Electricity Production

And

Natural Gas Requirements

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Endesa Hellas

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A POWERFULL
REGIONAL PLAYER

Endesa Hellas

An Excellent Partnership

Endesa, S.A.

- 6th European electricity company
- Enterprise value of 61 bn. €
- Total installed capacity: 47 GW
- Sales: 220 TWh
- Customers: 23 million
- Workforce: 26,730
- Leading Spanish electric utility
- Largest private electricity multinational in Latin America
- Substantial presence in the Mediterranean basin

Proven track record of profitable growth in international markets and best practice industry know-how

Mytilineos Holding, S.A.

- 13th industrial group of ATHEX
- Market cap: 2.0 bn. €
- Four stock listed companies in base metals, energy and defense
- Sales: 1000 M €
- Workforce: 4,500
- One of the largest mining, metallurgical and industrial complexes in Greece

Proven track record of growth, building up local presence and industrial dimension

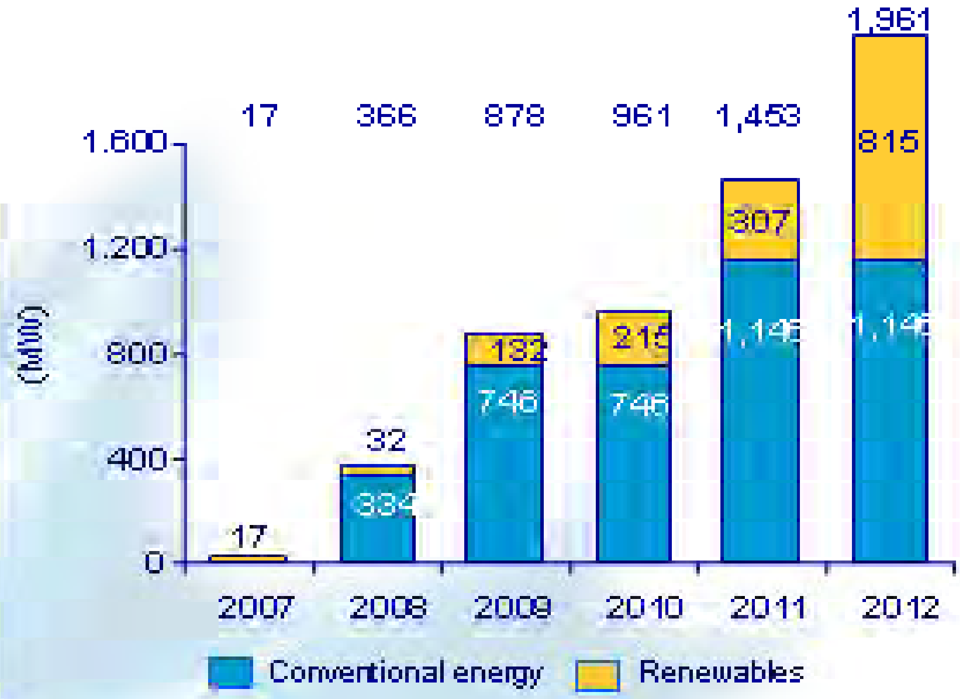
Optimal collaboration for the JV agreement and implementation based on a common vision of the electricity market

Endesa Hellas

Strategic Plan and Objectives

Within the context of a tight reserve margin and competitive wholesale prices, Endesa Hellas aspires to:

- reach around 900 MW in the Greek electricity generation market by 2010, representing a 10% market share
- reach 2,500-3,000 MW in the Greek electricity generation market by 2015, a 15% market share
- develop of a retail commercial platform in Greece



The largest SEE CHP plant is in Greece: 334 MW CHP Plant at Agios Nikolaos, Viotia

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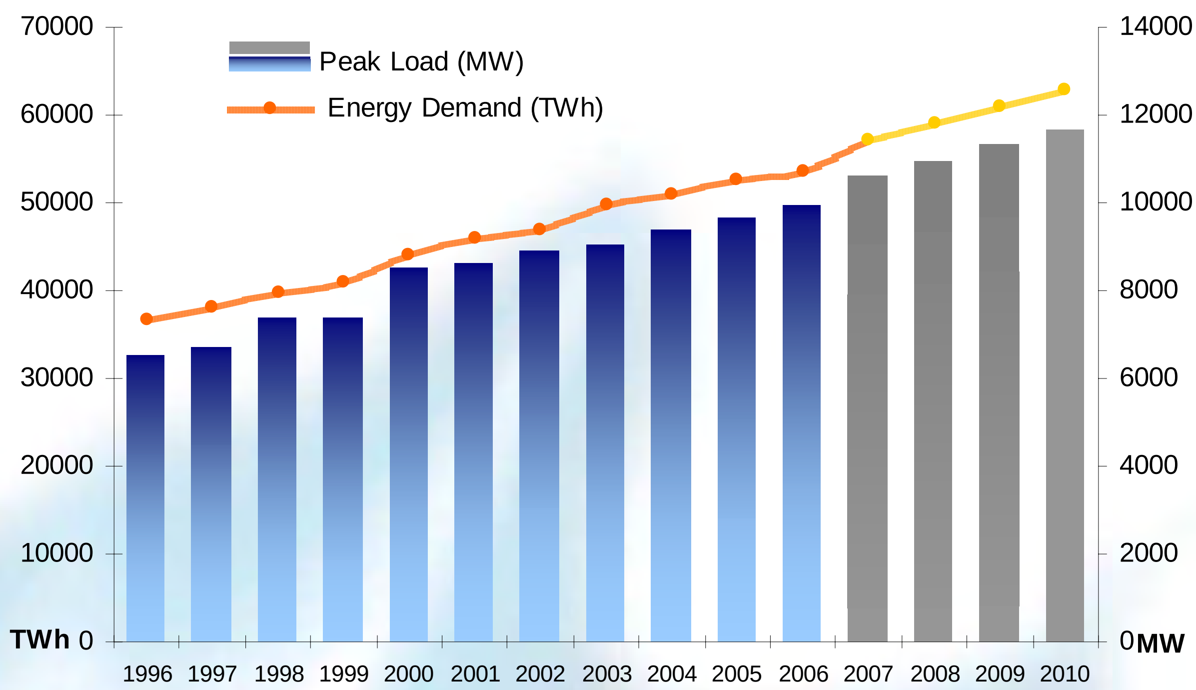
From 2007-2010, electricity demand is expected to continue to grow while insufficient capacity will be developed …

Demand

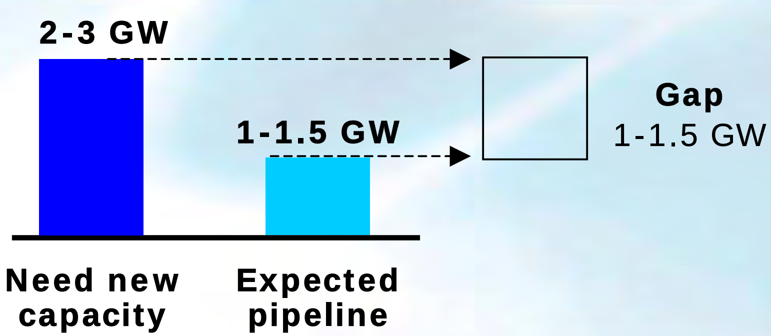


CAGR 07-10

3.3 %

3.3 %

Supply



Greece needs new capacity faster than planned by strategic players

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MEANWHILE New EU Directive

- Demands enhanced use of natural gas and RES, enhanced efficiency operations, firm reduction of CO_2
- new technological applications, new social behaviour

In any case firm switch to natural gas for conventional power generation, at least short term

...BUT HOW MUCH GAS?

GAS-FIRED IN SEE COUNTRIES TO 2015 (MW)

	CURRENT	UNDER DEV/CONSTR	PROPOSED
GREE	2836	2940	2630-3030
BULG	400		600
FYRM		250	300
ALBA			
SERB	400	1300	
TURK	11500	2600	

…SO, HOW MUCH GAS?

GREECE
Currently out of 3,82 Bcm total consumption

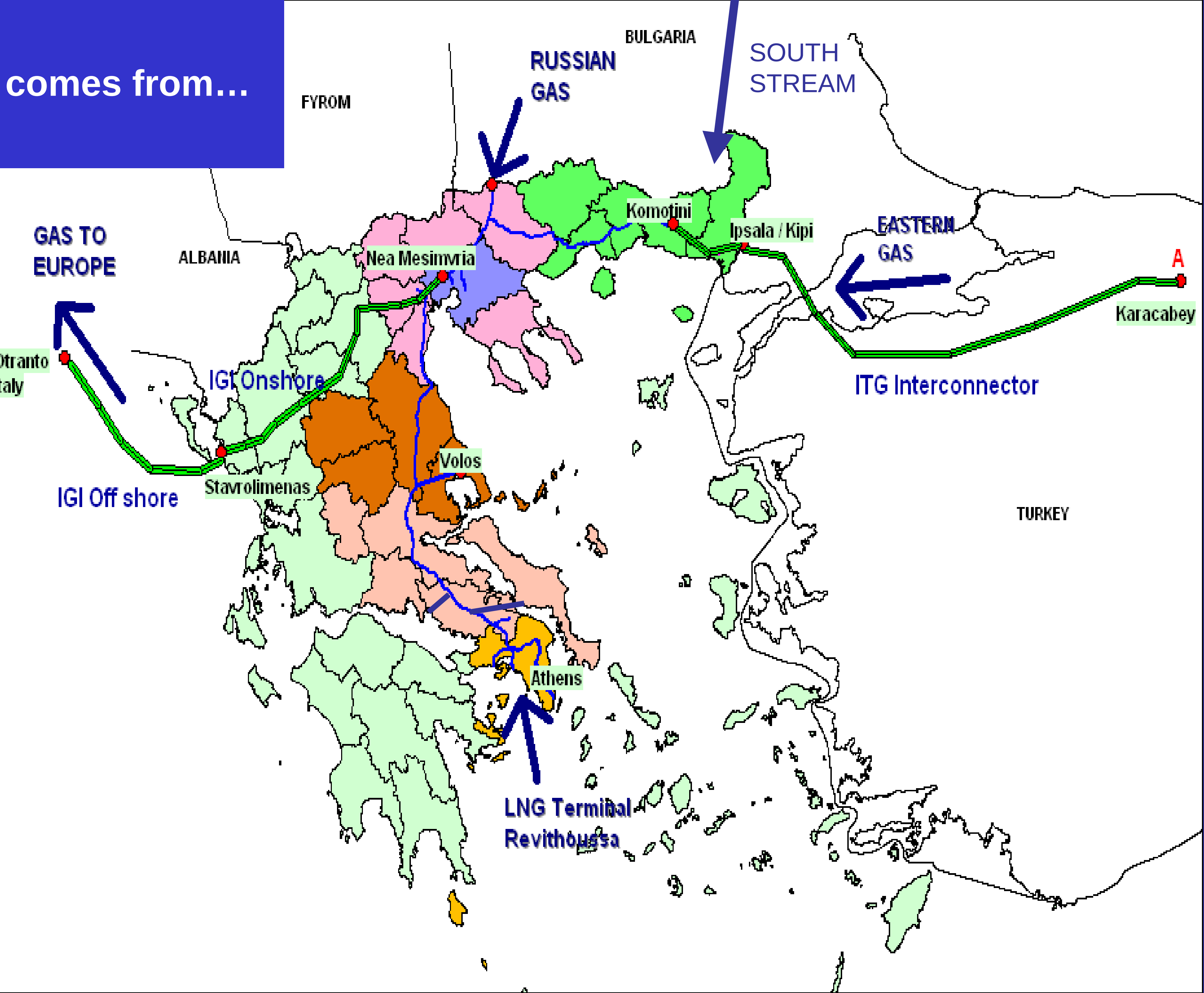
2,63 Bcm used in power generation

GREECE

NEEDS AN ADDITIONAL 2,5 Bcm BY 2015 FOR POWER GENERATION STARTING FROM 2nd H 2009

BULGARIA AND SERBIA
WILL BE NEEDING UP TO 1,5 Bcm FOR POWER GENERATION TO 2015, WHILST TURKEY HAS ALREADY ACCOUNTED FOR IT THROUGH CURRENT CONTRACTS

comes from…


BULGARIA
RUSSIAN GAS
SOUTH STREAM
FYROM
GAS TO EUROPE
ALBANIA
Komotini
Ipsala / Kipi
EASTERN GAS
Nea Mesimvria
A
Karacabey
IGI Onshore
ITG Interconnector
Volos
IGI Off shore
Stavrolimenas
TURKEY
Athens
LNG Terminal Revithoussa

Uncertainties ?

- **Security of Supply**
  - Few Transport Pipelines in the Region
    - Turkish-Greek pipeline an improvement
    - South Stream promising, but not short term
    - Pipeline Infrastructure with neighbouring countries urgent
  - LNG terminal may provide some opportunities

Uncertainties?

- **Regulatory Risks**
  - Third party access regulations to infrastructure
  - Do gas traders have a future in the Region (based on incumbent companies)?
- **Time schedule (power plants and gas) and price risk**
  - Gas at any price?
  - Electricity at any price?

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THANK YOU!

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