



Greenhouse Gas Emissions for 2019

			Metric Tons
Indirect Source			
Scope 2	(1)	Natural Gas	19.8
	(2)	Electricity	22.7
Direct Source			
Scope 1	(3)	Petroleum	191.1
Total Green House Gas Emissions			233.6

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