



Greenhouse Gas Emissions for 2017

Indirect Source		Metric Tons
Scope 2	(1) Natural Gas	4.2
	(2) Electricity	15.2
Direct Source	(3) Petroleum	168
Scope 1		
Total Green House Gas Emissions		187.4

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 135th Street, Los Angeles, California 90061 (Flyer Defense)
 - d. Suppliers NOT included
2. Only CO₂ 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.
 - b. Link to tool used for calculations:
<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>
4. No exclusions were taken.
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