











































# Verification

- Fuel suppliers are required to obtain verification services if reporting > 25,000 MT CO<sub>2</sub>e
  - Verification team is required to have at least one “transactions sector” specialist
  - A list of verification bodies and qualified verifiers is available here:  
[http://www.arb.ca.gov/cc/reporting/ghg-ver/arb\\_vb.htm](http://www.arb.ca.gov/cc/reporting/ghg-ver/arb_vb.htm).















- NGL fractionators report the following NGL products and LPG products produced and supplied.

Natural Gas Liquids	LPG Components
Ethane	LPG – Ethane
Propane	LPG – Ethylene
Butane	LPG – Propane
Isobutane	LPG – Propylene
Pentanes Plus	LPG – Butane
Liquefied Petroleum Gas (reported by component)	LPG – Butylene
	LPG – Isobutane
	LPG – Isobutylene
	LPG - Pentanes Plus

- If the product leaving the facility meets the definition of LPG, it is reported by individual component.

# NGL or LPG?

- LPG is defined as a mix of NGL components, primarily propane and butane, that is distributed for use as a fuel (see §95102(a)(266)).
  - Includes products sold as LPG (grades HD-5 and HD-10), as well as other component mixtures meeting the definition
- Only emissions from LPG components count as covered emissions.











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Questions?

# Additional Training

- ARB sector-specific training (see link for times)  
<http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm>
  - February 14<sup>th</sup> - Electricity Generation and Cogeneration
  - February 20<sup>th</sup> - Petroleum and Natural Gas Systems
  - February 21<sup>st</sup> - Fuel Suppliers – Transportation, NG, etc.
  - **February 28<sup>th</sup> - Refinery Product Data**
  - **March 26<sup>th</sup> - Electric Power Entities**
- Contact ARB staff as needed for questions

# Key Reporting Dates

Date	Activity
February 1	Regulatory deadline: Due date for electric power entities to register specified facilities outside California
February 13	Public release of Cal e-GGRT
<b>April 10</b>	Regulatory deadline: Reporting deadline for facilities and suppliers of fuels and carbon dioxide, except when subject to abbreviated reporting
<b>June 3</b>	Regulatory deadline: Reporting deadline for electric power entities and those subject to abbreviated reporting
July 15	Regulatory deadline: Deadline for corrections to RPS Adjustment data required for electric power entity data reports
September 3	Regulatory deadline: Final verification statements due (emissions data and product data)

# Resources

- Reporting Guidance: Applicability, Metering, Fuel Supplier Reporting  
<http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance.htm>
- Tool Training: Registration, Subparts  
<http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm>
- Cal e-GGRT Main Help Page  
<http://www.ccdsupport.com/confluence/display/calhelp/Home>
- U.S. EPA Detailed Sector Training Slides  
<http://www.epa.gov/climatechange/emissions/training.html>  
(use as a supplement to ARB summary slides)

# GHG Reporting Contacts

Subject Matter	Contact
GHG Mandatory Reporting (General)	<a href="#">Dave Edwards</a> , Manager 916.323.4887
Reporting Requirements, Stationary Combustion, Other Sectors (cement, glass, pulp and paper, etc.)	<a href="#">Patrick Gaffney</a> 916.322.7303
Reporting Tool Registration and General Questions	<a href="#">Karen Lutter</a> 916.322.8620
Electricity Generation and Cogeneration Facilities	<a href="#">Anny Huang</a> 916.323.8475
Electricity Retail Providers and Electricity Marketers	<a href="#">Wade McCartney</a> 916.327.0822
<b>Fuel and CO<sub>2</sub> Suppliers - Transportation Fuels, Natural Gas, LPG, CO<sub>2</sub></b>	<a href="#">Syd Partridge</a> 916.445.4292
Petroleum Refineries, Hydrogen Plants, Oil & Gas Production	<a href="#">Byard Mosher</a> 916.323.1185
Product Data – Refineries, and Oil & Gas	<a href="#">Joelle Howe</a> 916.322.6349
Greenhouse Gas Report Verification	<a href="#">Renee Lawver</a> , Manager 916.322.7062
Chief – Greenhouse Gas Emission Inventory Branch	<a href="#">Richard Bode</a> , Chief 916.323-8413