How natural gas can contribute to Paving the Way for Sustainable Energy for All

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Secretary General of IGU

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IGU represents over 95% of the global gas market

Has served the global gas industry since 1931
Promotes political, technical & economic progress of the gas industry
Supports and facilitates the global transfer of technology and know-how
Emphasises sound environmental performance
The World Gas Conference every 3 years
What is the current situation with regard to energy?

Some facts:
- More than 1.4 bn people without access to electricity
- Some 2.5 bn people use traditional biomass for cooking & heating

Need for:
- Electricity – no blackouts
- Better indoor & outdoor air quality
- Enhanced economic development & more jobs

Investment barriers have to be overcome
What are the success factors?

- **Political & legal framework**
  - Knowledge
    - Use of energy sources
    - Infrastructure
    - Distribution systems
    - Commitment of people
  - Economics
    - Business models
    - Investments
    - Affordability for all
    - Industrial development
    - Employment/jobs
- **Resource availability**
  - Base load by gas

4 Cornerstones for Wealth by Energy
Why is IGU here?

IGU is here to use its wide knowledge base to offer support in realising the success factors:

- Forming a energy portfolio with gas
- Realise synergies of renewables and gas
- Building a robust infrastructure
- Effective and efficient energy use
- Economic development by the use of gas
The major Energy Sources

Today the world needs it all

...but cleaner and efficient

Coal | Oil | Gas | Nuclear | Wind | Hydro | Solar
World loves electricity!

Source: ExxonMobil
How to Produce?

Gas fired energy to electricity

47% lower GHG emission on life cycle basis than coal
Natural gas can enable renewable energy

Natural Gas - Wind – Solar – Hydro

Natural gas can produce clean base load support for variable renewables

An ideal combination
How to get affordable energy to homes?

- **Electricity**
- **Gas from local grid**
- **Gas from cylinders**
Multiple uses of gas

- Road transportation
- Fuel for Industry
- Ships
- Fuel for Commercial
- Fuel for Petrochemical Feedstock
- Air conditioning
How to get started?

Interactive processes

**Education /learning**
- Seminars
- Technical tours
- Class room

**Experts from IGU**
- Political & legal framework
- Economics
- Resources availability
- Knowledge
Thank you!

IGU is looking forward to supporting the Sustainable Energy for All initiative