JX Nippon Oil & Energy Corporation
Tokyo Gas Co., Ltd.

Kawasaki Natural Gas Power Generation Co., Ltd.

Regarding Submission of the "Planning Stage Environmental Impact Statement for the Kawasaki Natural Gas Power Plant Units No. 3 and No. 4 Enlargement Plan"

Today, Kawasaki Natural Gas Power Generation Co., Ltd. (President: Shuji Arai; hereafter "KNGPG"), which is owned by JX Nippon Oil & Energy Corporation (President: Tsutomu Sugimori; hereafter "JX Energy") and Tokyo Gas Co., Ltd. (President: Michiaki Hirose; hereafter "Tokyo Gas"), submitted the "Planning Stage Environmental Impact Statement for the Kawasaki Natural Gas Power Plant Units No. 3 and No. 4 Enlargement Plan\*<sup>1</sup>" (hereafter, "Environmental Impact Statement") concerning the plan to expand the Kawasaki Natural Gas Power Plant (Kawasaki City, Kanagawa Prefecture) to the Minister of Economy, Trade and Industry, the Governor of Kanagawa Prefecture, the Mayor of Kawasaki City, the Mayor of Yokohama City, the Governor of Tokyo, the Head of Ota Ward, and the Head of Shinagawa Ward based on the provisions of the Environmental Impact Assessment Act. With this, the three companies have begun full-scale examinations of the Kawasaki Natural Gas Power Plant expansion.

The Kawasaki Natural Gas Power Plant uses the environmentally friendly clean energy natural gas. It is a natural gas thermal power plant which supplies electric power using gas turbine combined cycle generation, which realizes superior energy efficiency. Unit No. 1 began operating from April 2008 and Unit No. 2 from October 2008. The plant presently has a power output of approximately 847,000 kW.

As a comprehensive energy company, JX Energy is developing new electric power customers, advancing the development of new power sources, and otherwise working to expand its electric power business.

In "Challenge 2020 Vision," Tokyo Gas calls for the "increase of competitive generation capacity." The plant enlargement is part of those measures.

JX Energy and Tokyo Gas will continue using the Kawasaki Natural Gas Power Plant and contribute to the realization of environmentally friendly, stable and efficient electric power supply.

\*1. The Environmental Impact Statement can be viewed on the Kawasaki Natural Gas Power Generation home page from June 11 through July 10.

Kawasaki Natural Gas Power Generation home page: http://www.kngg.co.jp

Environmental Impact Statement (from June 11): http://www.kngg.co.jp/environment/index.html

1. Outline of Kawasaki Natural Gas Power Generation Co., Ltd.

Representative: Shuji Arai

Capital: ¥3.75 billion (as of April 1, 2015)

Establishment: November 30, 2001

Equity: JX Energy 51%, Tokyo Gas 49%

Address: 12-1 Ogimachi, Kawasaki-ku, Kawasaki City, Kanagawa Prefecture

Plant capacity: Units No. 1 and No. 2: 423,700 kW each; generating efficiency of 57.6%

(lower calorific value basis)



## 2. Outline of Plant Enlargement Plan

Planned construction site: Land adjacent to the Kawasaki Natural Gas Power Plant



Power generation method: Gas turbine combined cycle power generation

Power output: Approximately  $550,000 \text{ kW} \times 2 \text{ units}$ 

Fuel: Natural gas

Operations start date: Scheduled to start operations sequentially from 2021