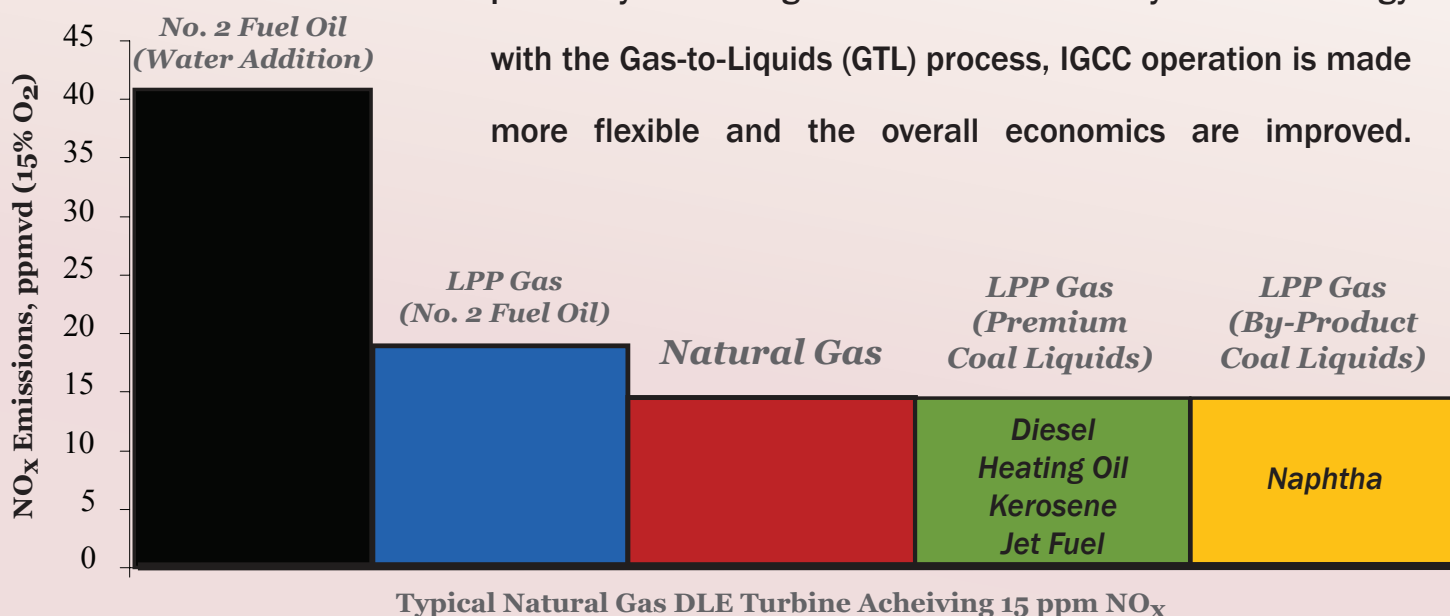


Clean Combustion of Coal Derived Liquids

Natural Gas Level Emissions From Coal

The LPP Combustion System converts alternative liquid fuels, such as coal liquids, naphtha, #2 fuel oil or biofuels into a synthetic natural gas. This LPP gas can then be burned with low emissions in virtually any combustion device in place of natural gas, providing users substantial fuel flexibility. The LPP system burning coal liquids or naphtha in a dry low

emission (DLE) gas turbine creates a low emissions power plant. By combining the LPP Combustion System technology with the Gas-to-Liquids (GTL) process, IGCC operation is made more flexible and the overall economics are improved.



Use Coal Derived Liquids to Produce Synthetic Natural Gas for Your Turbine

Emissions Comparable to Burning Natural Gas

No Combustion Hardware Modifications Required



For More Information Please Contact:

8940 Old Annapolis Road, Suite K, Columbia, MD 21045

Tel: 410-884-3089 / Fax: 410-884-3267

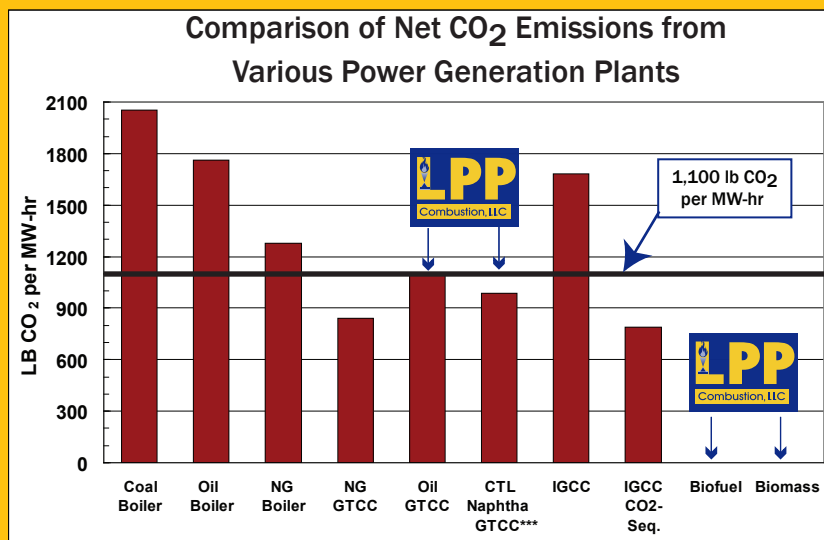
info@lppcombustion.com / www.lppcombustion.com

LPP Combustion's Technology Enhances IGCC Operation



Benefits of Using the LPP Technology with Coal Liquids

- Emissions of criteria pollutants (NO_x, CO, SO_x, PM) with coal liquids, such as naphtha, are similar or lower than natural gas levels.
- Significant improvement in the IGCC value proposition may be realized by using side stream products, such as naphtha, as a feed stock for the LPP Technology.
- Reduce the plant capital cost since a spare gasifier may not be needed for coal gasification when the LPP Technology is used.
- Reduce the CO₂ footprint by blending biofuels with coal derived liquids.
- Separation of the ownership and operation of the coal to liquids (CTL) and the power blocks.



- Beneficial use of waste nitrogen (N₂) produced by the air separation unit of the coal gasification plant.

*** Naphtha derived from coal can meet the current California emission performance standard (EPS) of 1,100 lbs CO₂ per MWhr if CO₂ is sequestered during the CTL process