



***United Nations and the Gas Industry  
- Time for a Strategic Partnership!***

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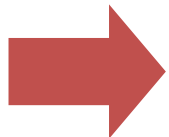


**IPLOCA Annual Convention, Mexico City**

# The UN Energy Agenda



- Sustainable Energy for All (SE4All)
- UN Sustainable Development Goals (SDG)
- The UN Climate Conference (COPs)



***UN – increased focus on energy!***

# The 17 Sustainable Development Goals of the United Nations



# Energy - the key to achieving all Sustainable Development Goals



# SDG 7 Access to Electricity

## - Gas based power production



1 BCM/yr



5,5 billion KWH/yr



Household of five  
500 KWH/yr  
(basic needs)



11 mill households or  
55 million people

Combined cycle gas  
turbine



- Basic needs:
  - Light
  - Fan
  - Phone
  - Refrigerator
  - TV

## SDG 7 Affordable and clean energy for clean cooking

- Natural gas distribution
- Liquified Petroleum Gases (LPG)
  - Reducing indoor pollution
  - Replacing wood, charcoal, kerosene
  - Less time used to provide energy
  - Easy to distribute/transport
  - Mitigate deforestation & earth degradation



***Energy access also a gender issue!***

# SDG 9 Industry and job creation

## Industrial uses of natural gas:

- Ammonia/Urea production  $1 \text{ bcm/yr} = 1,8 \text{ mill T fertiliser}$
- Methanol production  $1 \text{ bcm/yr} = 1,1 \text{ mill T methanol}$
- Petrochemical industry
- Service industry upstream and downstream
- Education, competence development
- Adding value to society



***Industry: supporting social and economic development!***



# SDG 13 Gas replacing coal in el-generation

## - the low hanging fruit!

**..improving environment and air quality by less emissions:**

- CO<sub>2</sub>: 50 % - global warming
- SO<sub>x</sub>: 99 % - acid rain
- NO<sub>x</sub>: 80 % - air quality
- Particles/soot: 99.99 % - air quality



***External costs of coal:  
Public health & environment***



# SDG 13 Climate Change mitigation - gas enabling renewable energy

Society needs energy 24 hours / 7days

Gas



Wind



Solar



Hydro



Capacity  
utilisation

90-100%

30-40%

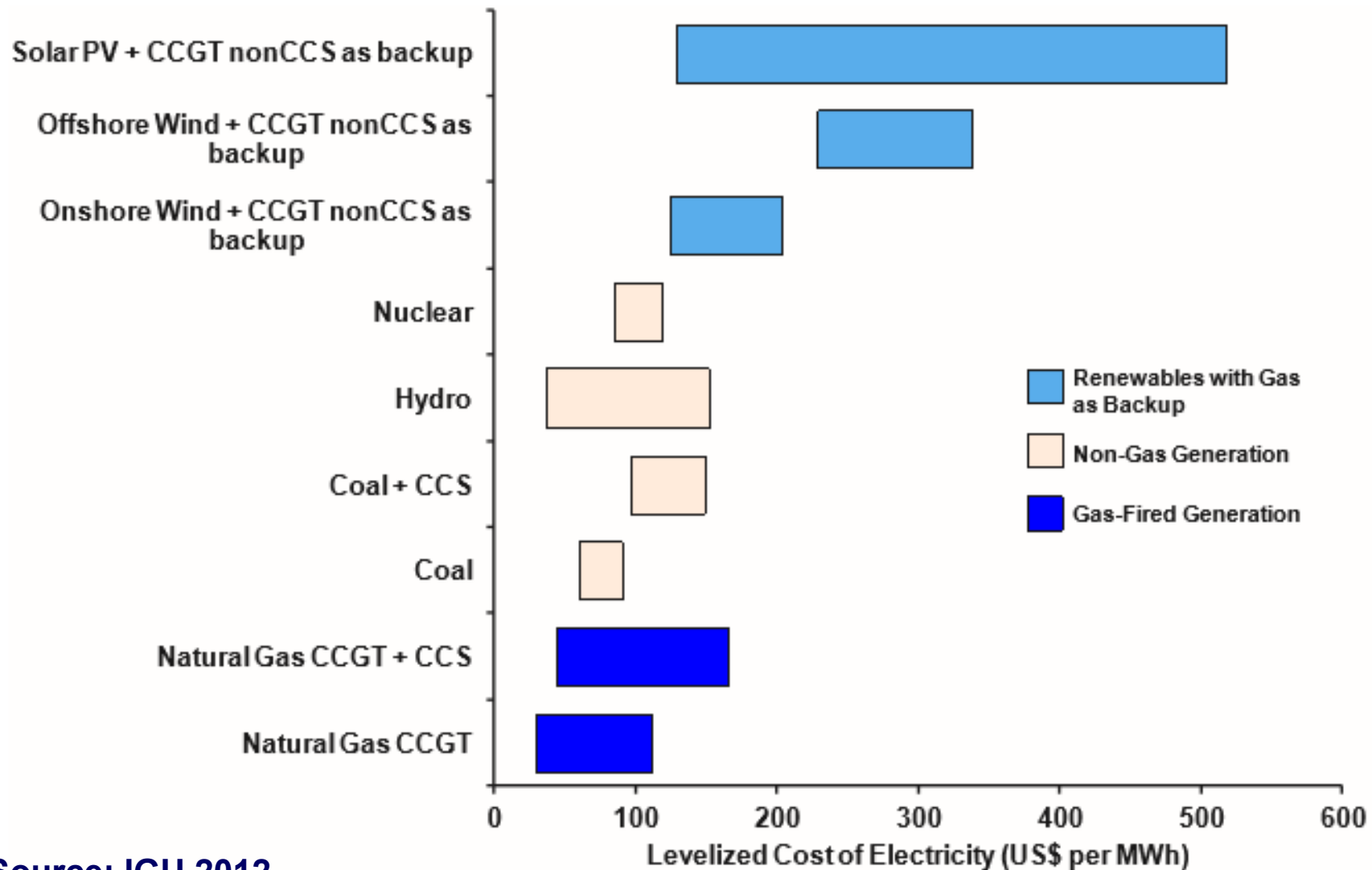
10-25%

Drought

***Natural gas easy  
to turn on and off***



## SDG 13 Understanding cost of reliability



Source: IGU 2012

# SDG 13 Natural gas

## - the transportation sector (CNG/LNG)



**Fleets**



**Less**

- **Particles/soot**
- **NOx – smog**
- **CO2**
- **Noise**



**Maritime**



***Economics & environment – the main drivers***  
***- Electric cars – less CO2?***

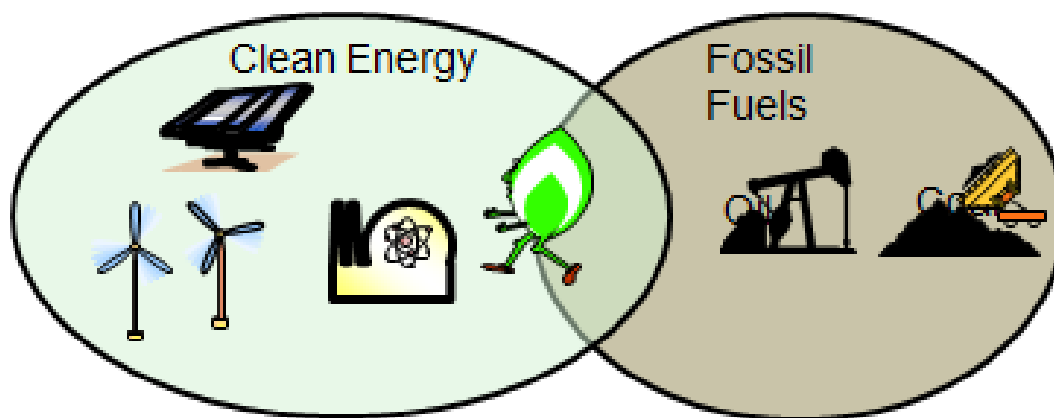
# Gas needs a better image! Must reach those outside the industry!

facebook



GREENPEACE

- Influenced heavily by energy politics
- Public and NGO perception of gas



***United Nations – access to policymakers!***

# UN Economic Commissions

## - follow-up UN priorities

Five UN economic commissions globally

Commissions provide recommendations on policies, standards and best practices

Stakeholders:

- Ministry officials & diplomats
- Civil society & academia
- Industry associations/companies
- UN organisations, IEA, WBG



# The UNECE 2018-2019 Gas Programme



- Gas – supporting UN Sustainable Development Goals
- Managing methane emissions
- Gas- improving air quality
- Synergies between gas and renewables
- New technology: Biogas, syntetic gas, CCSU
- Seminars/workshops/policy meetings



***Formal approval in September 2017***

# SDG 17 Unique opportunity for the gas industry

## UN as a strategic partner:

- Channel for facts and communication
- Strengthen the UN competence on gas
- Influence the UN energy agenda



## Mechanisms for support:

- Project based expert support
- Financial sponsorship
- Second personell to UNECE in Geneva



***UN – offers a neutral platform for collaboration between governments and industry***



***Master Sun Tzu, China (500 BC):  
Make the move when conditions are favourable!***



***Thank you for your attention!***

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