

United Nations / Economic Commission for Europe / WP 3

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THE EUROPEAN LPG ASSOCIATION**

**LPG
AND SECURITY
OF ENERGY SUPPLY**



INTRODUCTION. AEGPL ACTION

AEGPL is the link between the European LPG Industry and the European Institutions :

- Economic Commission for Europe (UN / ECE)
- European Commission (E.C.)
- European Parliament (E.P.) and Council
- European Committee for standardisation (CEN)

AEGPL is also the LPG industry representative in the ISO



1. SOURCES

LPG (PROPANE & BUTANE) ORIGINATES EITHER FROM THE REFINERY PROCESS OR EXTRACTION FROM NATURAL GAS

IN EUROPE THE ESTIMATED SHARES ARE :

- ABOUT 60 % FROM NATURAL GAS**
- ABOUT 40 % FROM REFINERIES**

LPG HAS DIVERSIFIED SOURCES



1. SOURCES (2)

LPG IS A FULLY FLEDGED COMMODITY.

IT IS WIDELY TRADED ON INTERNATIONAL EXCHANGE MARKETS.

THE OVERALL AVAILABLE QUANTITY OF LPG HAS GROWN BY 45 % BETWEEN 1990 AND 2000.

THE CURRENT TRENDS SHOW AN ABUNDANCE OF LPG FOR MANY YEARS TO COME



2. CHARACTERISTICS

LPG CAN BE STORED AND TRANSPORTED AS LIQUID UNDER LOW PRESSURE.

IT CAN EASILY VAPORISE INTO GAS WITH AN IMPORTANT EXPANSION IN VOLUME.

AS A MOTOR FUEL PROVIDING A REDUCTION BY ABOUT 15 % IN CO₂ EMISSIONS, IT OFFERS AN IMMEDIATE SOLUTION TO AIR POLLUTION IN CITIES WITHOUT COSTLY INVESTMENTS.

AS A CLEAN FUEL, LPG HELPS MEETING THE GOALS OF SUSTAINABLE DEVELOPMENT.



3. APPLICATIONS

LPG IS POPULAR IN DOMESTIC HEATING AND COOKING.

IN RURAL AND MOUNTAIN AREAS, LPG IS THE SOLE GAZEOUS FUEL FACING ELECTRICITY.

CONCERNING AUTOMOTIVE APPLICATIONS, IT IS AT PRESENT THE LEADING ALTERNATIVE MOTOR FUEL IN THE EUROPEAN UNION WITH 2.2 MILLION CARS, 7 800 SERVICE STATIONS AND 1 300 BUSES.



4. FLOWS OF PRODUCT

IN 2000, 6 MILLION TONNES OF LPG HAVE BEEN IMPORTED IN EUROPE FOR A TOTAL CONSUMPTION OF ABOUT 25 MILLION TONNES, INCLUDING INDUSTRIAL USES.

IMPORT RATIO : 24 %

THIS IS LOWER THAN THE RATIO FOR ALL ENERGIES.

THE USE OF LPG IS A FACTOR OF REDUCTION OF THE EUROPEAN ENERGETIC DEPEDENCE



CONCLUSION

LPG IS THE FUEL OF CHOICE FOR ABOUT 40 MILLION HOUSEHOLDS IN THE EUROPEAN COMMUNITY.

IN AREAS THAT THE NATURAL GAS NETWORK DOES NOT REACH, IT HAS NO EQUIVALENT NOR SUBSTITUTE. IN THAT SENSE, LPG IS THE PERFECT COMPLEMENT TO NATURAL GAS.

THE USE OF LPG CONTRIBUTES TO THE SECURITY OF ENERGY SUPPLY.

