

## Project Greenhouse Gas Emissions (GHG) and Reductions Summary

The Draft Napa County Climate Action Plan requires that staff calculate the GHG emissions of all discretionary projects in the year 2020 assuming "business as usual" (BAU) conditions. Below is a description of BAU, target emissions if the CAP were to be adopted, and GHG reductions from state, local, and project level actions.

<b>Project Name:</b>	White Cottage P12-00162	<b>Target Build-Out Year:</b>	2020
<b>Project Summary</b>	<b>As modeled:</b> 2,450 sq.ft light industrial; 2,170 sq.ft. quality restaurant; 17 new parking spaces; 24,503 sq.ft. of new impervious (roads and driveways); 7 new FTE; addition of 25 ppl/day T&T; 1,577 ppl./year for marketing events; connects to a municipal water company.		
<b>Project level actions:</b>	Planting of 50 Northern California Black Walnut saplings; energy conservation measures.		

(MT CO<sub>2</sub>e)

### A. PROJECT'S BAU EMISSIONS IN 2020

Energy  
Mobile  
Water & Wastewater  
Solid Waste  
Land use Change

<b>302</b>
221
77
-
5
-

### B. EMISSIONS REDUCTIONS NEEDED TO MEET TARGET

*Target Emissions - 38% BAU Emissions in 2020*

<b>115</b>
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### C. GHG REDUCTIONS FROM STATE LEVEL PROGRAMS

Energy  
Mobile  
Other  
Land Use Change

<b>20</b>
4
16
TBD
-

### D. GHG REDUCTIONS FROM LOCAL PROGRAMS AND PROJECT LEVEL ACTIONS

Energy  
Mobile  
Other  
Land Use Change

Total Stock at 100 years (Reference): 53.26

<b>3</b>
2
-
0
0.54

### E. TOTAL GHG REDUCTIONS IDENTIFIED

*State + Local + Project (D + E); Compare to Box C above*

<b>23</b>
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### F. ADDITIONAL GHG REDUCTION OR MITIGATION REQUIRED

*Balance of reductions needed to reach target (C-G)*

<b>91</b>
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### G. PERCENTAGE OF REDUCTIONS IDENTIFIED

<b>8%</b>
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