

Plan for Construction of LNG Combined-Cycle Power Plant in Fiscal 2011

OEPC's power plant construction plans are designed to cope with the steady increase in demand for electricity. The Company has decided to construct an LNG-fired CCGT power plant in view of the low carbon dioxide emission level of such plants and their consequent contribution to the prevention of global warming.

Furthermore, the adoption of LNG will give OEPC a third fuel option after oil and coal, thus achieving a more diversified (and therefore more risk-resistant) portfolio of energy sources. This will help the Company attain greater security in its fuel procurement, thereby guaranteeing still further the provision of a reliable supply of power.

We plan to install four 240,000-kilowatt class generators - the maximum feasible number for the planned power station site. No. 1 will go into operation in fiscal 2011, and No. 2 in the following year. We will draw up more detailed plans for the development of Nos. 3 and 4 in fiscal 2017 or later, as part of our policy of flexibly

responding to changes in power demand trends and the likely ongoing requirements to reduce carbon dioxide emissions still further.

Construction Schedule

| FY2004-2007 | FY2008-2010 | FY2011 | FY2012 | FY2017 and after |
|---|-----------------------|---------------------------------|---------------------------------|---|
| Conduct an environmental assessment Examine facility specifications | Facility construction | Start operating generator No. 1 | Start operating generator No. 2 | Start operating generators No. 3, No. 4 |



Outline of Facilities

Power generation

[kW]

| Type | Name of power station | Max. capacity | Generator [Unit; kW] | Fuel used |
|---------------------|-----------------------|---------------|--|-----------------------------|
| Steam | Makiminato | 465,000 | No.5 85,000 | Heavy oil C |
| | | | No.6 85,000 | |
| | | | No.7 85,000 | |
| | | | No.8 85,000 | |
| | | | No.9 125,000 | |
| | Ishikawa | 250,000 | No.1 125,000 No.2 125,000 | Coal |
| | Gushikawa | 312,000 | No.1 156,000 No.2 156,000 | |
| | Kin | 440,000 | No.1 220,000 No.2 220,000 | |
| | Total | 1,467,000 | 11 [units] | |
| | Gas turbine | Makiminato | 163,000 | No.1 60,000 No.2 103,000 |
| Ishikawa | | 103,000 | No.1 103,000 | |
| Miyako | | 15,000 | No.1 5,000 No.2 5,000 No.3 5,000 | Heavy oil A |
| Ishigaki | | 10,000 | No.1 5,000 No.2 5,000 | |
| Total | | 291,000 | 8 [units] | |
| Internal combustion | Kume | 19,750 | 10 [units] MAX 4,000 | Heavy oil (A, C) |
| | Izena | 3,800 | 5 [units] MAX 1,000 | |
| | Tokashiki | 3,650 | 7 [units] MAX 1,000 | |
| | Tonaki | 915 | 5 [units] MAX 365 | |
| | Aguni | 1,580 | 6 [units] MAX 380 | |
| | Minami-daito | 3,900 | 8 [units] MAX 1,000 | |
| | Kita-daito | 1,400 | 6 [units] MAX 300 | |
| | Miyako | 21,500 | 6 [units] MAX 5,500 | |
| | Miyako No.2 | 40,000 | 4 [units] MAX 10,000 | |
| | Shintarama | 1,480 | 5 [units] MAX 500 | |
| | Ishigaki | 26,500 | 5 [units] MAX 10,000 | |
| | Ishigaki No.2 | 30,000 | 3 [units] MAX 10,000 | |
| | Hateruma | 900 | 5 [units] MAX 300 | |
| | Yonaguni | 2,750 | 5 [units] MAX 850 | |
| | Total | 158,125 | 80 [units] | |
| Total | 1,916,125 | 99 [units] | | |

*As of March 31, 2005

Power transmission

| Classified by voltage [kV] | 132 | 66 | 22 | 13.8 | Total | |
|--|-------------|-----|-----|------|-------|-------|
| Route length of transmission line network [km] | Overhead | 101 | 415 | 180 | 16 | 712 |
| | Underground | 17 | 84 | 81 | 12 | 194 |
| | Total | 118 | 499 | 261 | 28 | 906 |
| Total length of transmission line network [km] | Overhead | 202 | 482 | 182 | 23 | 889 |
| | Underground | 34 | 87 | 100 | 12 | 234 |
| | Total | 236 | 569 | 282 | 35 | 1,123 |

Transformer equipment

| Classified by voltage [kV] | 132 | 66 | 22 | 13.8 | Total | |
|----------------------------|------------------------|-------|-------|------|-------|-------|
| Total | Number of locations | 9 | 68 | 19 | 32 | 128 |
| | Voltage capacity [MVA] | 2,755 | 2,663 | 188 | 47 | 5,653 |

Power distribution

| | | Extra-high-voltage lines | High-voltage lines | Low-voltage lines | Total |
|--|-------------|--------------------------|--------------------|-------------------|--------|
| Route length of transmission line network [km] | Overhead | 111 | 6,635 | 3,484 | 10,230 |
| | Underground | 6 | 276 | 4 | 286 |
| | Total | 117 | 6,911 | 3,488 | 10,516 |
| Total length of transmission line network [km] | Overhead | 338 | 21,951 | 11,163 | 33,452 |
| | Underground | 7 | 372 | 4 | 383 |
| | Total | 345 | 22,323 | 11,167 | 33,835 |