ZHEJIANG PROVINCIAL ENERGY GROUP

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Among the provincial energy enterprises, Zhejiang Energy Group has the largest installed capacity by 32020MW, accounting for 50% in Zhejiang), the biggest asset scale and the most comprehensive energy types.
By July 2017:

Total Asset: ¥183.8B
Net Asset: ¥104.2B

Generating 120.1B kwh
30% capacity in Zhejiang

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Coal Supply: 49.42 M tons

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Natural Gas Supply: 7.225 BCM

NATURAL GAS SUPPLY
7. 225 BCM

By July 2017:

TOTAL ASSET
¥183.8B

NET ASSET
¥104.2B

Listed on Top 500 Enterprises in China 2016, ranked 61st among the Most Efficient Enterprises.

Holding or managing 200 enterprises

Owning two A-share listed companies, Zhejiang Zheneng Electric Power (600023) & Ningbo Marine Group (600798)

45% of coal consumption in Zhejiang

85% of natural gas consumption in Zhejiang

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ZHEJIANG ENERGY GROUP INTRODUCTION

Holding 9 Major Enterprises

Zhejiang Energy Natural Gas Group

- Zhejiang Provinical Natural Gas Exploration Co., Ltd (holding shares of 40%)
- Zhejiang Jinqvli Natural Gas Co., Ltd (wholly owned)
- Zhejiang Zheneng Natural Gas Pipeline Co., Ltd (wholly owned)
- Zhejiang Provincial Energy Group City Gas Co., Ltd (wholly owned) (holding 25 city gas companies)
- Zhejiang Zheneng Oil New Energy Co., Ltd (Wholly owned)
- Zhejiang Sinopec Zheneng Oil Development Co., Ltd (shares of 50%)
- CNOOC Zhejiang Ningbo LNG Co. Ltd (shares of 29%)
- LNG Project Preparation Office
- Zhoushan Gas Trading Market Co., Ltd (holding 51%)
Multiple gas sources, One pipeline network

1st West Gas (Year 2004)

Gas from Sichuan (Year 2010)

2nd West Gas (Year 2012)

Importing LNG (Year 2012)

Gas from East China Sea (Year 2005)

Lishui 36–1 Sea Gas (Year 2014)

ZHEJIANG ENERGY GROUP INTRODUCTION

Multiple gas sources, One pipeline network

Existing Pipelines

Under construction

Planned Pipelines

Starting Station

Terminal Station

Transmission Station
Directly supply to 59 end users, including 22 power plant users
Generating Capacity of Gas Power Plant 12400MW

36 city users 1 large industry enterprise (Sinopec Zhenhai Refinery)
Sales Volume: 7.225BCM pipeline gas, estimated 8.6 BCM by the end of 2017
An increase of 19.4% YoY
ZHEJIANG ENERGY GROUP INTRODUCTION

- **Hangzhou–Huzhou Pipeline** (2004)
- **Hangzhou–Jiaxing Pipeline** (2010)
- **Hangzhou–Ningbo Pipeline** (2006)
- **LNG Pipeline** (2012)
- **Jinhua–Lishui–Wenzhou Pipeline** (can be put into operation)
- **Ningbo–Taizhou–Wenzhou Pipeline** (2017)

- 436 km pipelines were newly put into operation in 2017
- Sept. 2017, 1477 km pipelines, 59 transmission stations
- 68 valve vaults
- ¥11.3 B investment
- 397 km pipelines under construction
- 15 counties (city/district) newly added to the network
- 70% of the counties (city/district) in Zhejiang have access to natural gas
Pipeline gas in Zhejiang is up to 9.5 BCM in 2018
Estimated consumption will be 16 BCM in 2020
5.2% now → 10% in 2020 as primary energy
During the 13th Five Year Plan, 18 sub-pipeline projects will be built by Zhejiang Energy Group, reaching a total length of 983.5 km
Total investment will be about 10.9 B Yuan
All counties (city/district) in Zhejiang Province will be covered by the pipeline network
Conclusion

- Pipeline gas brought to Zhejiang since 2004, the market is well developed and rapidly growing.
- "Multiple gas sources, one pipeline network" will set sound foundation to the market development.
- Continuing infrastructure construction that covering all counties sustains the rapid market growth.
GAS FUELS ZHEJIANG  BENEFICIAL TO PEOPLE