



## Greenhouse Gas Emissions for 2016

		Metric Tons
<b>Indirect Source</b>		
Scope 2	(1) Natural Gas	3.3
	(2) Electricity	14.5
<b>Direct Source</b>		
Scope 1	(3) Petroleum	142
<b>Total Green House Gas Emissions</b>		<b>159.8</b>

1. Organizational boundaries:
  - a. 250, 251, 260, 261 and 280 West Beach Avenue, 122, 124 and 143 West Hazel Street, 460 North Eucalyptus Avenue, and 498 North Oak Street, Inglewood, California 90302 (Marvin Engineering and Marvin Land Systems)
  - b. 1770 Kettering Street, Irvine, California 92614 (Marvin Test Solutions)
  - c. 151 West 135<sup>th</sup> Street, Los Angeles, California 90061 (Flyer Defense)
  - d. Suppliers NOT included
2. Only CO<sub>2</sub> emissions data reported. No data is available on Specific GHG quantities.
3. Methodologies
  - a. References
    - i. Therms from Gas bills
    - ii. Kilowatt hours from Electricity bills
    - iii. Gallons/year from company vehicle mileage.

NOTE: 2016 is a baseline year for reporting. Calculations made with as much accuracy as possible
  - b. Link to tool used for calculations:  
<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>
4. No exclusions were taken.  
 NOTE: 2016 is a baseline year for reporting. Calculations made with as much accuracy as possible. Reporting of NO<sub>2</sub> emissions will become available upon implementation and testing of new spray booths expected at the end of this year.
5. Facilities included in the inventory:
  - a. Marvin Engineering
  - b. Marvin Land Systems
  - c. Marvin Test Solutions
  - d. Flyer Defense
6. Point of Contact: Rob Crandell