00</b>	<b>0.06</b>	<b>199.8</b>	<b>18,256.07</b>	
<b>Drainage</b>																																	
Asphalt Fugitive	6	--	--	0	0	1	70	2.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Backhoe	6	75	0.37	6	1	1	70	0.060	3.700	0.260	0.005	0.008	0.008	0.004	0.154	511.3	0.02	1.36	0.10	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.57	595.57	
Bulldozer-1	6	173	0.43	0	0	1	70	0.120	3.700	2.320	0.005	0.112	0.112	0.004	0.153	506.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Bulldozer-2	6	310	0.43	0	0	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.154	510.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Compactor	6	717	0.37	2	1	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.148	491.9	0.14	3.04	2.71	0.01	0.10	0.10	0.00	0.11	0.09	0.00	0.00	0.00	0.00	0.01	20.14	1,897.88	
Concrete Mixer	6	45	0.56	2	1	1	70	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.21	180.28		
Crane	6	180	0.29	0	0	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	507.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Excavator	6	204	0.38	6	1	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.152	504.3	0.06	2.26	0.27	0.01	0.01	0.01	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.01	18.10	1,663.73	
Hual Truck	6	713	0.38	4	1	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	508.4	0.29	6.21	5.54	0.01	0.21	0.21	0.01	0.22	0.19	0.00	0.01	0.01	0.00	0.01	42.51	3,876.61	
Paver	6	225	0.42	0	0	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Road Grader	6	244	0.41	0	0	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.154	511.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Scraper	6	330	0.48	0	0	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	506.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Skidsteer	6	71	0.37	6	1	1	70	0.120	3.700	2.740	0.005	0.088	0.088	0.004	0.153	506.3	0.04	1.29	0.95	0.00	0.00	0.00	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	6.16	563.81	
Slurry Mixer	6	60	0.56	2	1	1	70	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.95	240.37		
Water truck	6	200	0.38	6	1	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.4	0.06	2.21	0.26	0.01	0.01	0.01	0.										

Yonder Yosemite

Table 4 - Construction Equipment Emission Calculations

December 7, 2021

Equipment	Activity Code	BHP	Load Factor	Hours per Day*	Number	Peak Day	Total Days	Emission Factors (g/bhp-hr)**								Emissions (lb/day)						Total Emission (tons)						Gallons					
								ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	Fuel Use	
Concrete Mixer	8	45	0.56	0	0	1	40	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Crane	8	180	0.29	0	0	1	40	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	507.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Excavator	8	204	0.38	6	1	1	40	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.152	504.3	0.06	2.26	0.27	0.01	0.01	0.01	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	10.34	950.71
Hual Truck	8	713	0.38	4	1	1	40	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	508.4	0.29	6.21	5.54	0.01	0.21	0.21	0.01	0.12	0.11	0.00	0.00	0.00	0.00	0.01	24.29	2,215.21	
Paver	8	225	0.42	0	0	1	40	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Road Grader	8	244	0.41	6	1	1	40	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.154	511.7	0.08	2.91	0.34	0.01	0.01	0.01	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	13.54	1,226.89	
Scraper	8	330	0.48	0	0	1	40	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	506.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Skidsteer	8	71	0.37	6	1	1	40	0.120	3.700	2.740	0.005	0.008	0.008	0.004	0.153	506.3	0.04	1.29	0.95	0.00	0.00	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.00	0.00	3.52	322.18	
Slurry Mixer	8	60	0.56	0	0	1	40	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Water truck	8	200	0.38	6	1	1	40	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.4	0.06	2.21	0.26	0.01	0.01	0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	10.22	932.06	
<b>Sub Total</b>																	<b>0.94</b>	<b>24.30</b>	<b>15.29</b>	<b>0.05</b>	<b>0.55</b>	<b>0.55</b>	<b>0.02</b>	<b>0.49</b>	<b>0.31</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.03</b>	<b>95.67</b>	<b>8,814.46</b>	
<b>Paving</b>																																	
Asphalt Fugitive	9	--	--	0.3	1	1	5	2.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.62	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Backhoe	9	75	0.37	0	0	1	5	0.060	3.700	0.260	0.005	0.008	0.008	0.004	0.154	511.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Bulldozer-1	9	173	0.43	0	0	1	5	0.120	3.700	2.320	0.005	0.112	0.112	0.004	0.153	506.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Bulldozer-2	9	310	0.43	0	0	1	5	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.154	510.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Compactor	9	717	0.37	6	1	1	5	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.148	491.9	0.42	9.12	8.14	0.02	0.31	0.31	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	4.32	406.69	
Concrete Mixer	9	45	0.56	0	0	1	5	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Crane	9	180	0.29	0	0	1	5	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	507.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Excavator	9	204	0.38	0	0	1	5	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.152	504.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Hual Truck	9	713	0.38	0	0	1	5	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	508.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Paver	9	225	0.42	6	1	1	5	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.1	0.08	2.75	0.33	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	1.59	144.87		
Road Grader	9	244	0.41	0	0	1	5	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.154	511.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Scraper	9	330	0.48	0	0	1	5	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	506.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Skidsteer	9	71	0.37	6	1	1	5	0.120	3.700	2.740	0.005	0.008	0.008	0.004	0.153	506.3	0.04	1.29	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	40.27		
Slurry Mixer	9	60	0.56	0	0	1	5	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Water truck	9	200	0.38	4	1	1	5	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.4	0.04	1.47	0.17	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	77.67	
<b>Sub Total</b>																	<b>3.20</b>	<b>14.63</b>	<b>9.59</b>	<b>0.03</b>	<b>0.33</b>	<b>0.33</b>	<b>0.01</b>	<b>0.04</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>7.19</b>	<b>669.50</b>	
<b>Curb, Gutter, Sidewalks and Flatwork</b>																																	
Asphalt Fugitive	10	--	--	0	0	1	15	2.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Backhoe	10	75	0.37	4	1	1	15	0.060	3.700	0.260	0.005	0.008	0.008	0.004	0.154	511.3	0.01	0.91	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.94	85.08	
Bulldozer-1	10	173	0.43	0	0	1	15	0.120	3.700	2.320	0.005	0.112	0.112	0.004	0.153	506.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Bulldozer-2	10	310	0.43	0	0	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.154	510.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Compactor	10	717	0.37	3	1	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.148	491.9	0.21	4.56	4.07	0.01	0.15	0.15	0.00	0.03	0.03	0.00	0.00	0.00	0.00	6.47	610.03		
Concrete Mixer	10	45	0.56	6	1	1	15	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	115.89		
Crane	10	180	0.29	0	0	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	507.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Excavator	10	204	0.38	6	1	1	15	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.152	504.3	0.06	2.26	0.27	0.01	0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	3.88	356.51		
Hual Truck	10	713	0.38	6	1	1	15	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	508.4	0.43	9.32	8.31	0.02	0.32	0.32	0.00	0.07	0.06	0.00	0.00	0.00	0.00	13.67	1,246.05		
Paver	10	225																															

Yonder Yosemite

Table 4 - Construction Equipment Emission Calculations

December 7, 2021

Equipment	Activity Code	BHP	Load Factor	Hours per Day*	Number	Peak Day	Total Days	Emission Factors (g/bhp-hr)**									Emissions (lb/day)						Total Emission (tons)						Gallons				
								ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N2O	CH4	CO2	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N2O	CH4	CO2	Fuel Use	
<b>Building and Tent Cabin Construction</b>																																	
Asphalt Fugitive	12	--	--	0	0	1	70	2.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Backhoe	12	75	0.37	4	1	1	70	0.060	3.700	0.260	0.005	0.008	0.008	0.004	0.154	511.3	0.01	0.91	0.06	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	4.38	397.05
Bulldozer-1	12	173	0.43	0	0	1	70	0.120	3.700	2.320	0.005	0.112	0.112	0.004	0.153	506.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulldozer-2	12	310	0.43	0	0	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.154	510.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Compactor	12	717	0.37	0	0	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.148	491.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Concrete Mixer	12	45	0.56	4	1	1	70	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.42	360.56
Crane	12	180	0.29	0	0	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	507.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Excavator	12	204	0.38	4	1	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.152	504.3	0.04	1.50	0.18	0.00	0.01	0.01	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	12.07	1,109.16
Hual Truck	12	713	0.38	6	1	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	508.4	0.43	9.32	8.31	0.02	0.32	0.32	0.02	0.33	0.29	0.00	0.01	0.01	0.00	0.02	63.77	5,814.91	
Paver	12	225	0.42	0	0	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Road Grader	12	244	0.41	0	0	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.154	511.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Scraper	12	330	0.48	0	0	1	70	0.120	2.600	2.320	0.005	0.088	0.088	0.004	0.153	506.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Skidsteer	12	71	0.37	6	1	1	70	0.120	3.700	2.740	0.005	0.008	0.008	0.004	0.153	506.3	0.04	1.29	0.95	0.00	0.00	0.00	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	6.16	563.81	
Slurry Mixer	12	60	0.56	4	1	1	70	0.000	0.000	0.000	0.007	0.000	0.000	0.004	0.119	568.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.89	480.75	
Water truck	12	200	0.38	6	1	1	70	0.060	2.200	0.260	0.005	0.008	0.008	0.004	0.153	508.4	0.06	2.21	0.26	0.01	0.01	0.01	0.00	0.08	0.01	0.00	0.00	0.00	0.01	17.89	1,631.11		
<b>Sub Total</b>																	<b>0.59</b>	<b>15.22</b>	<b>9.77</b>	<b>0.03</b>	<b>0.33</b>	<b>0.33</b>	<b>0.02</b>	<b>0.53</b>	<b>0.34</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.03</b>	<b>115</b>	<b>10,357.35</b>	
<b>Onsite Total</b>																	<b>3.20</b>	<b>41.68</b>	<b>29.58</b>	<b>0.08</b>	<b>1.11</b>	<b>1.11</b>	<b>0.21</b>	<b>5.31</b>	<b>3.45</b>	<b>0.01</b>	<b>0.12</b>	<b>0.12</b>	<b>0.01</b>	<b>0.32</b>	<b>1,060.50</b>	<b>97,029.70</b>	

Notes:

- Fuel use based on EPA 0.0511 gal/bhp-hr, AP-42 Chapt 3.3
  - Construction asphalt acreage based on estimate from grading plans.
  - The unit g/bhp-hr was converted to lb/bhp-hr using the multiplier (conversion) that 1 gram = 0.0022046 lb.
  - The unit pound was converted to tons using the multiplier (conversion) that 1 pound = 0.0005 tons.
- \* - The value for asphalt fugitive are in acres per day and the value for the water truck is in miles per day.

Yonder Yosemite

Table 5 - Fugitive Dust Emissions Calculations

December 7, 2021

Activity	Activity Code	Average Source	Peak Source	Source Units	Number of Days	Emission Factor	Emission Factor, Units	Peak Day Emissions (lbs/day)		Total Emissions (tons)	
								PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>Grading</b>											
Mobilization/Staging	1	0.00	0.00	acres/day	20	0.429	lbs PM10/day/acre	0.00	0.00	0.000	0.000
Demolition	2	1.67	1.67	acres/day	15	0.429	lbs PM10/day/acre	0.72	0.07	0.005	0.000
Bridge Construction	3	0.03	0.03	acres/day	30	0.429	lbs PM10/day/acre	0.01	0.00	0.000	0.000
Clear/Grub and Rough Grading	4	0.36	0.36	acres/day	70	0.429	lbs PM10/day/acre	0.15	0.01	0.005	0.000
Utilities Installation	5	0.25	0.25	acres/day	120	0.429	lbs PM10/day/acre	0.11	0.01	0.006	0.001
Drainage	6	0.25	0.25	acres/day	70	0.429	lbs PM10/day/acre	0.11	0.01	0.004	0.000
Trenching	7	0.25	0.25	acres/day	15	0.429	lbs PM10/day/acre	0.11	0.01	0.001	0.000
Streets and Parking	8	1.00	1.00	acres/day	40	0.429	lbs PM10/day/acre	0.43	0.04	0.009	0.001
Paving	9	1.00	1.00	acres/day	5	0.429	lbs PM10/day/acre	0.43	0.04	0.001	0.000
Curb, Gutter, Sidewalks and Flatwork	10	0.25	0.25	acres/day	15	0.429	lbs PM10/day/acre	0.11	0.01	0.001	0.000
Landscaping	11	5.00	5.00	acres/day	40	0.429	lbs PM10/day/acre	2.15	0.20	0.043	0.004
Building and Tent Cabin Construction	12	0.00	0.00	acres/day	70	0.429	lbs PM10/day/acre	0.00	0.00	0.000	0.000
<b>Max per day:</b>								<b>2.15</b>	<b>0.20</b>	--	--
<b>Total:</b>								--	--	<b>0.08</b>	<b>0.01</b>
<b>Dumping</b>											
Mobilization/Staging	1	0.0	0.0	tons/day	20	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Demolition	2	0.0	0.0	tons/day	15	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Bridge Construction	3	0.0	0.0	tons/day	30	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Clear/Grub and Rough Grading	4	0.0	0.0	tons/day	70	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Utilities Installation	5	0.0	0.0	tons/day	120	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Drainage	6	0.0	0.0	tons/day	70	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Trenching	7	0.0	0.0	tons/day	15	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Streets and Parking	8	255.5	255.5	tons/day	40	0.01421	lbs/ton	3.63	0.55	0.073	0.011
Paving	9	0.0	0.0	tons/day	5	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Curb, Gutter, Sidewalks and Flatwork	10	34.0	34.0	tons/day	15	0.01421	lbs/ton	0.48	0.07	0.004	0.001
Landscaping	11	0.0	0.0	tons/day	40	0.01421	lbs/ton	0.00	0.00	0.000	0.000
Building and Tent Cabin Construction	12	0.0	0.0	tons/day	70	0.01421	lbs/ton	0.00	0.00	0.000	0.000
<b>Max per day:</b>								<b>3.63</b>	<b>0.55</b>	--	--
<b>Total:</b>								--	--	<b>0.076</b>	<b>0.012</b>
<b>Unpaved Road Travel</b>											
Mobilization/Staging	1	0.1	0.1	vehicle-miles/day	20	1.17	lbs/vehicle-mile	0.12	0.01	0.001	0.00012
Demolition	2	0.1	0.1	vehicle-miles/day	15	1.17	lbs/vehicle-mile	0.16	0.02	0.001	0.00012
Bridge Construction	3	0.1	0.1	vehicle-miles/day	30	1.17	lbs/vehicle-mile	0.08	0.01	0.001	0.00012
Clear/Grub and Rough Grading	4	0.1	0.1	vehicle-miles/day	70	1.17	lbs/vehicle-mile	0.08	0.01	0.003	0.00029
Utilities Installation	5	0.0	0.0	vehicle-miles/day	120	1.17	lbs/vehicle-mile	0.02	0.00	0.001	0.00012
Drainage	6	0.0	0.0	vehicle-miles/day	70	1.17	lbs/vehicle-mile	0.03	0.00	0.001	0.00012
Trenching	7	0.1	0.1	vehicle-miles/day	15	1.17	lbs/vehicle-mile	0.16	0.02	0.001	0.00012
Streets and Parking	8	0.1	0.1	vehicle-miles/day	40	1.17	lbs/vehicle-mile	0.09	0.01	0.002	0.00017
Paving	9	0.4	0.4	vehicle-miles/day	5	1.17	lbs/vehicle-mile	0.47	0.05	0.001	0.00012
Curb, Gutter, Sidewalks and Flatwork	10	0.1	0.1	vehicle-miles/day	15	1.17	lbs/vehicle-mile	0.16	0.02	0.001	0.00012
Landscaping	11	0.1	0.1	vehicle-miles/day	40	1.17	lbs/vehicle-mile	0.12	0.01	0.002	0.00023
Building and Tent Cabin Construction	12	0.0	0.0	vehicle-miles/day	70	1.17	lbs/vehicle-mile	0.05	0.00	0.002	0.00017
<b>Max per day:</b>								<b>0.47</b>	<b>0.05</b>	--	--
<b>Total:</b>								--	--	<b>0.018</b>	<b>0.002</b>

## Yonder Yosemite

Table 5 - Fugitive Dust Emissions Calculations

December 7, 2021

Activity	Activity Code	Average Source	Peak Source	Source Units	Number of Days	Emission Factor	Emission Factor, Units	Peak Day Emissions (lbs/day)		Total Emissions (tons)	
								PM <sub>10</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>Fugitive Dust Emissions: Inputs for the Table</b>											
<i>Emission factors based on following inputs</i>											
Mean number of rain days per year	0	worst case									
Silt content of soil, fill storage pile, %	1.5	SCAQMD default value									
<i>Roadway inputs (paved and unpaved, as per URBEMIS)</i>											
Roads mean vehicle weight, tons	20.61	<i>based on project description, HHDT + LDT and vehicles weight (average of full and empty) (original source (=Z:\Users\Mike\Downloads\Excelaron Air Emissions-R4.xls\Offsite Emissions\!P60))</i>									
unpaved dirt road silt content, %	8.4	AP-42 construction sites									
<i>Truck Loading inputs</i>											
k, particle size multiplier, default=0.35 fpr pm10	0.35										
U, mean wind speed, mph range 1.3-15	8.15										
M, moisture content, default=12%	12										
PM2.5/PM10 ratio truck loading	0.15										
Site grading emissions from CalEEMod for grading	0.091	ratio of PM2.5/PM10 CalEEMod									
Demolition materials, tons/yds <sup>3</sup>	1.000	estimated for concrete debris									
Fill materials, tons/yds <sup>3</sup>	1.000	estimated for soils									
Mitigation: grading/dist area watering (fraction reduction)	0.61	0.61 for watering every 3 hours (SCAQMD)									
Mitigation: dumping soil moisture (fraction reduction)	0.30	0.69 for minimum 12% soil moisture (SCAQMD)									
Mitigation: roads (fraction reduction)	0.55	0.55 for watering 3X per day (SCAQMD), 0.80 for soil binders applied monthly (AP-42)									

**Notes:**

PM2.5/PM10 ratio as per AP-42 k factor for PM10 and PM2.5

Demolition dust calculations as per EPA AP-42 11.19 and 13.2.4

Truck loading dumping cut/fill based on CalEEMod

Paved and unpaved road dust emissions based on AP-42 2006 (unpaved) Chapt 13. EPA AP-42 2006 is the same as URBEMIS and CalEEMod

One month assumes 22 days of activity, as per URBEMIS



**Yonder Yosemite**

**Table 6 - Emission Factors** December 7, 2021

**Onsite**

Equipment	Tier	Engine Size (bhp)	LF	Year	Emission Factors (g/bhp-hr)								
					ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N2O	CH4	CO2
Asphalt Fugitive	EF = lb/acre	--	--	--	2.620	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000
Backhoe	4	75	0.37	--	0.060	3.700	0.260	0.005	0.008	0.008	0.0042	0.154	511.3
Bulldozer-1	3	173	0.43	--	0.120	3.700	2.320	0.005	0.112	0.112	0.0042	0.153	506.0
Bulldozer-2	3	310	0.43	--	0.120	2.600	2.320	0.005	0.088	0.088	0.0042	0.154	510.3
Compactor	3	717	0.37	--	0.120	2.600	2.320	0.005	0.088	0.088	0.0042	0.148	491.9
Concrete Mixer	--	45	0.56	--	0.000	0.000	0.000	0.007	0.000	0.000	0.0042	0.119	568.3
Crane	3	180	0.29	--	0.120	2.600	2.320	0.005	0.088	0.088	0.0042	0.153	507.2
Excavator	4	204	0.38	--	0.060	2.200	0.260	0.005	0.008	0.008	0.0042	0.152	504.3
Hual Truck	3	713	0.38	--	0.120	2.600	2.320	0.005	0.088	0.088	0.0042	0.153	508.4
Paver	4	225	0.42	--	0.060	2.200	0.260	0.005	0.008	0.008	0.0042	0.153	508.1
Road Grader	4	244	0.41	--	0.060	2.200	0.260	0.005	0.008	0.008	0.0042	0.154	511.7
Scraper	3	330	0.48	--	0.120	2.600	2.320	0.005	0.088	0.088	0.0042	0.153	506.4
Skidsteer	4	71	0.37	--	0.120	3.700	2.740	0.005	0.008	0.008	0.0042	0.153	506.3
Slurry Mixer	--	60	0.56	--	0.000	0.000	0.000	0.007	0.000	0.000	0.0042	0.119	568.3
Water truck	4	200	0.38	--	0.060	2.200	0.260	0.005	0.008	0.008	0.0042	0.153	508.4

**Notes:**

Emission Factors from CalEEMod, Appendix D  
 Asphalt fugitive EF lbs ROG/acre from CalEEMod, Appendix B.1  
 HP from CalEEMod Appendix D from OFFROAD and applicant data  
 LF from Carl Moyer per SLOAPCD CalEEMod Guidelines  
 Ch4 from CalEEMod  
 N2O from State (and Federal) Mandatory Reporting Rule, Table 6  
 -- Not Available or Applicable

**Offsite - Running**

from EMFAC2017, year 2020, aggregated model year

Vehicle	Notes	g/mile									lbs/mile								
		ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N2O	CH4	CO2	ROG	CO	NO <sub>x</sub>	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	N2O	CH4	CO2
T7tc-d55	55 mph	0.135	0.547	4.542	0.013	0.101	0.096	0.213	0.006	1354.173	0.00030	0.00120	0.00999	0.00003	0.00022	0.00021	0.00047	0.00001	2.97918
T6 Utility	55 mph	0.011	0.043	1.202	0.008	0.010	0.009	0.136	0.000	866.416	0.00002	0.00010	0.00264	0.00002	0.00002	0.00002	0.00030	0.00000	1.90611
LDT2-d	55 mph	0.012	0.105	0.098	0.003	0.006	0.006	0.042	0.001	265.354	0.00003	0.00023	0.00021	0.00001	0.00001	0.00001	0.00009	0.00000	0.58378
LDA-g	55 mph	0.057	1.605	0.112	0.004	0.005	0.005	0.010	0.013	449.52	0.00013	0.00353	0.00025	0.00001	0.00001	0.00001	0.00002	0.00003	0.98894

**Notes:**

ROG, CO, Nox, PM10, PM2.5 and CO2 emission factors from EMFAC2014 (year 2020, aggregated model year)  
 CH4, N2O and SOx emission factors from EMFAC2017



**Yonder Yosemite**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 1: OPERATION EMISSIONS SUMMARY**

Source	Peak Day Emissions (lbs/day)									Annual Emissions (tons/yr)						Annual Emissions (metric tons/yr)			
	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	MTCO <sub>2</sub> e
Operation Phase	5.78	0.91	0.21	0.21	37.73	0.37	0.84	0.53	18,431	0.894	0.161	0.035	0.033	6.846	0.052	0.113	2.257	2,935	2,744
<b>Peak Day within Tuolumne County</b>	<b>5.78</b>	<b>0.91</b>	<b>0.21</b>	<b>0.21</b>	<b>37.73</b>	<b>0.37</b>	<b>0.84</b>	<b>0.53</b>	<b>18,431</b>	-	-	-	-	-	-	-	-	-	-
<b>Total Annual Emissions within Tuolumne County</b>	-	-	-	-	-	-	-	-	-	<b>0.894</b>	<b>0.161</b>	<b>0.035</b>	<b>0.033</b>	<b>6.846</b>	<b>0.052</b>	<b>0.113</b>	<b>2.257</b>	<b>2,935</b>	<b>2,744</b>
<b>TCAPCD Significance Thresholds</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	--	<b>1,000</b>	--	--	--	--	<b>100</b>	<b>100</b>	<b>100</b>	--	<b>100</b>	--	--	--	--	--
<b>Threshold exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	--	<b>No</b>	--	--	--	--	<b>No</b>	<b>No</b>	<b>No</b>	--	<b>No</b>	--	--	--	--	--
<b>GHG - MTCO<sub>2</sub>e conversions</b>																<b>298</b>	<b>25</b>	<b>1</b>	<b>--</b>
<b>Total MTCO<sub>2</sub>e per year</b>																<b>2,744</b>			
<b>Service Population</b>																<b>671</b>			
<b>MTCO<sub>2</sub>e Emission per Service Population</b>																<b>4.1</b>			
<b>Project-level Emissions Threshold</b>																<b>4.6</b>			
<b>Threshold exceeded?</b>																<b>No</b>			

**Notes:**

- EPA Emission Factors for Greenhouse Gas Inventories (298 for N<sub>2</sub>O, 25 for CH<sub>4</sub>, and 1 for CO<sub>2</sub>, March 2018, Table 10a - [https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors\\_mar\\_2018\\_0.pdf](https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf))

TCAPCD - Tuolumne County Air Pollution Control District

Service Population = Guest units x rounded up number of guest per unit + onsite employees + outside service workers + 1.52 people per onsite employee household

Average household size used for services population calculation is 2.52 people. Average household size obtained from US Census Bureau of Labor Statistics, November 2019.

NO<sub>x</sub> - Oxides of Nitrogen

ROG - Reactive Organic Gases

PM<sub>2.5</sub> - Particulate Matter 2.5 Microns or Less

PM<sub>10</sub> - Particulate Matter 10 Microns or Less

DPM - Diesel Particulate Matter

CO - carbon monoxide

SO<sub>2</sub> - Sulfur Dioxide

N<sub>2</sub>O - Nitrous Oxide

CH<sub>4</sub> - Methane

CO<sub>2</sub> - Carbon Dioxide

**Assumptions:**

Operations assumed 7 days per week.

**Yonder Yosemite**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 2: Operations**

**Diesel Fuel Equipment Sources**

Source	BHP	Load Factor	Number	Hours/Day	Duration (days)	Emission Factors (g/bhp-hr)								Emissions (lb/day)								Total Emissions (tons)						Total Emissions (metric tons)				
						NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Gator	20	50	2	3	365	3.691	0.439	0.145	0.133	3.764	0.005	0.004	0.171	528	0.49	0.058	0.019	0.018	0.498	0.001	0.001	0.023	70	0.089	0.011	0.004	0.003	0.091	0.0001	0.0001	0.004	11.558
<b>Total</b>						<b>0.49</b>	<b>0.06</b>	<b>0.02</b>	<b>0.02</b>	<b>0.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.02</b>	<b>70</b>	<b>0.089</b>	<b>0.011</b>	<b>0.004</b>	<b>0.003</b>	<b>0.091</b>	<b>0.0001</b>	<b>0.0001</b>	<b>0.004</b>	<b>11.6</b>									

**Propane and or Compressed Wood Sources**

Source	BHP	Load Factor	Gallons or Tons	Hours/Day	Duration (days)	Emission Factors, g/gal for Propane and/or g/ton for Compressed Wood								Emissions (lb/day)								Total Emissions (tons)						Total Emissions (metric tons)				
						NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Propane Fire Place/Heater	--	--	2.4375	24	210	5.897	0.454	0.318	0.318	3.402	1.500	0.408	0.091	5670	0.7605	0.0585	0.0409	0.0409	0.4387	0.1935	0.0526	0.0117	731.2	0.080	0.006	0.004	0.004	0.046	0.020	0.005	0.001	69.65
Propane Fire Place/Heater	--	--	0.25	12	210	5.897	0.454	0.318	0.318	3.402	1.500	0.408	0.091	5670	0.0390	0.0030	0.0021	0.0021	0.0225	0.0099	0.0027	0.0006	37.5	0.004	0.000	0.000	0.000	0.002	0.001	0.000	0.000	3.57
Propane Water Heater or Equipment	--	--	0.25	12	365	5.897	0.454	0.318	0.318	3.402	1.500	0.408	0.091	5670	0.0390	0.0030	0.0021	0.0021	0.0225	0.0099	0.0027	0.0006	37.5	0.007	0.001	0.000	0.000	0.004	0.002	0.000	0.000	6.21
Compressed Wood	--	--	0.0075	--	365	6.260	6.804	1.905	1.905	17.872	181.44	0.00	7257	1,339,005	0.1035	0.112	0.0315	0.0315	0.2955	0.0030	0.0000	0.1200	22	0.019	0.021	0.006	0.006	0.054	0.001	0.000	0.020	3.67
<b>Total</b>						<b>0.942</b>	<b>0.177</b>	<b>0.077</b>	<b>0.077</b>	<b>0.779</b>	<b>0.216</b>	<b>0.058</b>	<b>0.133</b>	<b>828</b>	<b>0.110</b>	<b>0.028</b>	<b>0.011</b>	<b>0.011</b>	<b>0.106</b>	<b>0.024</b>	<b>0.006</b>	<b>0.021</b>	<b>83</b>									

**On-Road Sources**

Source	Peak Round Trips/Day	Average Round Trips/Day	Number of Vehicles	Length of Round Trip (miles)	Duration (days)	Emission Factors (g/mile)								Peak Day Emissions (lb/day)								Total Emissions (tons)						Total Emissions (metric tons)				
						NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Passenger Vehicle - LDA (offsite)	27	27	27	7	365	0.0599	0.0119	0.0012	0.0011	0.7289	0.0027	0.0058	0.0029	271	0.636	0.126	0.013	0.012	7.731	0.028	0.061	0.0303	2870.9	0.116	0.023	0.002	0.002	1.411	0.005	0.010	0.00501	475.3
Light-Duty Truck - LDT2 (offsite)	9	9	9	7	365	0.0977	0.0117	0.0065	0.0062	0.1054	0.0025	0.0417	0.0005	265	0.115	0.014	0.008	0.007	0.124	0.003	0.049	0.0006	312.7	0.021	0.003	0.001	0.001	0.023	0.001	0.0081	0.00011	51.8
Passenger Vehicle - LDA (offsite)	40	40	66	7	365	0.0599	0.0119	0.0012	0.0011	0.7289	0.0027	0.0058	0.0029	271	2.289	0.453	0.047	0.044	27.840	0.102	0.220	0.1090	10337.8	0.418	0.083	0.009	0.008	5.081	0.019	0.036	0.01805	1711.5
Light-Duty Truck - LDT2 (offsite)	22	22	22	7	365	0.0977	0.0117	0.0065	0.0062	0.1054	0.0025	0.0417	0.0005	265	0.680	0.081	0.045	0.043	0.734	0.017	0.290	0.0038	1847.5	0.124	0.015	0.008	0.008	0.134	0.003	0.048	0.00063	305.9
Med-Heavy Duty - T6 Utility (offsite)	6	6	6	7	52	1.2017	0.0106	0.0098	0.0094	0.0433	0.0082	0.1362	0.0005	866	0.629	0.006	0.005	0.005	0.023	0.004	0.071	0.0003	453.8	0.016	0.000	0.000	0.000	0.001	0.000	0.00168	0.00001	10.7
<b>Total</b>						<b>4.35</b>	<b>0.679</b>	<b>0.118</b>	<b>0.111</b>	<b>36.452</b>	<b>0.155</b>	<b>0.692</b>	<b>0.1440</b>	<b>15,822.8</b>	<b>0.695</b>	<b>0.123</b>	<b>0.021</b>	<b>0.019</b>	<b>6.649</b>	<b>0.028</b>	<b>0.104</b>	<b>0.02380</b>	<b>2,555.2</b>									

**Electrical Equipment Sources**

Source	KWh	Hours/Day	Number	Duration (days)	Emission Factor (lb/kWh)			Emissions (lb/day)			Total Emissions (metric tons)		
					N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Electric Cart Energy Use	3.30	5	4	365	0.000004	0.00003	0.528	0.000003	0.000002	0.03484	0.00040	0.00013	0.00012
<b>Total</b>					<b>0.000003</b>	<b>0.000002</b>	<b>0.03484</b>	<b>0.00040</b>	<b>0.00013</b>	<b>0.00012</b>			

**Land Use Sources**

Source	Units (sf or Number of Rooms)	Electricity Use kW/units/yr	Electricity Lighting Use kW/units/yr	Electricity Water Use kW/yr	Emission Factor (lb/kWh)			Emissions (lb/kWh/day)			Emissions (metric tons/kWh/yr)		
					N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Hotel	60,750	2.12	2.65	3.42	0.000004	0.00003	0.5279	0.00318	0.02620	419.11	0.00058	0.00434	69.38845
Lodge	14,132	4.20	4.87	2.77	0.000004	0.00003	0.5279	0.00140	0.01159	185.39	0.00023	0.00192	30.69304
Event Pavilion	7,459	4.20	4.87	1.46	0.000004	0.00003	0.5279	0.00074	0.00612	97.85	0.00012	0.00101	16.20046
Parking Lot	45,000	0.00	0.88	0.00	0.000004	0.00003	0.5279	0.00043	0.00358	57.28	0.00007	0.00059	9.4831
Exterior Lighting	500,000	0.00	0.88	0.00	0.000004	0.00003	0.5279	0.00482	0.03978	636.38	0.00080	0.00659	105.359
Pool/Spa	7,459	1.86	1.85	0.43	0.000004	0.00003	0.5279	0.00030	0.00250	40.03	0.00005	0.00041	6.62713
Employee Housing	96	915	810.36	0.77	0.000004	0.00003	0.5279	0.00182	0.01498	239.57	0.00030	0.00248	39.66271
<b>Total</b>					<b>0.012696</b>	<b>0.104745</b>	<b>1676</b>	<b>0.002156</b>	<b>0.017342</b>	<b>277.4</b>			

**Notes:**

- Equipment, number of personnel, hours and days of operation, square footage provided by the client.
- Occupancy rate of approximately 50% based on the National Association of RV Parks and Campgrounds, 2019 Industry Trends and Insights Report
- Per client the fire pit will use manufactured compressed wood logs.
- Weight of compressed wood logs estimated using specifications of Pre-to-Logs Fire Logs manufactured by Lignetics.
- Round trips for LDA, LDT2 and LDT2 is based on CalEEMod Appendix D.
- Propane heaters assumed to be used only seven months out of the year during cold season.

**Wastewater Treatment**

Source	Wastewater Generated (gallons/yr)	Emission Factor (lb/gal)			Emissions (pound/day)			Emissions (metric tons/year)		
		N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Project Site	14,595,405	0.0000019	0.0000030	0.00086	0.0748	0.1183	34.4	0.00003	0.00005	0.01560
<b>Total</b>					<b>0.0748</b>	<b>0.1183</b>	<b>34.4</b>	<b>0.00003</b>	<b>0.00005</b>	<b>0.01560</b>

**Solid Waste**

Source	Solid Waste Generated (tons/yr)	Emission Factor (tons/ton)		Emissions (pound/day)		Emissions (metric tons/year)	
		CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2</sub>
Hotel	32.9	0.04257	0.14307	0.0042	0.0142	1.40	4.70
Lodge/Event Pavilion	10	0.04257	0.14307	0.0013	0.0043	0.42	1.41
Employee Housing	9	0.04257	0.14307	0.0011	0.0038	0.37	1.25
<b>Total</b>		<b>0.0066</b>	<b>0.0222</b>	<b>2.2</b>	<b>7.4</b>		

**Yonder Yosemite**  
**CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS**  
**TABLE 3: Emission Factors and Assumptions**

Onsite			Emission Factors (g/bhp-hr)									Emission Factors (lb/bhp-hr)								
Source	Operational Horsepower	Load Factor	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Gator	20	50	3.691	0.439	0.145	0.133	3.764	0.005	0.0042	0.171	528	0.0081	0.0010	0.0003	0.0003	0.0083	0.00001	0.00001	0.00038	1.1635

Onsite			Emission Factors, g/gal for Propane and/or g/ton for Compressed Wood									Emission Factors (lb/gal or lb/ton)								
Source	Operational Horsepower	Load Factor	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Propane Fire Place/Heater	--	--	5.897	0.454	0.318	0.318	3.402	1.50	0.408	0.091	5669.90	0.0130	0.0010	0.0007	0.0007	0.0075	0.00331	0.00090	0.00020	12.5000
Propane Water Heater or Equipment	--	--	5.897	0.454	0.318	0.318	3.402	1.50	0.408	0.091	5669.90	0.0130	0.0010	0.0007	0.0007	0.0075	0.00331	0.00090	0.00020	12.5000
Compressed Wood	--	--	6,260	6,804	1,905	1,905	17,872	181.4	0.0000	7,257	1,339,005	13.8000	15.0000	4.2000	4.2000	39.4000	0.40000	0.00000	15.99998	2,952

Offsite			Emission Factors (g/mile)									Emission Factors (lb/mile)								
Source	Region	Speed	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>	NO <sub>x</sub>	ROG	PM <sub>10</sub>	PM <sub>2.5</sub>	CO	SO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Passenger Vehicle - LDA (offsite)	Mountain Counties	55	0.0599	0.0119	0.0012	0.0011	0.7289	0.0027	0.0058	0.0029	270.7	0.0001	0.0000	0.0000	0.0000	0.0016	0.00001	0.00001	0.00001	0.5967
Light-Duty Truck - LDT2 (offsite)	Mountain Counties	55	0.0977	0.0117	0.0065	0.0062	0.1054	0.0025	0.0417	0.0005	265.4	0.0002	0.0000	0.0000	0.0000	0.0002	0.00001	0.00009	0.00000	0.5850
Med-Heavy Duty - T6 Utility (onsite)	Mountain Counties	15	3.4351	0.0661	0.0081	0.0077	0.2964	0.0154	0.2570	0.0031	1635.3	0.0076	0.0001	0.0000	0.0000	0.0007	0.00003	0.00057	0.00001	3.6052
Med-Heavy Duty - T6 Utility (offsite)	Mountain Counties	55	1.2017	0.0106	0.0098	0.0094	0.0433	0.0082	0.1362	0.0005	866.4	0.0026	0.0000	0.0000	0.0000	0.0001	0.00002	0.00030	0.00000	1.9101
Heavy Duty Haul Truck - T7T (onsite)	Mountain Counties	15	10.2772	0.8447	0.1693	0.1620	2.0494	0.0237	0.3944	0.0392	2509.1	0.0227	0.0019	0.0004	0.0004	0.0045	0.00005	0.00087	0.00009	5.5315
Heavy Duty Haul Truck - T7T (offsite)	Mountain Counties	55	4.8283	0.1313	0.1079	0.1032	0.5511	0.0128	0.2135	0.0061	1358.4	0.0106	0.0003	0.0002	0.0002	0.0012	0.00003	0.00047	0.00001	2.9948
Heavy Duty Trucks - T7TC (onsite)	Mountain Counties	15	10.7347	0.9067	0.1469	0.1406	2.3825	0.0238	0.3954	0.0421	2515.4	0.0237	0.0020	0.0003	0.0003	0.0053	0.00005	0.00087	0.00009	5.5456
Heavy Duty Trucks - T7TC (offsite)	Mountain Counties	55	4.5424	0.1354	0.1007	0.0964	0.5471	0.0128	0.2129	0.0063	1354.2	0.0100	0.0003	0.0002	0.0002	0.0012	0.00003	0.00047	0.00001	2.9854

Electricity Emission Factors		Emission Factors (lb/kWhr)		
Source	Electricity Use Region	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Electricity Usage	California	0.000004	0.00003	0.5279

Natural Gas Emission Factors		Emission Factors (lb/Kbtu)		
Source	Electricity Use Region	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Natural Gas Usage	California	0.0000000	0.000000	0.0000

Recycling and Composting	
Recycling and Composting Program	Percentage of Waste Recycled or Composted
	50

**Electricity Use by Land Use**

Source	Electricity (kWhr/sf/yr)	Lighting Electricity (kWhr/sf/yr)
Hotel	2.12	2.65
Lodge	4.20	4.87
Event Pavilion	4.20	4.87
Parking Lot	0.00	0.88
Exterior Lighting	0.00	0.88
Pool/Spa	1.86	1.85
Employee Housing	915.02	810.36

**Electricity Use by Electric Vehicles**

Source	Electricity (kWhr/day)
Electric Cart Energy Use	3.30

**Solid Waste Disposal Rate**

Source	Region	Rate (tons/yr)
Hotel	Statewide	65.7
Lodge/Event Pavilion	Statewide	19.7
Employee Housing	Statewide	8.8

**Solid Waste Emissions Factors**

Landfill Type	CH <sub>4</sub> (tons/ton)	CO <sub>2</sub> (tons/ton)
No Landfill Gas Collection	0.042565854	0.143068564

**Water Use Rates**

Source	Units (sf or Number of Rooms)*	Indoor Water Use (gal/unit/yr)	Outdoor Water Use (gal/unit/yr)	Water Use		
				Total Indoor Water Use (gal)	Total Outdoor Water Use (gal)	Total Water Use (gal)
Hotel	200	25,367	2,819	5,073,400	563,800	5,637,200
Lodge	14,132	304	19	4,289,557	273,793	4,563,350
Event Pavilion	7,459	304	19	2,264,068	144,511	2,408,578
Parking Lot	45,000	0	0	0	0	0
Pool/Spa	7,459	59	36	441,148	270,381	711,529
Employee Housing	12	65,154	41,075	781,848	492,900	1,274,748
<b>Total</b>				<b>12,850,020</b>	<b>1,745,385</b>	<b>14,595,405</b>

Wastewater Treatment		Emission Factor (lb/gal)		
Source		N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
Project Site		0.0000019	0.000003	0.00086

**Notes:**

- EPA Emission Factors for Greenhouse Gas N<sub>2</sub>O, CH<sub>4</sub>, and CO<sub>2</sub>, March 2018, Table 6- [https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors\\_mar\\_2018\\_0.pdf](https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf)
- Equipment list and engine size provided by Project Applicant. HP were adjusted whenever data was available for the size of the equipment provided by the applicant.
- Equipment criteria pollutant emission factors and load factors were obtained from CalEEMod, Appendix D 2016.
- N<sub>2</sub>O emission factors for equipment were obtained from CFR Part 98 Table C-2 and CalEEMod Appendix D- 2016. Kg/mmbtu was converted to kg/bhp-hr using a diesel energy density of 7000 btu/hp-hr.
- CO<sub>2</sub> and CH<sub>4</sub> emission factors for construction equipment were obtained from CalEEMod Appendix D 2016.
- Vehicle emissions factors obtained from EMFAC-2017
- CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O emission factors for equipment were obtained from CFR Part 98 Table C-2 and CalEEMod Appendix D 2016
- Electricity, propane and wood emission factors were obtained from CalEEMod, Appendix D 2016 and AP-42 Chapter 1, External Combustion Sources
- Electricity use by electric vehicles was obtained from Evaluation of Solar-Assisted, Electric and Gas Golf Carts, 2010.
- Solid waste and waste water emission factors and waste disposal rates obtained from CalEEMod Appendix D 2016
- Water use obtained from CalEEMod Appendix D 2016
- Waste disposal rates obtained from CalRecycle's estimated solid waste generation rates
- \* - The hotel and employee housing are listed by number of rooms.