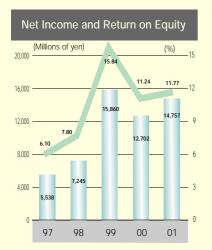
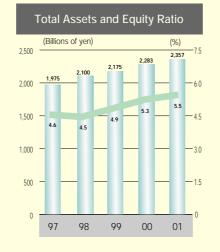
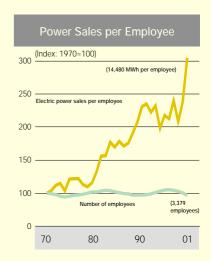
Millions of yen

Years ended March 31	1996	1997	1998	1999	2000	2001
Operating revenues	¥0,440,113	¥0,451,096	¥0,476,217	¥0,451,543	¥0,450,330	¥ 495,307
Income from electric power sales	383,099	392,565	416,849	392,474	385,719	425,184
Hydroelectric	132,941	139,834	143,997	145,643	144,114	144,100
Thermal	250,158	252,731	272,851	246,830	241,604	281,084
Income from wheeling		—	—		62,287	67,095
Other operating revenues	57,013	58,530	59,368	59,069	2,324	3,026
Operating expenses	347,112	357,210	372,563	345,367	344,493	384,937
Operating income	93,001	93,886	103,654	106,176	105,837	110,369
Financial revenues	883	751	611	623	409	159
Financial expenses	84,748	84,165	86,537	72,694	72,784	76,718
Income from overesses						
Income from overseas technical service	1,718	1,677	1,613	1,353	1,651	1 524
Expenses on overseas	1,710	1,077	1,013	1,505	1,001	1,534
technical service	1,511	1,510	1,505	1,149	1,362	1,221
	1,011	1,510	1,505	1,147	1,502	1,221
Other income	840	175	101	768	416	3,492
Other expenses	139	159	1,274	2,618	1,248	2,280
Gross profit	10,044	10,656	16,662	32,459	32,919	35,334
Reserve for drought	10,044	10,000	(77)	(403)	131	33,334
Extraordinary loss	_	_	(77)	(403)	(12,645)	(11,670)
Income before income taxes	10,044	10,656	16,584	32,056	20,405	23,664
Income taxes	(5,186)	(5,118)	(9,339)	(16,195)	(13,326)	(15,583)
Deferred income taxes	(0).00)	(0,1.0)	(//00/)	(10/170)	5,622	6,677
Net income	4,857	5,538	7,245	15,860	12,702	14,757
Total shareholders' equity	90,203	91,424	94,354	105,908	120,185	130,637
Total assets	1,877,683	1,975,394	2,100,181	2,174,729	2,282,881	2,356,878
Per share:	(0.00	70.45	100 (0	004 (5	170.00	000.04
Net income (Yen)	68.80	78.45	102.62	224.65	179.92	209.04
Cash dividends applicable to the year (Yen)	60.00	60.00	60.00	60.00	60.00.	60.00
-						
Number of shares	70 ( 00	70 ( 00	70 ( 00	70 / 00	70 ( 00	70 / 00
outstanding (Thousands)	70,600	70,600	70,600	70,600	70,600	70,600
Number of employees	3,675	3,687	3,658	3,601	3,521	3,379

Note: Corresponding to the revision of electric utility accounting regulations, "income from wheeling" formerly included under "other operating revenues" is listed as an independent item from the year ended March 31, 2000.







## A Commitment to Sustainable Development for Japan and the World through an Ongoing Energy Supply Service to Meet Demand

The Electric Power Development Co., Ltd. (EPDC) is to be completely privatized by 2003 under the Japanese Cabinet decision adopted in June 1997. In accordance with these government policies, we are preparing ourselves for a new start as a private organization.

On the other hand, Japan is in the midst of a reform process that will bring fundamental socioeconomic changes fit for the 21st century. This opens up new challenges to tackle the global concerns of growing international competition and intensifying environmental issues in the quest for new development.

The electricity industry is facing the same challenges of sweeping reform in the spreading tide of free market competition that has liberalized the power retail sector after the rigors of the postwar centralization of the electricity industry.

EPDC can look back to a proud history spanning over half a century as an electric power wholesale operation with a proven track record of reliable, low-cost power supply. Our nationwide network of power transmission trunk lines has made a significant contribution to the improvement of living standards in Japan. Our performance records as of July 2001 show that we have built and operate as many as 66 power stations with a total output capacity of 16,000 megawatts and a transmission network of 2,400 kilometers of power lines.

As part of our overseas commitment, we have carried out as many as 182 technical cooperation projects with 57 countries mainly from the developing world. In this manner, we have made a substantial contribution to power supply security and economic development in many overseas countries.

With this proud record of achievements behind us, we are in the process of building a solid management system with the strength to weather the severe competitive environment and risks that lie ahead of us. This adds weight to our determination toward further expansion and development as we open up new business areas in the electricity and energy market. In order to attain these goals, we are redoubling our efforts to upgrade management efficiency and improve our financial strength while promoting new business development.

As part of our commitment to achieve sweeping improvements in management and cost efficiency not only for EPDC itself but also for its subsidiaries and affiliates, we have established our groupwide Third Phase of the Restructuring Plan (fiscal 2001 to fiscal 2005) designed to sharpen the competitive edge of our electricity wholesale business and improve our financial structure.

Our efforts to develop new activity areas in the non-wholesale sector will focus on such new domains as investments in overseas electric power and energy projects, resources, environment and engineering by making full use of the manpower, technical resources and know-how we have at our command.

In fiscal 2000, we were able to increase revenues and profits and close the year with favorable results.

Ordinary revenues increased 10%, to ¥495.3 billion. This rise was due, in part, to the improved water reserves for the hydroelectric facilities compared with the previous fiscal year (hydroelectric power sales rose 2%, to 9.9 billion kilowatt-hours) and partly due to an increase in thermal power sales due to the startup of the No. 1 and No.2 units of Tachibanawan Thermal Power Station (up 30%, to 39.0 billion kilowatt-hours). A further factor was the



Yoshihiko Nakagaki, President

increase in the Company's income from wheeling associated with the startup of new facilities, including the Tachibanawan transmission equipment.

Despite our efforts to enhance efficiency throughout all our activities, ordinary expenses were up 11%, to ¥465.2 billion. This was partly due to the launch of new facilities resulting in higher depreciation costs. We also increased our reserve funds for termination and retirement allowances in accordance with the new accounting standards.

Gross profit was up 7%, to ¥35.3 billion. Fiscal 2001 marks the beginning of a new endeavor under our Third Phase of the Restructuring Plan.

In the past, we have grown strong as we negotiated the many challenges that have faced us. Reassured by our proven track record, we are readying ourselves for the privatization challenge that is upon us, with a determined effort to reinforce our operating structure groupwide and develop new areas of business. This will give us the resilience for a dynamic takeoff in the new century in which we will play our role of contributing to the sustainable development of Japan and the world.

July 2001

Yoshihito Nakagati

Yoshihiko Nakagaki President

## Defining Our Key Management Tasks Toward Further Progress in the 21st Century

#### **Key Management Issues**

Changes in the supply and demand structure and further deregulation of the electric power industry are rapidly transforming our operating environment.

Against this backdrop, EPDC embraces two overriding management goals. First, we must enhance our operational efficiency and strengthen our financial position. In this context, we need to strengthen our competitiveness as an electricity wholesaler. The second priority is to expand our international and new business activities. We are pursuing these goals in anticipation of our full privatization in two years time to emerge as a competitive and strong electric power and energy company. Our basic management strategy is to ensure that all Group companies step up their efforts in line with these priorities.

#### **Review of the Corporate Organization**

1. Bolstering Competitiveness in Electricity Wholesaling through Sweeping Organization Reform

**Promoting the Third Phase of the Restructuring Plan** We completed successfully our Second Phase of the Restructuring Plan, covering fiscal 1998 through 2002, at the end of fiscal 2000. The next phase of our Restructuring Plan, launched in fiscal 2001, will take us up to fiscal 2005 with a sweeping reform program that is to further enhance our competitiveness as an electricity wholesaler and thereby improve our profitability while concurrently strengthening our financial structure. This new Plan consists of:

## (1) Far-reaching review of corporate organization

The review program will be executed in four steps. First, we will introduce a divisional system with a clear assignment of operational and profit-related responsibilities. Second, our head office functions will be streamlined. Third, we will reorganize our group structure. Fourth, we will fully integrate administrative tasks for the entire EPDC Group.

#### (2) Review of executive appointments

We will reduce the number of directors from 20 to 12 and introduce an executive officer system in fiscal 2002 when a new Board is due to be appointed.

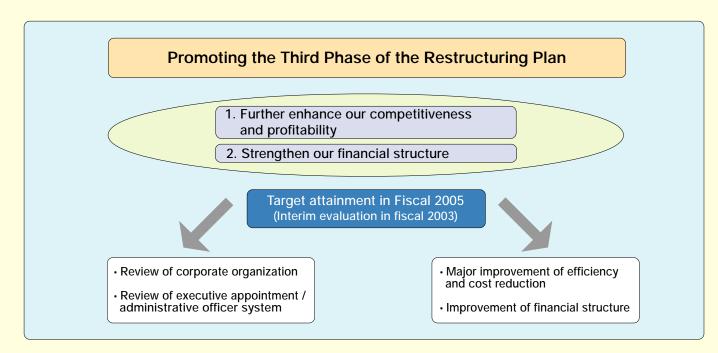
(3) Major improvement in efficiency and cost reduction The goal for 2005 is a 25% cutback in the number of employees from the present 8,000 to 6,000, while controllable costs will be pared down at least 20%.

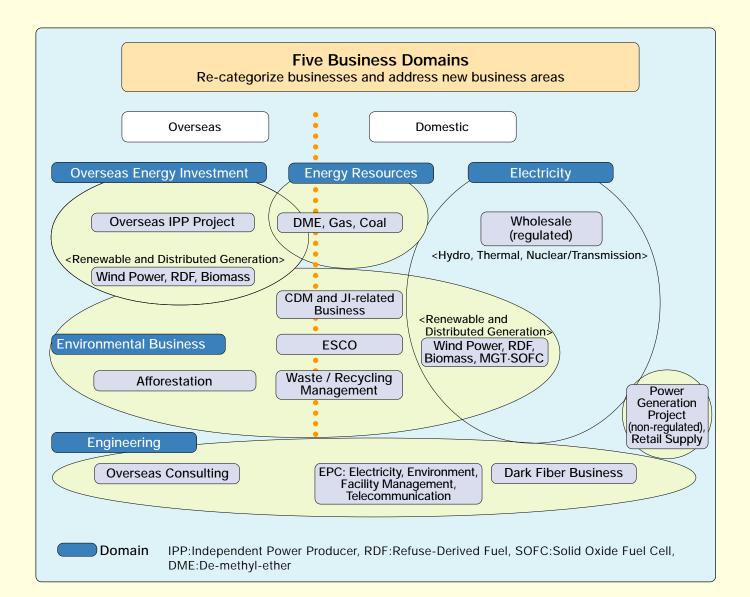
#### (4) Improvement of financial structure

While constraining capital spending, we will transform fixed assets into cost items through a transition from ownership to leases. This will reduce our interest burden.

#### 2. Expanding our International and New Business Activities

We have been active in power generation for five decades domestically and four decades overseas. We will draw on this





solid track record to develop opportunities in five domains: domestic power generation and transmission, overseas energy investments, environmental business, energy resources, and engineering.

(1) In domestic power generation, we will concentrate on wholesaling (hydroelectric, thermal and nuclear power). At the same time, we will commercialize such areas as windpowered and waste-fueled generation, cogeneration based on private finance initiative (PFI), biomass generation, microhydroelectric power generation, and solid oxide fuel cells. We will consider entering the power retailing business in response to changes in the market environment.

(2) We will make overseas energy investments a second pillar of our operations. We will draw on our expertise gained from EPDC's overseas consultation activities and launch independent power producer (IPP) projects. (3) We will focus on environmental business, including overseas afforestation based on the Kyoto Mechanisms(Joint Implementation, Clean Development Mechanism and GHG credits) and resource recycling.

(4) We will pursue resources-related business in keeping with changes in international energy markets.

(5) We will develop engineering business activities in the marketplace by drawing on our technological expertise.

### **Specific Objectives**

The development of our business activities will be crucial for us to meet the challenge of privatization in two years' time. To this end, we will further expand shareholders' equity while boosting profitability by reinforcing competitiveness.

Our target for fiscal 2005 is an equity ratio of 20%. Also in that year, we aim to achieve an ordinary profit of at least ¥40 billion.

## **EPDC's Responses to Deregulation in the Power Sector**

#### **Power Liberalization**

The government made amendments to the Electricity Utilities Industry Law in 1995 and 1999 as part of the process of industry deregulation. The government will examine the effects of deregulation. EPDC is responding to the change by improving its competitiveness in the power wholesaling business and extending its corporate domain by opening up new growth opportunities.

### 1. Electric Power Industry Restructuring

Introduction and Expansion of Competitive Bidding The competitive bidding system was partly introduced for additional thermal capacity for the 10 major electric power companies (EPCOs) following the amendment of the Electricity Utilities Industry Law in 1995. In March 2000, all additional thermal capacity became subject to the competitive bidding procedure conducted between EPCOs, wholesale power companies and IPPs.

The bidding procedure is mandatory only for new thermal capacities. Therefore, generating facilities run on other resources, such as hydroelectric and nuclear, and generating projects that have already gone into construction, are excluded from the bidding procedure requirement. Nevertheless, as competition becomes more intense, economic efficiency is vital.

#### 2. Partial Liberalization of Electricity Retailing

Following an amendment to the Electricity Utilities Industry Law in 1999, the partial liberalization of electricity retailing started on March 21, 2000. This allowed firms other than EPCOs to serve customers that have a demand size in excess of 2,000 kilowatts and are connected to the power network through a transmission line with a voltage higher than 20.000 volts.

On March 31, 2001, one year after the new system began, eight new categories of company retailed electricity. They included trading houses, energy companies, telecommunications firms, financial institutions and foreign corporations. These players supply both surplus electricity and power from commercial facilities that they have installed. Some companies have encountered limits to the availability of surplus power, and are planning to build new generating facilities.

One demand-side change was the introduction of competitive bidding procedures for electricity purchase by many government bodies. This new practice started when the Ministry of International Trade and Industry (now the Ministry of Economy, Trade and Industry (METI)) solicited electricity supply bids for its main building in August 2000.

Similar procedures followed for the construction of the Shizuoka Prefectural Government building and for facilities operated by the municipal governments of Yokohama, Hiroshima and Fukuoka. Some new entrants were successful in their bids for projects, such as the main building of METI and the Osaka City Government's main building

In the meantime, EPCOs have stepped up their efforts to cut costs and improve marketing. All EPCOs reduced their electricity tariffs in October 2000 and began offering more supply options that reflected load factors.

Although partial liberalization has had a seemingly minimal impact, it has prompted many businesses to consider entering the electric power industry. Customers are keenly monitoring developments. As a result, we believe that there is a strong potential for competition to expand. Also, foreign companies and governments are increasingly interested in what is happening in Japan.

The government plans to assess progress under the Electricity Utilities Industry Law in 2003.

One key focus will be to forecast the possible impact of full liberalization, with the overseas experience serving as an example worth watching. California, which has liberalized the most, is suffering a 'power crisis' that includes power shortages, price hikes and bankruptcies of power utilities. The crisis in California may greatly affect the trend toward liberalization in Japan and has attracted considerable attention from all parties concerned. METI and the Federation of Electric Power Companies have both sent investigation teams to California. They plan to reassess Japan's liberalization process based on the lessons to be learnt there.

#### EPDC's Responses to Power Liberalization

Wholesale business, which continues to be our core business, is not directly influenced by retail competition. We continue to sell the entire output from our existing capacity to EPCOs on a Power Purchase Agreement. For projects under construction, we have also signed an exclusive service contract with EPCOs.

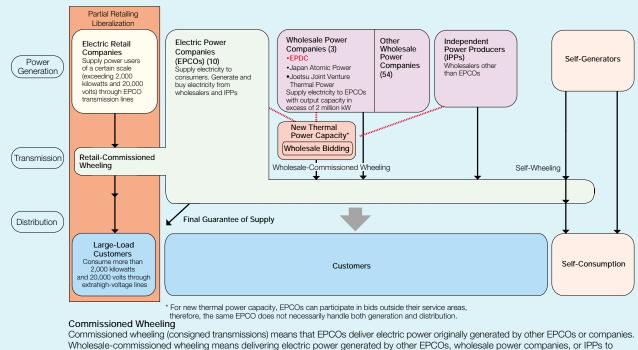
Under the existing system, the framework of our electricity wholesaling business remains unchanged, except for new thermal power facilities. But the reality is that many companies have entered the power wholesale and retail business, prompting EPCOs to demand lower costs and better quality from us

We do not envisage significant demand increases for power amid the inevitable intensification of competition. Accordingly, we will take full advantage of the human and technological resources and expertise that we have

#### Reference—Japan's Electric Power Industry Structure

Japan's electric power industry structure comprises four types of power suppliers: electric power companies (EPCOs), wholesale power companies, independent power producers (IPPs) and electric retail companies.

The 10 major EPCOs, have an obligation to serve as a default supplier in each service area. Wholesale power companies are power companies such as EPDC with a generating capacity of more than two million kilowatts, selling their output to EPCOs. IPPs are defined as wholesale companies that emerged from the 1995 revision of the Electricity Utilities Industry Law. IPPs supply power for EPCOs based on a



EPCOs outside their service area. Self-generator refers to a regular company sending electric power generated internally, to its own plants and other operations. Retail-commissioned wheeling means that electric retail companies retail power to large-load customers. EPCOs set wheeling service rates and terms and notify METI. All such information is available to the public.

accumulated through power wholesaling, to aggressively enter new business areas. These include wind generation, utilization of refuse-derived fuel (RDF), PFI projects, and IPP operations overseas. The goal is to make these areas important pillars for the future.

We will pursue progress and growth by overcoming the challenges of a deregulated market. The way in which we focus the full thrust of our corporate efforts on strengthening our business domains and sharpening our competitive edge will be the key to our success in the future.

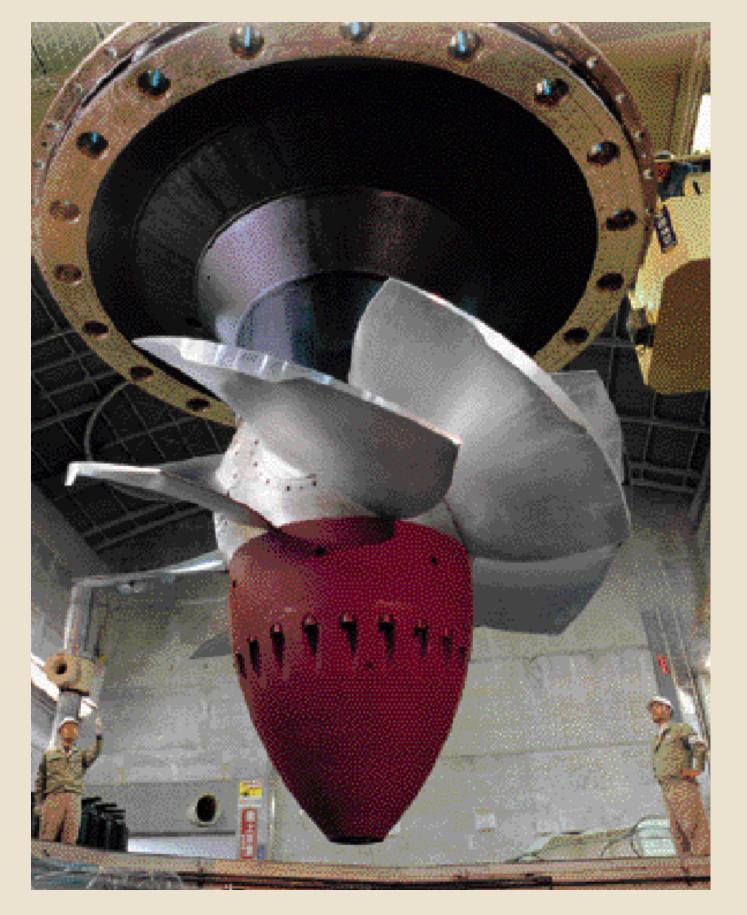
bidding procedure and long-term contracts with EPCOs. IPPs have been awarded projects since the first bidding solicitation in 1996 and some of them have already started operation.

Since the 1999 revision of the law opened retail competition from March 2000, electric retail companies are able to sell electric power to the large-load customer class.

Other than the four aforementioned types of suppliers, self-generators generate power for their own consumption, and others in the industry provide power within specific areas like industrial complexes.

## Hydroelectric Power Generation

Harnessing Years of Expertise to Ensure Stable Electricity Supplies



We have built and run hydroelectric power stations for more than 40 years. As of the end of March 2001, our 58 hydroelectric power stations in Japan had a total capacity of 8,261 megawatts, accounting for 18% of Japan's hydroelectricity, the largest share in the nation.

#### **Operations**

At the first stage in our history, we developed large hydroelectric power stations such as the Sakuma Hydroelectric Power Station, which started operations in 1956. We then moved on to develop medium-sized hydroelectric power stations to match rising demand. We also develop large-scale pumped storage power stations, which are perfect for adjusting capacity to meet peak demand. We have a technological advantage in the construction of dam facilities and large underground structures. In the maintenance of power stations, we have achieved credibility and stability of supply.

#### **Future Development**

EPDC is researching and developing diagnostic technologies for power stations, substations, engineering facilities, and preventive and early-warning technologies. We employ the fruits of such work to improve maintenance and emergency responsiveness, and to dramatically reduce downtimes from accidents while planning, repairing and redeveloping our power stations. Since 1991, specialized teams have conducted inspections to determine deterioration, on top of regular checks.

In Japan, there are fewer sites available for large-scale hydroelectric development. The trend is now toward small and medium-sized power stations, in line with reducing environmental impact. EPDC is promoting development and refurbishment of small and medium-sized hydroelectric power stations. At the same time, we will also create smaller hydroelectric power stations.

We have acquired ISO 14001 certification at our Okutadami-Otori Hydro Project Construction Office, while the Engineering Department received ISO 9001 and ISO 14001 certification. These qualifications testify to our commitment to consistent quality in everything from development to maintenance and to our dedication to environmental protection.



Sakuma Dam (Sakuma Hydroelectric Power Station), Shizuoka Prefecture



Okinawa Yanbaru Seawater Pumped Storage Power Plant, Okinawa Prefecture

#### •Seawater Pumped Storage Power Plants

These plants use seawater as the lower reservoir. This approach cuts dam construction costs. There are also many potential sites for such facilities. Here, the main challenges are to improve the corrosion-resistance of pumps and other equipment made of metals, and to ensure that the seawater does not penetrate the ground.

To resolve these issues, METI commissioned us to build the world's first seawater pumped storage power plant, the Okinawa Yanbaru Seawater Pumped Storage Power Plant, in Okinawa, with a maximum output of 30 megawatts. Pilot operations began in March 1999.

## **Thermal Power Generation**

We Are Harnessing Advanced Power Generation Technologies to **Preserve the Environment while Enhancing Economy** 



EPDC operates seven coal-fired and one geothermal power station in this category. We specialize in coal-fired power generation.

### **Coal-Fired Power Generation Operations**

As of March 31, 2001, we operated seven coal-fired power stations with a combined output of 7,742 megawatts. We are the largest coal-fired thermal power station operator in Japan, with a 27% share of nationwide output.

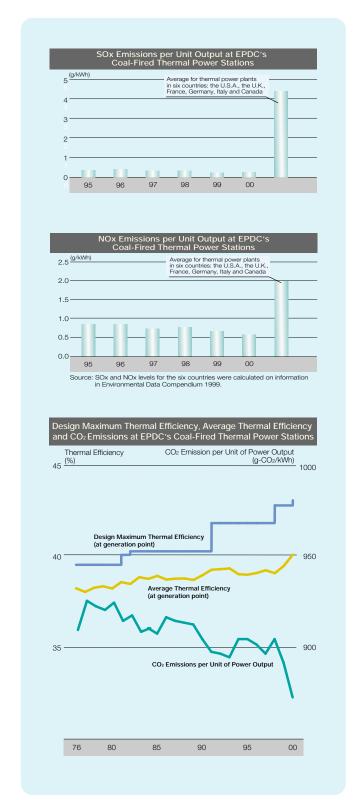
EPDC entered the coal-fired power field in the late 1960s to assist the domestic coal industry. Later, we began planning power stations fueled by imported coal to diversify sources of energy, and became the first in Japan to operate such power stations.

We have diversified procurement channels of overseas coal, from Australia, China, the United States, South Africa and Indonesia. Imports are based on both long-term and spot contracts. We have invested in overseas coal mine developments to secure long-term stability in coal supply, notably the Blair Athol and Ensham projects in Australia.

#### Improving Power Generation Efficiency

EPDC already operates the most heat-efficient power generating facilities in Japan. Improvements in power generation efficiency are dependent on raising the temperature of steam at the entrance of the turbines. We have already reached a turbine temperature of 600°C at the Tachibanawan Thermal Power Station which went on line in 2000. Higher thermal efficiency lowers carbon dioxide emissions. We are currently researching techniques to reach the 630°C threshold.

EPDC has done much to suppress emissions of carbon dioxide, as well as nitrogen oxides (NOx) and sulfuric oxides (SOx) that cause pollution and acid rain. We are the first company in Japan to use flue gas desulfurization facilities at a thermal power station and the first in the world to develop the technology for denitrification systems. We have cooperated with efforts in Europe and China to introduce environmental technologies. We have many achievements to our credit worldwide, particularly in safeguards for coal-fired generation.



#### **Future Development**

To cope with global warming, EPDC continues to promote technological development in coal-fired, high-efficiency power generation, an area of continuous involvement. At the same time, while considering a bidding system for new thermal power projects, we must reinforce our cost-competitiveness by innovating engineering, procurement and construction methods for new power stations. For existing power stations, we are developing life-expectancy analysis technologies to establish the life extension and are expanding the use of coal fuels that are lower priced.

#### Ultra Super Critical (USC) Technologies

USC technologies dramatically improve the generating efficiency of thermal power stations by raising steam temperature and pressure. In recent years, these technologies have been applied to the No. 2 Unit of Matsuura Thermal Power Station, and the No. 1 and No. 2 units of the Tachibanawan Thermal Power Station. Such power stations greatly contribute to the improvement of generating efficiency in our country.

#### Pressurized Fluidized-Bed Combustion (PFBC)

This technology minimizes NOx. Desulfurization during combustion takes place within a boiler. This eliminates the need for flue gas desulfurization units, resulting in small space utilization. With PFBC technology, the fluidized bed combusts under pressure. The resulting hot, pressurized gases drive a gas turbine

Gas and steam turbines combine to generate electricity at greater efficiency. For five years, from 1994, we had performed a PFBC demonstration test.

Today we develop advanced pressurized fluidized-bed combustion (A-PFBC) based on PFBC technologies to increase efficiency through higher gas turbine inlet temperatures from 850°C to 1,350°C. With Japanese government support, we perform A-PFBC process development unit tests at Wakamatsu Coal Utilization Research Center from 2001 with the co-operation of Chubu Electric Power Co., Inc.

#### **Geothermal Power Generation**

Geothermal energy is renewable and emits almost no carbon dioxide. EPDC started geothermal studies around Japan in 1960. In 1975, we started operating the Onikobe Geothermal Power Station in Miyagi Prefecture, a 12.5-megawatt facility. We have completed development and environmental impact surveys for the Oguni Geothermal Power Development Project in Kumamoto Prefecture. This facility will have a capacity of 20 megawatts.

#### Integrated Coal Gasification Combined Cycle (IGCC) Power Generation

IGCC systems are highly efficient. They gasify and burn coal gas to drive a gas turbine. Waste heat runs a steam turbine. Boosting gas turbine temperature and pressure improves efficiency even further. We are participating in an IGCC demonstration project with EPCOs to commercialize this technology.

## Coal Energy Application for Gas, Liquid and Electricity (EAGLE)

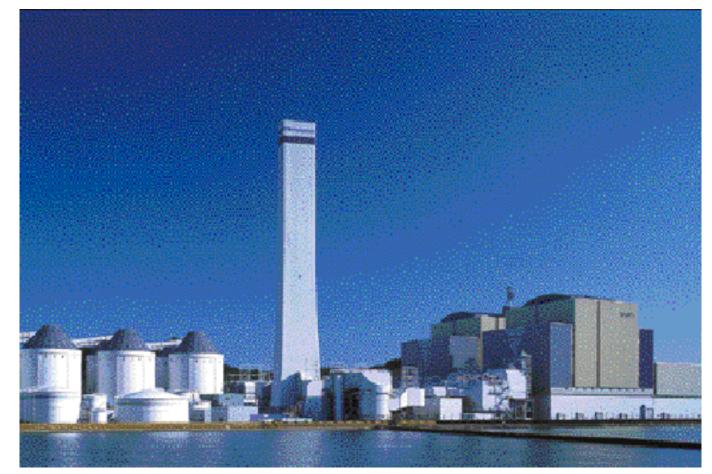
To utilize coal as a fuel for fuel cells, the coal must be gasified and refined to remove dust and sulfur. The Japanese government and the New Energy and Industrial Technology Development Organization (NEDO) have funded us to build and operate an EAGLE pilot plant to help develop systems to manufacture coal gas suitable for fuel cells.

We began constructing this facility in 1999. Test operations will run for five years, from 2001. At the same time, we will test solid-oxide fuel cells. Our success in both programs will lead to the world's first integrated coal gasification fuel cell (IGFC) technology.

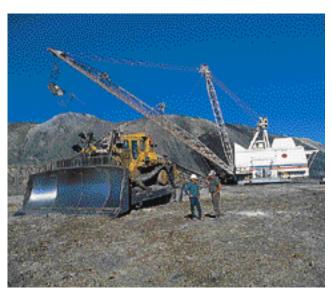
IGFC could deliver a thermal efficiency of around 60%, compared with about 40% for conventional coal-fired generating systems. IGFC could thus become as important as liquified natural gas (LNG) combined-cycle setups.

NEDO commissioned us to develop several related technologies. One is for a binary-cycle power plant to tap geothermal energy. Another is to innovate technologies to evaluate reservoir fluctuations. The goal here is to make geothermal facilities safer and contribute to progress in surrounding areas.

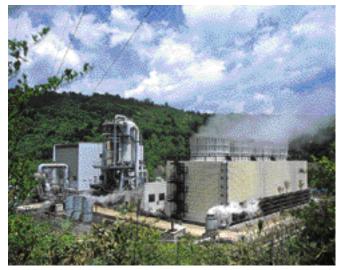
We are working closely with NEDO in research to promote geothermal development promotion in promising regions where such work has yet to be conducted.



Tachibanawan Thermal Power Station, Tokushima Prefecture



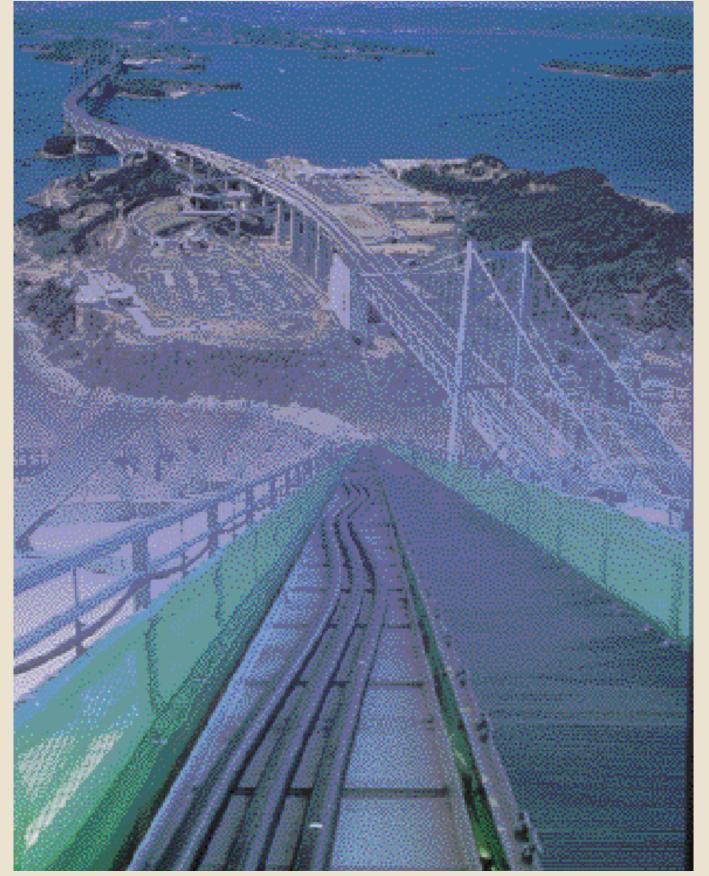
Blair Athol Coal Mining Project in Australia



Onikobe Geothermal Power Station, Miyagi Prefecture

## **Transmission Lines, Substations and Communications**

A Nationwide Grid of **Extrahigh-Voltage Transmission Lines Improves Power Usage Efficiency** 



a total of eight substations, frequency converter stations and alternating current/direct current (AC/DC) converter stations, plus a telecommunications network.

#### **Transmission and Substation Facilities**

Our transmission and substation facilities link hydroelectric power stations in each area, contributing to the overall operations of the whole power system in Japan.

In 1965, we built the Sakuma Frequency Converter Station, which links Eastern Japan's 50-hertz power system with the 60-hertz setup of Western Japan. We have also connected EPCO service areas. The Tadami Trunk Line links the Tokyo and Tohoku regions. The Miboro Trunk Line unifies the 60-hertz systems of the Chubu, Hokuriku and Kansai areas.

We have broadened power supply capabilities with extrahigh-voltage power transmission lines spanning the entire nation. We built the ±250-kilovolt Kitahon High Voltage (HV) DC Link, which stretches 167 kilometers and crosses the Tsugaru Straits between Honshu and Hokkaido. We constructed the 500-kilovolt Honshi Interconnecting Line between Honshu and Shikoku via the Seto Ohashi Bridge, and the Kanmon Interconnecting Line between Honshu and Kyushu. To supply energy from the Tachibanawan Thermal Power Station in Anan, Tokushima Prefecture, to the Kansai area, we built Japan's first 500-kilovolt HVDC link with Kansai Electric Power Co., Inc., and Shikoku Electric Power Co., Inc., and it began operation in 2000. This line spans the Kii Channel between Honshu and Shikoku with submarine cables. The line won the Minister of Education's Science Prize in the 30th annual Japan Industrial Technology Awards. The line is critical to developing new sources of power and ensuring stable electricity supplies. It will also allow us to more swiftly serve a growing need for transmission lines as a result of deregulation.

DC links transmit power far more economically than AC counterparts for long distances and through submarine cables. In 1965, EPDC was the first in Japan to adapt HVDC technology from overseas, when it opened the Sakuma Frequency Converter Station. We have remained the leader in this field. We are currently evaluating the availability of selfcommutated converters to power grids.

# At March 31, 2001, EPDC maintained a nationwide network of 2,400 kilometers of transmission lines and

#### Telecommunications Network

EPDC coordinates nationwide operations with microwave radio circuits with a total route length of 5,240 kilometers, fiber-optic cables with a total length of 680 kilometers, and data communications links. These links contribute greatly to the stability of Japan's power system. We have stepped up telecommunications R&D to improve our ability to handle the increasing volume and complexity of information.

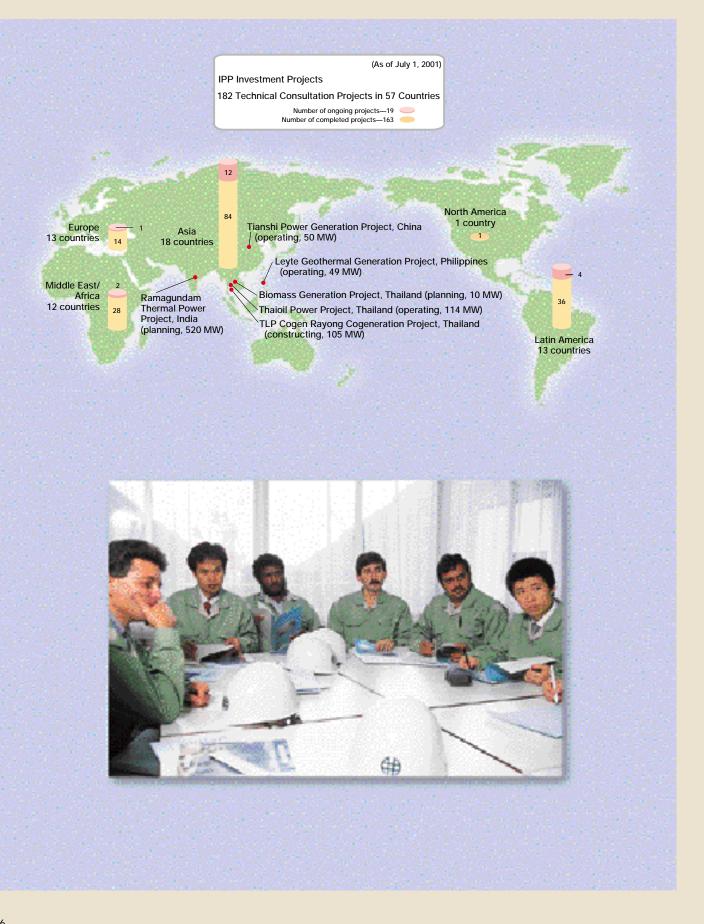


#### Comprehensive Operations at Central Load Dispatching Center

EPDC's nationwide power stations are integrated with those of its 10 EPCO customers. The hub of our system is the Central Load Dispatching Center at our Tokyo Head Office. The center controls generation at all our power stations, manages reservoir usage schedules at our large dams and provides EPCOs with emergency electricity. Control centers in north, east, central and west Japan manage our hydroelectric power stations, substations, and frequency and AC/DC converting facilities.

## International Activities

### We Are Fully Launching IPP Operations and Other Investment Projects



The Company has provided consultation on technological assistance power development overseas for nearly 40 years. We have recently drawn on this expertise to build consultation businesses for IPP investment projects and conservation.

#### Operations

Our cumulative overseas technical consultation for electric power development, surveys, design and construction, supervision and management of transmission and substation facilities reached 182 projects in 57 countries (as of July 2001).

Our prime role in consultation is to provide technologies for designated hydroelectric and thermal power stations, transmission lines, substations and other electricity projects. In these areas, we receive commissions from Japanese organizations like the Japan International Cooperation Agency (JICA) to conduct basic surveys related to Japan's technological assistance plans, feasibility studies, and detailed designs for government-based contracts and for contracts between ourselves and foreign governments. In addition, we provide design, construction management and other services for private sector contracts.

The liberalization and privatization of the electric power business has accelerated around the world, leading to the swift spread of IPPs. In July 1997, we formed the IPP Business Office within the International Activities Department to spearhead our involvement in IPP projects. This move was in line with our goal of making the IPP business a core revenue source by taking advantage of our ample expertise from our consultation activities.

We recognize that it is our duty to help resolve global environmental issues in the energy field. Our participation in the international thermal power field thus includes environmental facilities. For example, we provide technical assistance to reduce nitrous and sulfur oxide emissions at coal-fueled power stations in the European Union. We are helping Eastern European countries beset by acid rain by recommending ways to optimize the desulfurization of emissions. In China, we have demonstrated desulfurization technologies for ash with high sulfur concentrations and have transferred key technologies. As part of joint efforts agreed to COP3 discussions in 1997, we are also involved in projects to enhance thermal efficiency at power stations in other Asian nations and in Russia. EPDC employees are seconded to work as specialists for the Japanese government in technological transfers overseas.

We have sent 199 employees to 35 countries. In addition, we

accept foreign trainees—1,908 to date—to help developing nations improve their technological standards and cultivate a human resources foundation to handle technical and capital assistance for those countries.

#### **Future Development**

The opposite page highlights our current IPP investment projects. Several have already been completed. They include a 49-megawatt geothermal power project in Leyte, the Philippines, a 50-megawatt waste coal-fired power project in Tianshi, China, and a 114-megawatt gas cogeneration project in Bangkok, Thailand. Projects under way include a 105megawatt gas cogeneration project in Rayong, Thailand. We plan to invest in a 520-megawatt coal-fired thermal power project in Ramagundam, India, and in an approximately 10megawatt biomass power project in Thailand. We aim to expand our investments to a total of around ¥50 billion by fiscal 2005.

To help reduce global environmental impact, it is increasingly important to develop dispersed power sources and utilize recyclable energy sources, such as solar heat, wind and small-sized hydroelectric power capabilities, in addition to conventional hydroelectric and thermal power sources. At the same time, it is crucial to upgrade pumped storage power generation and reinforce transmission line systems to boost operating efficiency, stabilize power systems and secure appropriate reserve margins. We have, therefore, built pumped storage power stations in Thailand and India and offer consulting on the interconnection project in the Philippines.

We will continue to forge ahead with IPP and consulting businesses to meet the needs of developing nations and help the environment.

#### ISO Certification Achieved

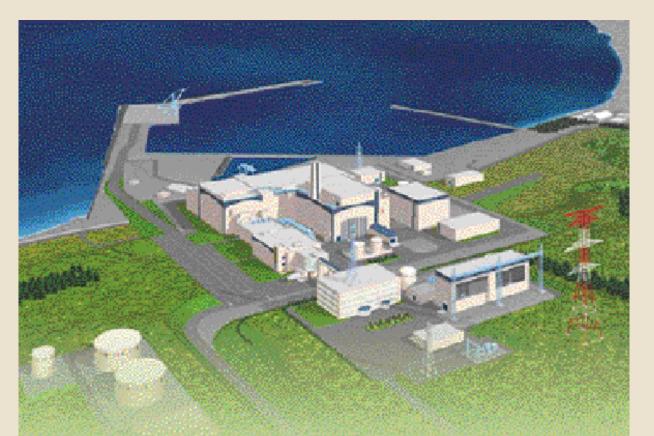
In September 1998, our International Activities Department achieved ISO 9001 certification, exemplifying the measures we have taken to offer high-quality technology and services.



ISO 9001 Certification Achieved on September 11, 1998

## **Nuclear Power Generation**

### Safety—Our Top Priority in Developing Nuclear Energy



#### •Construction Plan of Oma Nuclear Power Station

Location	Oma-machi, Shimokita-gun, Aomori Prefecture	
Power Generating Capacity	1,383 MW	
Site Area	Approximately 1,320,000 m <sup>2</sup>	
Type of Reactor	Advanced Boiling Water Reactor (ABWR)	
Type of Fuel	Low enriched uranium and mixed oxide (MOX)	
•Schedule		
Aug. 1998	Compensation agreement for fishery concluded	
Sept. 1998	Dossier on environmental impact assessment su report submitted to MITI General briefing held in Oma	rvey
Dec. 1998	The first public hearing held by MITI in Oma	
Aug. 1999	Project approved by the 141st Electric Power De Coordination Council	evelopment
Sept. 1999	Application for permission to install reactor subm	itted to MITI
Projected Schedule		
Mar. 2003	Construction start up	
July 2008	Operation start up	

In fiscal 2000, nuclear power accounted for about 35% of all electricity generated in Japan. Nuclear power generation is expected to play an even more important role, because it offers several key advantages, notably stable supply and pricing. It is also free of carbon dioxide emissions, thereby lowering environmental impact.

#### Operations

We began to study nuclear power in 1954. Japanese basic nuclear power policy is to establish systems to recycle spent uranium and plutonium, as energy resources are scarce in Japan. Since 1969, we have worked closely with the Power Reactor and Nuclear Fuel Development Corp., currently called the Japan Nuclear Cycle Development Institute to design, build and operate the 165-megawatt Fugen Advanced Thermal Reactor and the 280-megawatt Monju Fast-Breeder Reactor, both in Fukui Prefecture. Based on our expertise accumulated through those projects, particularly in plutonium usage, we plan to build our first nuclear power station in Aomori Prefecture.

#### •Type of Reactor

#### Advanced Boiling Water Reactor (ABWR)

The ABWR at Oma Nuclear Power Station is a leadingedge facility that builds on construction and operation expertise from nearly 100 BWR plants worldwide. This facility is backed by the Japanese government, domestic and overseas manufacturers, and EPCOs. ABWRs are already in commercial operation at units No. 6 and No. 7 of Tokyo Electric's Kashiwazaki-Kariwa Nuclear Plant, where their superior performance has been confirmed. Other EPCOs are also building ABWRs, which offer the following advantages:

- •Enhanced safety and reliability
- •Reduced occupational radiation exposure
- •Reduced radioactive waste
- •Enhanced operability and maneuverability
- Improved economy

Uranium is the prime fuel for most ABWR systems, but the facility at our Oma Nuclear Power Station is designed to use MOX fuel for the whole reactor core. Our design efforts include developing large capacity main steam safety relief valves.

#### **Oma Nuclear Power Station**

Oma Nuclear Power Station, aimed to be a full MOX advanced boiling water reactor (full-MOX ABWR), is supported by the Japanese government and EPCOs. This facility's role is to expand the flexibility of plutonium usage plans for light-water reactors in Japan.

The Nuclear Safety Commission's Special Committee on Safety Standards of Reactors issued a report in June 1999 on full reactor core loads for mixed oxide fuels at ABWRs. This report confirmed that the safe design and assessment methods established for a uranium-fueled regular boiling water reactor (BWR) are applicable to full-MOX ABWR.

#### MOX Fuel Usage

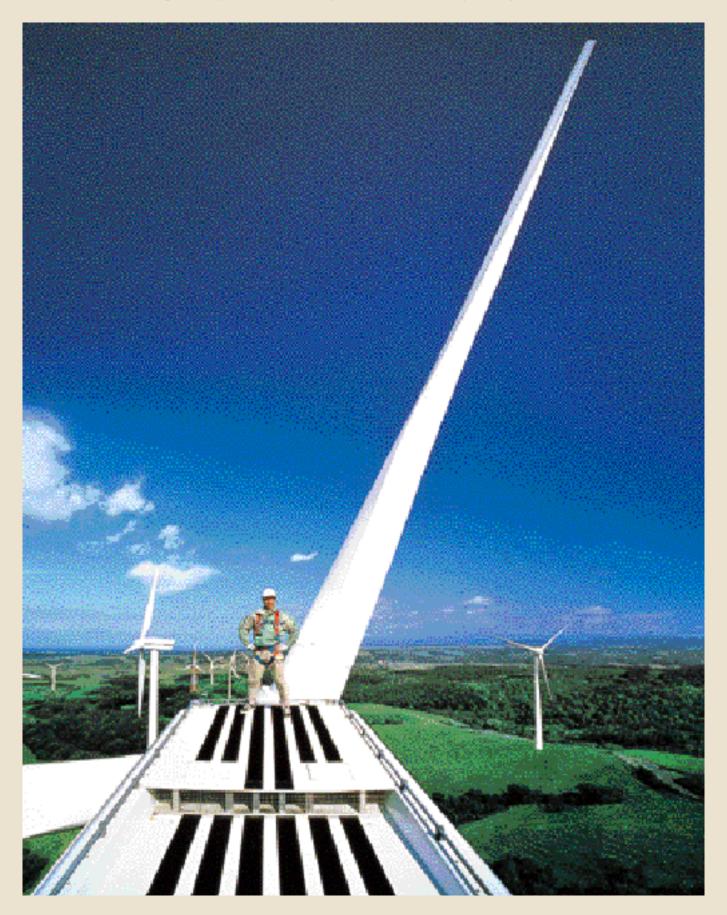
MOX fuel is a mixture of oxidized uranium and plutonium. In Japan, six units of light-water reactors run on this fuel. Its usage is also planned for Tokyo Electric's Fukushima Daiichi Nuclear Power Station and Kashiwazaki-Kariwa Nuclear Power Station. MOX fuel has long been used overseas, particularly in France, Germany, Belgium and other European countries. More than 2,000 MOX fuel units have been used over the past 30 years.

MOX Utilization (As of August 1999) 1,000 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,000 1,008 1,008 1,000 1,008 1,008 1,000 1,008

The Fugen Advanced Thermal Reactor has used more than 700 MOX fuel units.

## **Business Development**

### **Responding to Social Changes and Diversifying Energy Demand**



To expand and maintain its long-term profit foundations, EPDC is creating new businesses that can complement existing operations.

#### New Businesses Taking Advantage of Deregulation **IPP Business**

The introduction of an open-bidding system for thermal power development projects has intensified competition. But this transformation has also provided EPDC with many new opportunities. General companies with spare land can now form partnerships with us.

#### **Decentralized Power Generation Business**

As our first step in building our decentralized power generation business, affiliate KAIHATSUDENKI Co., Ltd., has invested in the Japanese operation of Capstone Turbine Corporation of the United States, and is participating in operations that use that company's microturbines. We assist that partnership with our Group expertise and provide and maintain products in line with local needs.

#### Businesses that Reflect Social Concern for the Environment

#### Waste-Fueled Power Generation

We are responding to growing social demand to tap energy from waste to reduce dioxin pollution and otherwise help the environment. We have received commissions from many local government bodies to assess ways to convert waste into electricity. We have also launched Japan's first RDF fuel generation project. In the years ahead, we will continue to expand our interim waste processing operations.

#### Wind Power Generation

We are involved in various technologies that use natural energy, as part of which we started commercial wind power generation in Hokkaido. We are constructing Japan's biggest wind farm, in the Tohoku region. We are evaluating wind conditions at other promising sites.

### Public Infrastructure Projects Funded by the Private Sector

#### Private Finance Initiatives

The door is now open to the private sector to fund public infrastructure projects that were once government preserves. In this area, we offer a host of services for PFIs, including engineering, construction, machinery and electrical technologies, as well as project planning and management.

Together with Ishikawajima-Harima Heavy Industries Co., Ltd., and Shimizu Corp., we won our bid on a PFI-based power project for the Tokyo Metropolitan Waterworks Bureau's Kanamachi Filtration Plant. We installed cogeneration facilities at the site in October 2000, and will supply power and steam for the next 20 years.

#### Power Generation-Related Businesses

#### **Telecommunications Services**

From April 2001, we are drawing on and extending our fiberoptic cable network, installed alongside transmission lines to provide dark fiber services to carriers in Japan and overseas, together with Nagoya Railroad Co., Ltd., and Kinki Nippon Railway Co., Ltd.

#### Energy Systems Support

EPDC provides a variety of services, typified by our APLAS21 plant operation management system, based on its power plant construction and management expertise.

#### Other Businesses

We were the first in our industry to start using computer-aided design technology. We have started selling our global information system, which incorporates our expertise. We plan to commercialize other systems in the years ahead, including environmental products.

#### •Wind Power Generation

Much attention is focused on wind power as a clean and renewable energy source. Europe, India, China and Japan have swiftly introduced wind power systems in recent years. By the end of March 2001, total installed capacity is approximately 134 megawatts in Japan. Drawing on our experience in electricity wholesaling, we are pushing ahead with plans of large-sized wind power businesses, paying particular attention to grid harmonization issues.

In April 1999, we established a subsidiary company in Tomamae-cho, Hokkaido, called Dream-Up Tomamae Co., Ltd. It started operations with a capacity of 30.6 megawatts in December 2000. In April 2000, we also established a subsidiary company in Nikaho-cho, Akita Prefecture, called Nikaho Kogen Wind Power Generation Co., Ltd. This 24.8megawatt facility will come on line in December 2001.

#### • RDF Fuel Generation

RDF consists of compressed pellets made from municipal waste. The calorific value of RDF is far higher than that of ordinary waste. RDF also burns more stably, and storage and transportation is easier. The plant's flue gas system uses activated carbon to almost completely disintegrate dioxins. In January 1999, we joined with the Fukuoka Prefectural Government and the Omuta City Government to establish Omuta Recycle Power Co., Ltd., and began construction in March 2001. This joint venture, the nation's first RDF business, will ao on line in 2002.

## **Conservation of the Environment**

**EPDC** Tackles a Wide Range of Global and Local Environmental Issues



Conservation of the environment is a crucial management priority for EPDC. While ensuring stable supplies of electricity, we tackle global and local environment issues at all stages of planning, design, construction, and operation of our projects. We always conduct environmental impact assessments before implementation of power projects and minimize negative effects such as air pollution at thermal power stations.

In March 2000, we established the company Environmental Management Regulations to reinforce our initiatives for the environment. We have introduced an environment management system in accordance with ISO 14001, and formulated our Environmental Policy in June 2000.

## Environmental Policies

#### **Basic Policy**

To minimize the environmental impact of the operations of our company, we maintain a definite environmental management system. We take hearty action for conservation of global and local environment and keep in close contact with the society to contribute to sustainable development of the world.

#### Global and Local Conservation of the Environment

•We improve energy efficiency and promote nuclear power, renewable and untapped energy, and the development of new technologies for conservation of local environments. We contribute to conservation of the global environment by transferring our advanced environmental technologies overseas. •We reduce waste and reuse and recycle resources in all our activities.

•In constructing and operating power facilities, we adopt various measures to minimize environmental impact and to accommodate with the regional environment.

#### Strengthening Environmental Management

•We formulate and deploy efficient environmental management system. •We identify the environmental impact of our activities and strive to meet goals to reduce that impact.

#### Communicating with Society

•We publicize our conservation efforts for conservation of environment to gain community understanding of the society for our activities.

•As a good corporate citizen, we keep in close touch with local communities through our initiatives for the environment.

### Specific Measures against Global Warming **Controlling Greenhouse Gas Emissions**

In order to control carbon dioxide emissions from coal-fired thermal power stations, we improve efficiency while pursuing ways to conserve energy and conducting technological research and development in all areas of operations (for details, please see page 10).

As nuclear power is free of carbon dioxide emissions, it is virtually considered to be an efficient source of energy and an excellent way to prevent global warming. We are currently preparing to launch operations at the Oma Nuclear Power Station in 2008 (see page 18).

We are also promoting the use of untapped and renewable energy sources such as waste and wind power (see page 20).

With the experience and knowledge we have gained through constructing hydroelectric and geothermal power facilities, we operate existing facilities safely, while endeavoring to develop new sources of energy despite the limitation of new sites.

#### Carbon Sequestration, Fixation and Capture

We have started afforestation efforts overseas to economically sequestrate and capture carbon dioxide. We will continue R&D into carbon sequestration, fixation and capture techniques.

#### Preparation for Kyoto Mechanisms

We believe that incorporating the Kyoto Mechanisms in our operations will help control carbon dioxide emissions both in Japan and elsewhere. We are considering applying our experience of technological support and knowledge to the Kyoto Mechanisms such as Joint Implementation and Clean Development Mechanism provisions.

### Specific Mitigation Measures for the Local Environment

#### Minimizing Environmental Impact from Thermal Power Stations

We minimize environmental impact from thermal power stations by installing equipment and reducing air pollution and water pollution through suitable operations (see page10).

#### Cutting Waste through Recycling and Reuse

To reduce waste such as coal ash from power generation, we recycle waste while promoting energy-saving and recycling initiatives throughout the Company and recycling products through affiliates.

We reuse coal ash in cement and fertilizers. We use driftwood from our reservoirs for charcoal production and wood vinegar production.

#### **Controlling Harmful Chemicals**

We manage specified chemical substances to keep in line with the Pollutant Release and Transfer Register Law and the Law Concerning Special Measures against Dioxins. We store polychlorinated biphenyl according to the controls specified by the Waste Management Law and are evaluating disposal plans for the future.

#### **Environmental Impact Assessment**

When planning and designing power stations, we conduct detailed surveys of sites and their surroundings to forecast and evaluate environmental impact. We also adopt effective mitigation measures in assessment to reduce the impact of the project on the environment.

#### Conservation of the Environment

During construction of new power stations, we implement environmental protection measures to harmonize with the environment.

We take efforts to minimize impact on surrounding ecosystems by mitigation measures such as creating biotopes\* and to protect rare species to ensure biodiversity. \*Biotope is a word compounded of "bio: life" and "tope: space".

#### Transferring Environmental Technologies Overseas

We transfer environmental technologies for thermal power stations and hydroelectric power stations to foreign countries by providing consulting engineering services.

#### **Promoting Environmental Management**

To further promote environmental management to our power stations and branch offices, we are going to introduce companywide environmental management system based on ISO 14001 standards in fiscal 2001. We are operating this system effectively through education and training. We are also scheduling to introduce an environmental accounting system to strengthen environmental management.

In June 1999, the Matsuura Thermal Power Station obtained ISO 14001 certification. The Okutadami-Otori Hydro Project Construction Office obtained ISO 14001 certification in September 1999, as the first in Japan for a construction organization. In addition, the Engineering Department obtained ISO 14001 certification in February 2001 for its work in planning, designing and engineering electric power facilities.

#### Communicating with Society

We communicate with society through public relations efforts that highlight our environmental activities, such as publishing our annual environmental activity report. We also participate in local environmental activities, such as regional cleanup campaigns

### Summary of Business Results

During fiscal 2000, ended March 31, 2001, the Japanese economy showed signs of a recovery on the strength of higher corporate earnings and capital investment. Later in the term, however, the economy stopped improving, as consumer spending dwindled amid concerns about worsening unemployment and the U.S. economy decelerated.

Against this backdrop, residential power demand increased, mainly for air conditioning and heating, while industrial demand expanded slightly. We marketed 48.9 billion kilowatthours of electricity during the term, up 22.8% from a year earlier. Of this total, hydroelectric power increased 1.5%, to 9.9 billion kilowatt-hours, reflecting a 102.0% surge in water flow rates. Owing to higher capacity utilization rates and the bringing of new facilities on line, the portion of the total generated by thermal power stations soared 29.8%, to 39.0 billion kilowatt-hours.

Operating revenues advanced 10.0%, to ¥495,307 million, while ordinary revenues were ¥500,493 million, up 10.5%.

Operating expenses climbed 11.7%, to ¥384,937 million. This was despite cost-cutting endeavors and was due to increased depreciation on new facilities and a shift to new termination and retirement allowance accounting standards. Ordinary expenses rose 10.8%, to ¥465,158 million.

As a result of these factors, gross profit improved 7.3%, to ¥35,334 million. Net income jumped 16.2%, to ¥14,757 million.

During the term, we completed and started operations at units No. 1 and 2 at the Tachibanawan Thermal Power Station in Tokushima Prefecture, with a total capacity of 2,100 megawatts. We also began operating the Anan-Kihoku HVDC Link connecting Tokushima Prefecture and Wakayama Prefecture, and AC/DC converter stations. Replacement of Unit No. 1 at the Isogo Thermal Power Station in Kanagawa Prefecture and the extensions at the Okutadami and Otori power stations in Fukushima Prefecture proceeded smoothly. Electric power companies shelved some capital investment plans in light of lower long-range power demand forecasts, which caused postponements on some of our development projects.

Internationally, we participated in a 50-megawatt thermal power IPP project in Tianshi, China, and a 105-megawatt gas cogeneration project in Rayong, Thailand. We received nine consulting orders, including from two new countries. To date, we have participated in 182 projects in 57 countries as a technical adviser.

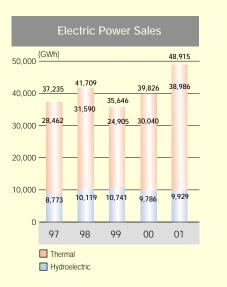
In new business fields, during the term we began operations at a wind farm in Tomamae-cho, Hokkaido, and a PFI power project at the Kanamachi Filtration Plant, in Katsushika Ward, Tokyo. We made steady progress in power generation using RDF in Omuta, Fukuoka Prefecture, as well as in new projects in wind power generation and RDF fuel generation.

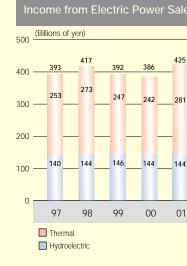
#### **Five-Year Review of Operations**

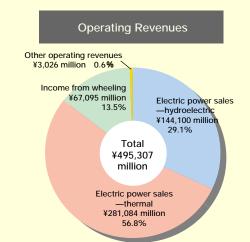
Years ended March 31	1997	1998	1999	2000	2001
Power generating capacity (kW)					
Hydroelectric	8,252,800	8,260,800	8,260,800	8,260,800	8,260,800
Thermal	4,654,500	5,654,500	5,654,500	5,654,500	7,754,500
Total	12,907,300	13,915,300	13,915,300	13,915,300	16,015,300
Power generation (GWh)					
Hydroelectric	12,218	13,729	14,415	12,596	12,550
Thermal	30,769	34,024	26,991	32,406	41,945
Total	42,987	47,753	41,406	45,002	54,495
Electric power sales (GWh)					
Hydroelectric	8,773	10,119	10,741	9,786	9,929
Thermal	28,462	31,590	24,905	30,040	38,986
Total	37,235	41,709	35,646	39,826	48,915
Income from electric power sales (Millie	ons of yen)				
Hydroelectric	¥139,834	¥143,997	¥145,643	¥144,114	¥144,100
Thermal	252,731	272,851	246,830	241,604	281,084
Total	¥392,565	¥416,849	¥392,474	¥385,719	¥425,184

#### Trends of Projected Fund-Raising for Capital Investment

					5
Capital investment	¥189	¥205	¥203	¥214	¥174
Redemption of debt	81	105	355	114	151
Total funds needed	¥270	¥310	¥558	¥328	¥324
Total funds raised from inside	90	89	153	119	113
Depreciation and amortization	80	94	95	99	127
Total funds raised from outside	180	222	405	209	211
Bonds (funds raised)	74	99	151	169	158
Loans	106	123	255	40	54
Japanese government special funds	106	100	0	0	0
Private loans and others	0	23	255	40	54
Total funds raised	¥270	¥310	¥558	¥328	¥324

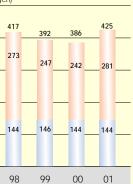








Billions of yen



## Financial Statements

#### Non-Consolidated Balance Sheets As of March 31, 2001 and 2000

	Millions	Millions of yen		
ASSETS	SETS 2001		2001	
Utility plant (Notes 1 and 2):	¥ 2,215,372	¥2,161,108	\$ 17,737	
Electric utility plant, less contribution-in-aid	3,478,184	2,909,565	27,847	
Accumulated depreciation (Note 1)	(1,625,357)	(1,509,334)	(13,013)	
	1,852,826	1,400,231	14,834	
Construction in progress	362,545	760,877	2,902	
Investments and other assets:	40,930	43,546	327	
Investments in securities (Notes 1 and 3)	17,812	17,571	142	
Investments in and loans to subsidiaries and affiliates	2,516	1,785	20	
Long-term loans receivable and others	3,445	12,540	27	
Deferred tax assets	15,695	9,747	125	
Others	1,460	1,901	11	
Current assets:	100,576	78,226	805	
Cash and cash equivalents	2,539	3,524	20	
Marketable securities (Notes 1 and 3)	4,499	5,299	36	
Accounts receivable	67,716	49,295	542	
Production fuel, material and supplies (Note 1)	11,059	6,626	88	
Prepaid expenses and others	12,107	11,565	96	
Deferred tax assets	2,517	1,787	20	
Accounts receivable—overseas technical service	137	127	1	
Total Assets	¥ 2,356,878	¥ 2,282,881	\$ 18,870	

Long-term debt, less current portion (Note 4)
Reserve for termination and retirement allowance (Note 1)

	Millior	Millions of yen	
LIABILITIES AND SHAREHOLDERS' EQUITY	2001	2000	2001
Long-term liabilities:	¥1,924,154	¥1,927,106	\$15,405
Long-term debt, less current portion (Note 4)	1,894,751	1,898,138	15,170
Reserve for termination and retirement allowance (Note 1)	29,403	28,967	235
Current liabilities:	301,738	235,241	2,415
Current portion of long-term debt (Note 4)	157,411	141,560	1,260
Short-term debt	62,500	41,790	500
Accounts payable and accrued expenses	69,160	43,251	553
Income and other taxes payable (Note 1)	12,665	8,620	101
Accounts payable—overseas technical service	_	18	_
Reserve for drought (Note 1):	349	349	2
Contingent liabilities (Note 5)			
Total Liabilities	2,226,241	2,162,696	17,824
Common stock, par value ¥1,000 per share;	70,600	70,600	565
Authorized: 100,000,000 shares			
Issued and outstanding: 70,600,000 shares			
Legal reserve	4,707	4,276	37
Voluntary reserve	26,965	17,882	215
Unappropriated retained earnings	28,364	27,426	227
Total Shareholders' Equity (Notes 6 and 7)	130,637	120,185	1,045
Total Liabilities and Shareholders' Equity	¥2,356,878	¥2,282,881	\$18,870

The accompanying notes to non-consolidated financial statements are an integral part of these statements.

#### Non-Consolidated Statements of Income and Retained Earnings For the years ended March 31, 2001, 2000 and 1999

		Millions of yen	Millions of U.S. dollars (Note 8)	
	2001	2000	1999	2001
Operating revenues	¥495,307	¥450,330	¥451,543	\$3,965
Operating expenses:	384,937	344,493	345,367	3,081
Fuel for production	81,497	80,926	83,444	652
Maintenance	34,730	32,494	35,152	278
Depreciation (Note 1)	126,756	98,918	94,451	1,014
Taxes other than income taxes (Note 1)	20,718	20,367	22,111	165
Others	121,235	111,786	110,206	970
Operating income	110,369	105,837	106,176	883
Other income and deductions:	(75,035)	(72,918)	(73,716)	(600)
Interest expenses	(75,207)	(71,096)	(70,938)	(602)
Expenses on overseas technical service	(1,221)	(1,362)	(1,149)	(9)
Income from overseas technical service	1,534	1,651	1,353	12
Other, net	(139)	(2,109)	(2,982)	(1)
Gross profit	35,334	32,919	32,459	282
Reserve for drought	_	(131)	403	_
Extraordinary loss	(11,670)	(12,645)	_	(93)
Income before income taxes	23,664	20,405	32,056	189
Income taxes (Note 1):	(15,583)	(13,326)	(16,195)	(124)
Deferred income taxes	6,677	5,622	_	53
Net income	14,757	12,702	15,860	118
Detained complete:	27 424	00 EE 4	10.400	210
Retained earnings: Transfer from voluntary reserve	27,426 5,920	23,554	12,430	219 47
Deferred income taxes for previous years		5,913	_	—
Appropriations:	(19,739)	(14,743)	(4,736)	(158)
Transfer to legal reserve	(431)	(431)	(431)	(3)
Cash dividends	(4,236)	(4,236)	(4,236)	(33)
Bonus to directors and statutory auditors	(70)	(72)	(69)	0
Reserve for losses on overseas investments	(2)	(3)	—	0
Voluntary reserve	(15,000)	(10,000)	—	(120)
Unappropriated retained earnings (Note 7)	28,364	27,426	23,554	227
		Yen		U.S. dollars
Per share:				
Net income	¥ 209.04	¥0179.92	¥ 224.65	\$ 1.67
Cash dividends applicable to the year (Note 6)	60.00	60.00	60.00	0.48

The accompanying notes to non-consolidated financial statements are an integral part of these statements

### Notes to Non-Consolidated Financial Statements

#### 1. Significant Accounting Reporting Policies

#### a) Basis of Presenting Financial Statements

The accompanying financial statements have been prepared from the accounts of Electric Power Development Co., Ltd. ("the Company") which are maintained in accordance with accounting principles and practices generally accepted in Japan, which may differ in some material respects from accounting those generally accepted in countries and jurisdictions other than Japan, as well as conforming to the accounting principle for electric utility provided by the Ministry of Economy, Trade and Industry (Former "the Ministry of International Trade and Industry"). However, certain adjustments have been made in order to present the financial statements in a form more familiar to readers outside Japan In addition, the notes to the financial statements include information, which is not required under accounting principles generally accepted in

Japan but is represented herein as additional information. The Company is not regulated by the Securities and Exchange Law of Japan. Consolidated financial statements are not prepared.

#### b) Utility Plant

Utility Plant is stated at the original cost of construction including interest on borrowed funds during the construction period of new plant facilities, less contributions-in-aid received for the construction.

The deduction of contributions-in-aid aggregated ¥103,962 million (US\$832million) and ¥104,180 million as of March 31, 2001 and 2000. c) Depreciation

Depreciation of utility plant is generally calculated over the useful lives prescribed by Japanese tax law. The declining-balance method has been applied to the buildings, structures and machinery and equipment of all facilities, and straight-line method has been applied to the whole facilities, except environmental protection equipment, of Matsuura and Tachibanawan Thermal Power Station Among the above, the Company changed its method of depreciation for buildings acquired on or after April 1,1998 from the straight-line

### method to the declining balance method from the year ended March 31, 2000.

#### d) Investments in Securities and Marketable Securities

Investments in securities and marketable securities are stated at cost determined by the moving average cost method. Accounting standards for financial instruments has been applied from the year ended on March 31, 2001. As a result of this change, investments in securities were decreased by ¥593 million (US\$4million) and net income was decreased by the same amount.

### e) Production Fuel, Material and Supplies

Production fuel, material and supplies are stated at cost determined by the monthly average cost method. f) Translation of Assets and Liabilities in Foreign Currencies

Assets and liabilities in foreign currencies have been translated at the exchange rates at the balance sheet dates. Because of the amendment of accounting standards for transaction in foreign currencies, assets and liabilities in foreign currencies have been translated into yen at the exchange rates at the balance sheet dates, other than in effect at the time such assets were acquired or liabilities incurred, from the year ended March 31, 2001. As a result of this change, assets and liabilities in foreign currencies, except for those in current portion, were decreased by ¥130 million (US\$1million) and the same amount of net income was also decreased.

#### g) Reserve for Termination and Retirement Allowances

The Company has a plan for lump-sum termination and retirement allowances for employees. Upon termination of employment or retirement, a lump-sum payment is determined by reference to the employees' current basic rate of pay, length of service and conditions under which the service occurs.

From the year ended March 31, 2000, the Company changed its method of calculating such reserve to the discounted present value of the projected benefit obligations. Formerly, the Company had reserved 40% of the amount which would become payable if all employees were to leave voluntarily as of the balance sheets date.

Accounting standard for retirement benefits ("Public comments concerning accounting standards for post-employment benefits" by the Business Accounting Deliberation Council on June 16, 1998) was adopted from the year ended March 31, 2001. The unrecognized differences arising from accounting changes, ¥10,413 million (US\$83million), incurred by the change of accounting standards have been depreciated in two years by straight-line method. The past service obligations have been depreciated in the same manner. Unrecognized actuarial differences have been depreciated in two years by declined-balance method. As a result of this change, gross profit and income before income taxes were decreased by ¥2,064 million (US\$16 million) and ¥10,106 million (US\$80 million), respectively, compared with amounts computed by the former method. Retirement benefits to members of the Board of Directors and Statutory Auditors are charged to income when authorized by resolution of the

general meeting of shareholders.

#### h) Income Taxes, Enterprise Tax and Taxes Payable

The Company is subject to the corporation income tax and the inhabitant taxes based on income which in the aggregate constituted tax rates of approximately 36%, 36% and 42% on taxable income for the year ended March 31, 2001, 2000 and 1999, respectively. The taxable income under the Japanese tax law is determined with certain adjustment. The Company adopted the tax effect accounting from the year ended March 31, 2000.

The enterprise tax included in 'Taxes other than income taxes' on the statements of income and retained earnings is levied mainly on electric

'Income and other taxes payable' on the balance sheets consist of the total annual amount of income, enterprise, consumption and other

To stabilize fluctuations in income position caused by variations of water level, the Company is required to set up reserve for drought by the Electric Utility Law, which is provided in wet years and reversed in dry years.

#### j) Reclassifications

Certain reclassifications have been made to the accompanying 2000 and 1999 financial statements to conform to the 2001 presentation.

#### 2. Utility Plant

Utility plant consists of the following:

#### As of March 31

Hydroelectric power generating facilities

Thermal power generating facilities (coal-fired and geothermal)

Transmission systems, substations and others

Total

## operating revenues. taxes less payment made during the year. i) Reserve for Drought



	Millions of yen	Millions of U.S. dollars (Note 8)
200	1 2000	2001
¥1,165 1,566 746		12,539
¥3,478	<b>,184</b> ¥2,909,565	5 <b>\$27,847</b>

#### 3. Investments in Securities and Marketable Securities

Investments in securities consist primarily of marketable securities held for long-term investment and securities issued by institutions with which the Company has close business relationships.

Marketable securities consist of interest-bearing bonds issued by the Japanese government and commercial papers.

#### 4. Long-Term Debt

Long-term debt consists of the following:

	Million	s of yen	Millions of U.S. dollars (Note 8)
As of March 31	2001	2000	2001
Loans from the Japanese Government's special funds, due on varying dates through 2027	¥ 893,006	¥ 949,984	\$ 7,149
Loans from Japanese banks due on varying dates through 2018	232,540	210,040	1,861
Loans from foreign banks due on varying dates through 2008	26,160	26,160	209
Domestic bonds guaranteed by the Japanese Government, due on varying dates through 2010	521,170	431,240	4,172
Domestic bonds underwritten by the Japanese Government, due on varying dates through 2008	254,780	287,920	2,039
Foreign bonds in Canadian Dollars guaranteed by the Japanese Government, due on 2001	17,954*	17,954*	143
Foreign bonds in French Francs guaranteed by the Japanese Government, due on 2000	—	20,119*	_
Foreign bonds in Deutsche Marks guaranteed by the Japanese Government, due on 2000	_	29,831*	
Foreign bonds in French Francs guaranteed by the Japanese Government, due on 2007	35,474*	35,474*	284
Foreign bonds in Euros guaranteed by the Japanese Government, due on 2006	28,917*	28,917*	231
Foreign bonds in Japanese Yen guaranteed by the Japanese Government, due on 2010	38,000	_	304
Other debts, principally retention money for construction works	4,161	2,060	33
Total	2,052,163	2,039,698	16,430
Less: Current portion	(157,411)	(141,560)	(1,260)
	¥1,894,751	¥1,898,138	\$15,170

Note: Asterisks indicate debts in foreign currencies. The repayments and interest payments on these bonds were converted into fixed-rate Japanese ven obligations through the currency-swap

The bonds are direct and unconditional obligations of the Company and rank pari passu and ratably without any preference among themselves. Under the Electric Power Development Promotion Law, the holders of bonds issued by the Company have the benefit of a preferential right to be repaid prior to other unsecured obligations (with the exception of obligations in respect of national and local taxes and certain other statutory exceptions). The aggregate annual maturities of long-term debt subsequent to March 31, 2001, are summarized as follows:

Fiscal years ending March 31	Millions of yen	Millions of U.S. dollars (Note 8)
2002	¥ 157,411	\$ 1,260
2003	114,498	916
2004	147,722	1,182
2005	122,911	984
2006	195,026	1,561
2007 and thereafter	1,314,595	10,525
Total	¥2,052,163	\$16,430

#### 5. Contingent Liability

The Company was contingently liable under several guarantees amounting to ¥46,530 million (US\$372 million) and ¥17,099 million as of March 31, 2001 and 2000 respectively.

#### 6. Shareholders' Equity

#### a) Legal Reserve

The Commercial Code of Japan ("the Code") provides that an amount equivalent to at least 10% of cash dividends and bonuses to directors and statutory auditors paid with respect to each fiscal year be appropriated to a legal reserve until such reserve equals 25% of the stated capital. The Code also provides that the legal reserve is not available for dividends, but may be used to reduce a capital deficit by resolution of the shareholders' meeting or may be capitalized by resolution of the Board of Directors.

#### b) Dividends

A year-ended dividend may be approved by the shareholders' meeting after the end of each fiscal year. In accordance with the Code, these dividends and the related appropriations of retained earnings are not reflected in the financial statements at the end of the fiscal year but are recorded at the time they are approved. However, dividends per share shown in the accompanying statements of income and retained earnings are included in the years to which they are applicable.

#### 7. Subsequent Event

#### Appropriation of Retained Earnings

The general meeting of shareholders held on June 29, 2001 approved the following appropriation of retained earnings as of March 31, 2001.

Fiscal years ending March 31	Millions of yen	Millions of U.S. dollars (Note 8)
Unappropriated retained earnings	¥28,364	\$227
Appropriation	14,745	118
Transfer to legal reserve	431	3
Cash dividends	4,236	33
Bonuses to directors and statutory auditors	71	0
Voluntary reserve	10,000	80
Other reserve	6	0
Unappropriated retained earnings carried forwards	¥13,619	\$109

#### 8. U.S. Dollar Amount

The yen amounts are converted to U.S. dollars solely for convenience. Unless otherwise indicated, all the U.S. dollar amounts are computed at the exchange rate of ¥124.90 against US\$1.00, which was the T.T.S. rate of the Bank of Tokyo-Mitsubishi, Ltd. as of March 30, 2001

### Independent Auditor's Report

#### To the Board of Directors and Shareholders of Electric Power Development Co., Ltd.

We have audited the accompanying balance sheets of Electric Power Development Co., Ltd. (Dengen Kaihatsu Kabushiki Kaisha) as of March 31, 2001 and 2000, and related statements of income and retained earnings for the years then ended.

Our audits were made in accordance with generally accepted auditing standards, procedures and practices in Japan and relevant auditing procedures as are normally required were carried out.

Based on our audit, we express the opinion that the above-mentioned financial statements present fairly the financial position of Electric Power Development Co., Ltd. as of March 31, 2001 and 2000 and the results of its operations for the years then ended in conformity with generally accepted accounting principles in Japan applied on a consistent basis except for the following with which we concur.

As described in Note 1c), 1d), 1f), 1g), and 1h) respectively, Electric Power Development Co., Ltd. changed to its method of accounting for depreciation, reserve for termination and retirement allowances and income taxes from the year ended March 31, 2000, and also adopted the revised accounting standard for translation of assets and liabilities in foreign currencies and new accounting standards for financial instruments and employees' retirement benefits from the year ended March 31, 2001.

Con tury OTa Shora & Co.

June 29, 2001

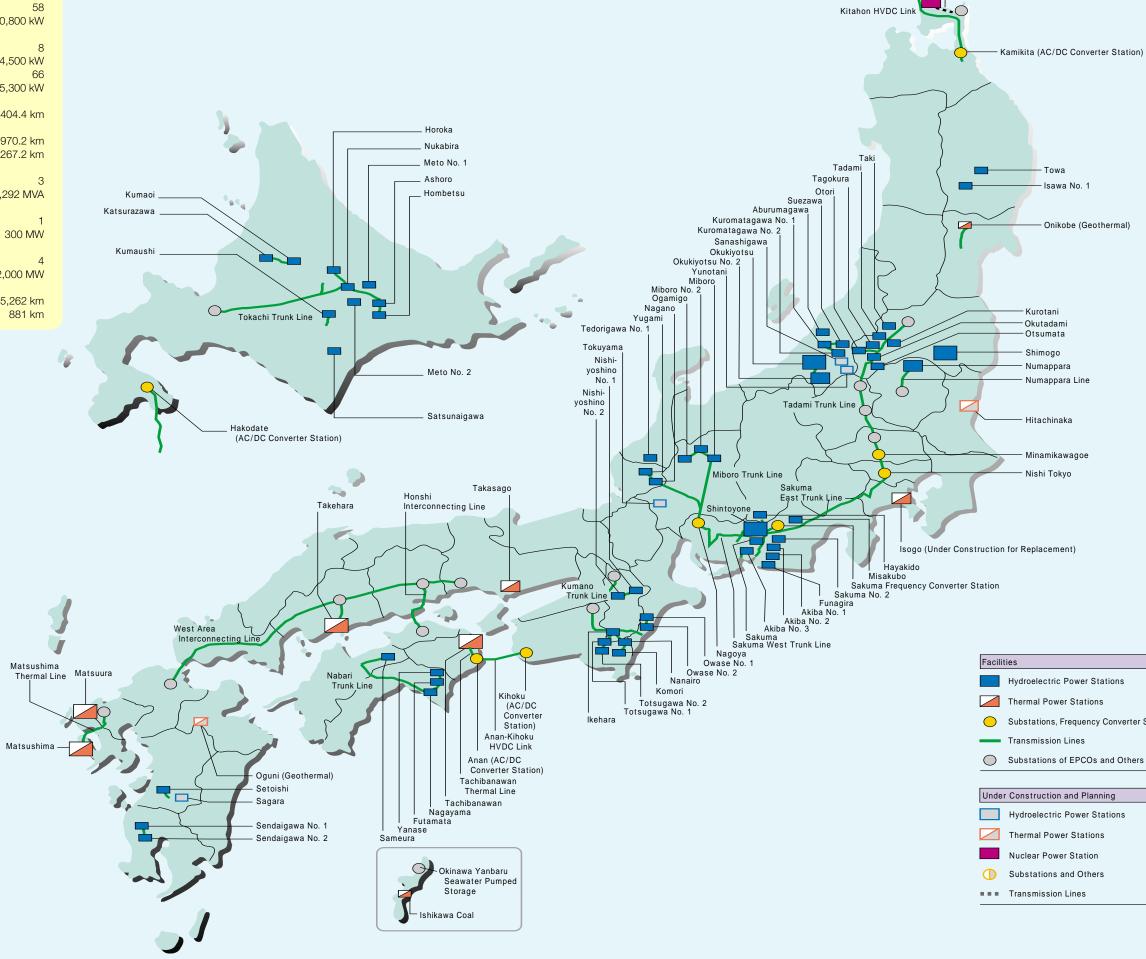
#### Century Ota Showa & Co.

In July 1, 2001, Century Ota Showa & Co. was renamed Shin Nihon & Co.

See Note 1 to the financial statements which explains the basis of preparing the financial statements of Electric Power Development Co., Ltd. under Japanese accounting principles and practices.

## Facilities (As of March 31, 2001)

<ul> <li>Power Generation Facilities</li> </ul>	
Hydroelectric Power Stations	
Number	58
Capacity	8,260,800 kW
Thermal Power Stations	
Number	8
Capacity	7,754,500 kW
Total Number	66
Total Capacity	16,015,300 kW
<ul> <li>Transmission Lines</li> </ul>	
Total Lines	2,404.4 km
Extrahigh-voltage power	
transmission lines	1,970.2 km
DC power transmission line	es 267.2 km
<ul> <li>Substations</li> </ul>	
Number	3
Capacity	4,292 MVA
<ul> <li>Frequency Converter Station</li> </ul>	n
Number	1
Capacity	300 MW
<ul> <li>AC/DC Converter Stations</li> </ul>	
Number	4
Capacity	2,000 MW
<ul> <li>Telecommunications Netwo</li> </ul>	
Microwave radio circuits	5,262 km
Fiber-optic cables	881 km

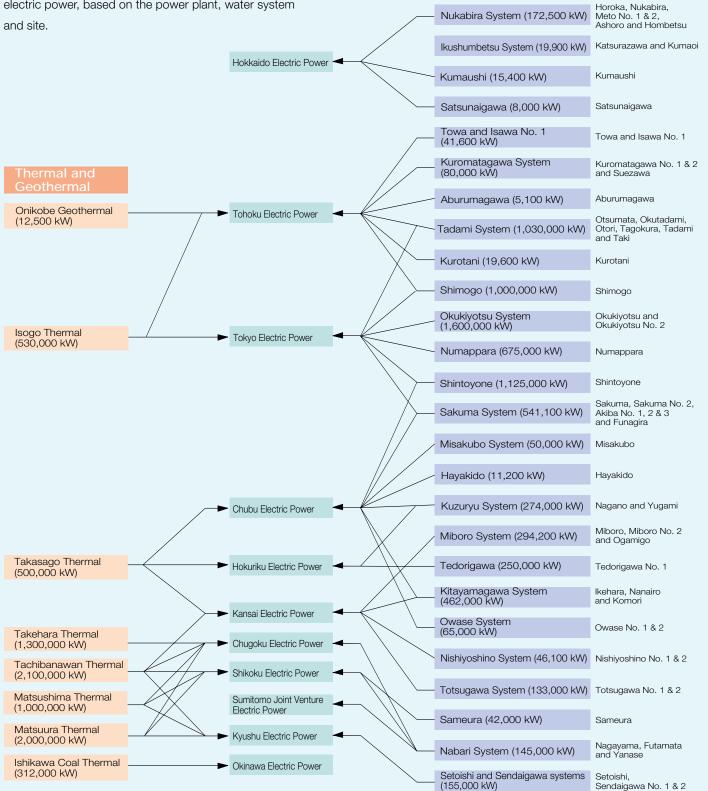


Oma Trunk Line Oma (Nuclear)

Facili	ties
	Hydroelectric Power Stations
	Thermal Power Stations
$\bigcirc$	Substations, Frequency Converter Stations and AC/DC Converter Stations
	Transmission Lines
$\bigcirc$	Substations of EPCOs and Others
Unde	r Construction and Planning
	Hydroelectric Power Stations
	Thermal Power Stations
	Nuclear Power Station
$\mathbf{O}$	Substations and Others
	Transmission Lines

## **Customers by Facilities**

We enter into contracts with each EPCO for the supply of electric power, based on the power plant, water system



Hydroelectric

## **Power Development Plans**

We have formulated our next 10-year plan through talks with EPCOs. The plan will cover from fiscal year 2001 to 2011. Through this initiative, we will add at least 3,000 megawatts of capacity to our existing 16,000 megawatts and by March 2011, the total capacity of our power facilities will be 20% higher than March 2001. These increases will essentially follow

Power generating capacity (MW)			Power generation (100 GWh)						
Years ended March 31	2001 (Actual)	2002	2006	2011	2001 (Actual)	2002	2006	2011	
Hydroelectric power stations	8,261	8,261	8,548	8,952	126	133	144	147	
Conventional	3,274	3,274	3,561	3,565	97	96	97	97	
Pumped storage	4,987	4,987	4,987	5,387	29	38	46	50	
Thermal power stations	7,755	7,225	7,845	9,445	419	425	434	422	
Coal-fired	7,742	7,212	7,812	9,412	418	424	432	420	
Geothermal	13	13	33	33	1	1	3	3	
Nuclear power station				1,383	_			101	
Total	16,015	15,485	16,395	19,780	545	559	577	670	

Note: Totals may not agree with column sums due to rounding.



Isogo Thermal Power Station (Under Construction for Replacement)

on from the April 2002 startup of the 600-megawatt Unit No. 1 at Isogo Thermal Power Station (replacement), July 2008 startup of the 1,380-megawatt Unit at Oma Nuclear Power Station, and July 2009 startup of the 600-megawatt Unit No. 2 at Isogo (replacement).

## Historical Overview of Operations

	1952-1969	1970-1979	1980-1989	1990-1999
	<ul> <li>Establishment of EPDC (Sept. 1952)</li> <li>The era of large-scale hydropower projects</li> <li>Moves to build thermal power stations fueled with domestic coal and a network for broad-area power management</li> </ul>	•The era of large-capacity pumped storage facility projects	•Construction of Japan's first thermal power stations fueled by imported coal	<ul> <li>Moves to integrate and increat efficiency of facility maintenat operation</li> <li>Intensified efforts to apply net and implement environmentat policies</li> </ul>
Hydropower	<ul> <li>Apr. 1956 Sakuma Power Station begins operating</li> <li>May 1959 Tagokura Power Station begins operating</li> <li>Dec. 1960 Okutadami Power Station begins operating</li> <li>Jan. 1961 Miboro Power Station begins operating</li> <li>Sept. 1964 Ikehara Pumped Storage Power Station begins operating</li> </ul>	<ul> <li>Nov. 1972 Shintoyone Pumped Storage Power Station begins operating</li> <li>June 1973 Numappara Pumped Storage Power Station begins operating</li> <li>July 1978 Okukiyotsu Pumped Storage Power Station begins operating</li> <li>Aug. 1979 Tedorigawa Power Station No. 1 begins operating</li> </ul>	<ul><li>July 1982 Sakuma Power Station No. 2 begins operating</li><li>Apr. 1988 Shimogo Pumped Storage Power Station begins operating</li></ul>	Apr. 1994       Kurotani Power Station dam) begins operating         June 1996       Okukiyotsu Pumped St Station No. 2 begins of Station No. 2 begins of Station No. 2 begins of Operating         July 1997       Satsunaigawa Power Station Station No. 2 begins of Operating         Mar. 1999       Okinawa Yanbaru Seav Storage Power Plant be operation
Coal-Fired Power and Geothermal Power	<ul> <li>Jan. 1963 Wakamatsu Power Station begins operating</li> <li>May 1967 Isogo Power Station begins operating</li> <li>July 1967 Takehara Power Station No. 1 begins operating</li> <li>July 1968 Takasago Power Station begins operating</li> </ul>	June 1974 Takehara Power Station No. 2 (heavy oil boiler) begins operating Mar. 1975 Onikobe Power Station begins operating	<ul> <li>Jan. 1981 Matsushima Power Station begins operating</li> <li>Mar. 1983 Takehara Power Station No. 3 begins operating</li> <li>Nov. 1986 Ishikawa Coal Power Station begins operating</li> <li>Mar. 1989 Wakamatsu Power Station ceases operating</li> </ul>	June 1990 Matsuura Power Statio operating June 1995 Takehara Power Station begins operating July 1997 Matsuura Power Station operating
Nuclear Power		<ul> <li>May 1970 Begin cooperation with PNC in designing and construction of the prototype ATR "Fugen"</li> <li>Mar. 1979 Start operation of ATR "Fugen" Continue cooperation with PNC in operation and maintenance of ATR "Fugen"</li> </ul>	June 1982Receive order for construction of a pilot ATR plantJune 1982Surveys begin regarding the site for the proposed Oma Nuclear Power StationJuly 1983Oma Nuclear Power Survey Office established	Aug. 1995       Revision of the constru         Oma Nuclear Power S         tion ATR to Full-MOX /         Aug. 1999       Oma Nuclear Power St         approved by the 141s         Development Coordina         Sep. 1999       Reactor installation app         to MITI
Transmission Lines, Substations and Communications	July 1955Telecommunications services using trunk microwave radio circuits beginMay 1959Minamikawagoe Substation begins operatingOct. 1962Chushi Trunk Line and Iyo Substation begin operatingOct. 1965Sakuma Frequency Converter Station begins operatingSept. 1969Hanna Line begins operating	Dec. 1979 Kitahon HVDC Link and Hakodate and Kamikita AC/DC converter stations begin operating	<ul> <li>May 1980 Western Area Interconnecting Line begins operating</li> <li>Dec. 1985 Telecommunications services using fiber optic cables for Sakuma Frequency Converter Station begin</li> </ul>	Apr. 1992 Main route of microway converted to digital ce Mar. 1993 Kitahon HVDC Link reir July 1994 Honshi Interconnecting operating
International Activities	<ul> <li>Nov. 1962 Begin planning the Takena Hydroelectric Power Project in Peru</li> <li>Mar. 1967 Begin planning the Kuwaya No. 1 Hydroelectric Power Project in Thailand</li> </ul>	Oct. 1976 Begin planning the Altinkaya Hydroelectric Power Project in Turkey	<ul> <li>Jan. 1984 Begin planning the transfer of NOx reduction technology to Austria</li> <li>Oct. 1989 Organize the EPDC conference on the Future of Electricity in the Developing Countries</li> </ul>	Feb. 1990Begin planning the Lam Storage Project in ThaiApr. 1990Begin planning the Mas Thermal Power ProjectJuly 1992Sign agreement to cons desulfurization facility in Hydropower Project in
Business Development				Nov. 1998 Begin afforestation busi Jan. 1999 Establish Omuta Recycl

rease the nance and new technologies ntal protection	20C •Preparat	00 – ion for privatization
on (rubberized fabric ing Storage Power s operating r Station begins eawater Pumped t begins pilot		
tion No. 1 begins tion No. 2 (AFBC) tion No. 2 begins		Tachibanawan Power Station No. 1 begins operating Tachibanawan Power Station No. 2 begins operating
truction project of r Station (Demonstra- X ABWR) Station Project 1st Electric Power dination Council application submitted		
vave radio circuits cellular system einforced ng Line begins		Honshi Interconnecting Line reinforced Anan-Kihoku HVDC Link and Anan and Kihoku AC/DC converter stations begin operating (jointly owned with Kansai Electric Power Co., Inc. and Shikoku Electric Power Co., Inc.)
am Ta Khong Pumped hailand lasinloc Coal-Fired ect in the Philippines onstruct pilot y in China am Thuan in Vietnam		
usiness in Australia ycling Power Co., Ltd.	Oct. 2000 Dec. 2000	Begin afforestation business in Ecuador PFI power project at the Kanamachi Purification Plant begins operating Wind farm in Tomamae-cho, Hokkaido begins operating Dark fiber services begins operating

## **Group Overview**

Subs	idiaries	and	Affiliates
Jubs	iuiuiic3	and	Annates

Company	Address	EPDC's capital (Millions of yen)	Ownership (%)	Business lines
EPDC Holding Co., Ltd.	14-10, Ginza 5-chome, Chuo-ku, Tokyo	¥ 120	100%	Management of affiliates and subsidiaries
EPDC Industrial Co., Ltd.	6-5, Shinjuku 1-chome, Shinjuku-ku, Tokyo	310	0	Management of welfare facilities and buildings
			100*	Representative agency for insurance
EPDC Environmental Engineering Service Co., Ltd.	2-5, Kudan-kita 4-chome, Chiyoda-ku, Tokyo	60	0	Research, construction and maintenance for environmental engineering
			100*	Survey and compensation of construction sites
				Research and planning of environmental conservation
EPDC Coal Tech and Marine Co., Ltd.	19-1, Shinjuku 2-chome, Shinjuku-ku, Tokyo	20	0	Unloading and transporting of coal to thermal power stations
			100*	Disposition of ash
				Sales of fried ash Shipping of coal for thermal power stations
KAIHATSUKOJI Co., Ltd.	6-5, Shinjuku 1-chome, Shinjuku-ku, Tokyo	300	0 100*	Boring, grouting, survey and other civil engineering and construction services
The Kaihatsu Computing Service Center Ltd.	2-18, Fukagawa 2-chome, Kouto-ku, Tokyo	120	0 100*	Development of computer software
KAIHATSUDENKI Co., Ltd.	2-5, Kudan-kita 4-chome, Chiyoda-ku, Tokyo	500	0 100*	Technical development, design, consulting construction, maintenance and research for power stations, substations and transmission lines
KEC Corporation	37-6, Hakusan 1-chome, Bunkyo-ku, Tokyo	110	0	Construction and maintenance of electronic and communications facilities
			100*	
KDC Engineering Co., Ltd.	58-4, Yayoicho 1-chome, Nakano-ku, Tokyo	20	0 100*	Design and construction management of electric power facilities Engineering and construction
EPDC Overseas Coal Co., Ltd.	1-5, Nihonbashi-Muromachi 4-chome, Chuo-ku, Tokyo	1,000	0 80*	Research, investigation and development of coal mines Investment in coal mining

Note: \*Including indirect holdings.

## **Directors and Statutory Auditors**

President	Yoshihiko Nakagaki*	Executive	Ka
		Directors	Ma
Executive	Shigeo Mita*		То
Vice Presidents	Yoshihide Yamasaki*		Os
	Youki Kawata*		Ma
			Ka
			Ak
Executive	Takao Toyooka		Ta
Managing	Akihiko Tamura		Kiy
Directors	Sakaru Ono		Ma
	Hisao Nakagami		Ma

## Network

(As of March 31, 2001)

Electric Power Development Co., Ltd. 15-1, Ginza 6-chome, Chuo-ku, Tokyo 104-8165, Japan TEL: 81-3-3456-2211 URL: http://www.epdc.co.jp E-mail: webmaster@epdc.co.jp

#### **Regional Headquarters and Others**

 Hokkaido Regional Headquarters Kitasanjonishi 3-chome, Chuo-ku, Sapporo City, Hokkaido 060-0003, Japan TEL: 81-11-221-8445

•Tohhoku Regional Headquarters 6-1, Ichibancho 4-chome, Aoba-ku, Sendai City, Miyagi Prefecture 980-0811, Japan TEL: 81-22-267-2551

•Kanto Regional Headquarters 2-5, Kudan-kita 4-chome, Chiyoda-ku, Tokyo 102-0073, Japan TEL: 81-3-3234-2411

•Chubu Regional Headquarters 1-1, Shinsakae-machi, Naka-ku, Nagoya City, Aichi Prefecture 460-0004, Japan TEL: 81-52-971-2551

•Hokuriku Regional Headquarters 5-13, Sakurabashidoori, Toyama City, Toyama Prefecture 930-0004, Japan TEL: 81-764-42-1151

•Kansai Regional Headquarters 2-27 Nakanoshima 6-chome Kita-ku Osaka City, Osaka Prefecture 530-0005, Japan TEL: 81-6-6448-5921

 Chugoku Regional Headquarters 15-10, Hacchobori, Naka-ku, Hiroshima City, Hiroshima Prefecture 730-0013, Japan TEL: 81-82-221-0423

•Shikoku Regional Headquarters 4-3, Kotobuki-cho 1-chome, Takamatsu City, Kagawa Prefecture 760-0023, Japan TEL: 81-87-822-0821

•Kyusyu Regional Headquarters 2-1. Hakataekimae 3-chome. Hakata-ku. Fukuoka City, Fukuoka Prefecture 812-0011, Japan TEL: 81-92-472-3736

 Ishikawa Coal Thermal Power Station 4-1, Akazaki 3-chome, Ishikawa City, Okinawa Prefecture 904-1103, Japan TEL: 81-98-964-3711

### **Overseas Offices**

•EPDC Beijing Office 302 Chang Fu Gong Office Bldg., Jia-26, Jian Guo Men Wai Da Jie, Beijing 100022, PRC TEL: 86-10-6513-7091/7092 FAX: 86-10-6513-3371 E-mail: epdcpek@163bj.com

•EPDC Lam Ta Khong Pumped Storage Project Office c/o EGAT Lam Ta Khong Office, P.O. Box 3, Klongpai, Sikiu District, Nakhon Ratchasima, 30340, THAILAND

TEL: 66-44-21-4261 FAX: 66-44-21-4261 E-mail: RGD01542@nifty.ne.jp

•EPDC Ham Thuan Hydropower Project Office No. 80 Tran Phu St., Loc Son Ward, Bao Loc Town, Lam Dong Province, VIETNAM TEL: 84-63-860580 FAX: 84-63-860582 (Dam Site Office) TEL: 84-63-869896 FAX: 84-63-869869

•Yuncan Hydropower Project Office Paucartambo, Pasco, PERU (also contact via EPDC Lima Office)

(As of July 1, 2001)

azuo Fuse lasamichi Ono oru Namiki samu Iwashita lasaaki Tanaka atsuhiko Miyashita kinobu Yasumoto akeharu Okitsu iyoshi Sawabe lasayuki Hori

lasayoshi Kitamura

Auditors

Tetsuya Kameoka Kouichi Fujino Yasuo Matsushita

\*Representative Directors

(As of July 1, 2001)

#### •EPDC Manila Office

4th Floor, VICTORIA 1 Building, 1670 Quezon Avenue, Quezon City, Metro Manila, PHILIPPINES TEL: 63-2-926-7760/7986 FAX: 63-2-920-7654

Ecuador Subtransmission Project Office

c/o DISCOM INCEL Av. 6 de Diciembre 2427 y Av. Orellana Edif. TRANSELECTRIC S. A. 8vo piso EPDC-CONPROTEC Quito, ECUADOR TEL: 593-2-235097 FAX: 593-2-503115

•EPDC Washington Office

1825 K Street, N.W., Suite 1205, Washington D.C. 20006, U.S.A. TEL: 1-202-429-0670 FAX: 1-202-429-1660

•EPDC Brisbane Office

Level 25 Waterfront Place, 1 Eagle Street, Brisbane, Queensland 4000, AUSTRALIA TEL: 61-7-3211-7055 FAX: 61-7-3211-7044

•EPDC New Delhi Office K-43, Jangpuro Extension 2nd Floor, New Delhi, 110014, INDIA TEL: 91-11-431-0594 FAX: 91-11-432-5645 E-mail: epdcdel@del2.vsnl.net.in

•EPDC Bangkok Office c/o Hydro Power Construction Division (Room No. 711/4) Electricity Generating Authority of Thailand, Charansanitwong Road, Bangkuai, Nonthaburi 11130, THAILAND TEL: 66-2-436-4197/66-2-433-6385 FAX: 66-2-433-7673

•EPDC Lima Office Morelli No. 109, 3er, Piso. San Borja, Lima 41, PERU TEL: 51-1-476-9757 FAX: 51-1-476-9758

# **Corporate Information**

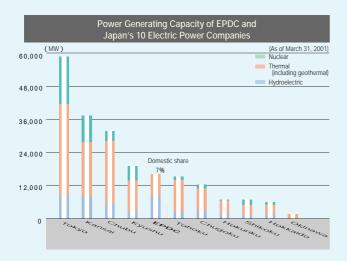
## Corporate Data

Category of Business	Electric Utility		
Date of Incorporation	September 16, 1952		
Law of Foundation	Electric Power Development		
	Promotion Law		
Authorized Capital	¥100,000 million		
Paid-in Capital	¥70,600 million		
Major Shareholders			
	Number of	Percentage	
Shareholders	Shares Held	of Total	

Shareholders	Shares Held	of lotal
Government of Japan (Ministry of Finance)	47,083,000	66.69%
Hokkaido Electric Power Co., Inc.	947,000	1.34
Tohoku Electric Power Co., Inc.	1,417,000	2.01
Tokyo Electric Power Co., Inc.	7,037,000	9.97
Chubu Electric Power Co., Inc.	4,460,000	6.32
Hokuriku Electric Power Co., Inc.	947,000	1.34
Kansai Electric Power Co., Inc.	5,164,000	7.31
Chugoku Electric Power Co., Inc.	1,415,000	2.00
Shikoku Electric Power Co., Inc.	713,000	1.01
Kyushu Electric Power Co., Inc.	1,417,000	2.01
Total	70,600,000	100.00%

#### **Power Generation Facilities**

<ul> <li>Hydroelectric Power Stations</li> </ul>	
Number	58
Capacity	8,261 MW
<ul> <li>Thermal Power Stations</li> </ul>	
Number	8
Capacity	7,755 MW
Total number	66
Total capacity	16,015 MW
Transmission Lines	
Total lines	2,404.4 km
Extrahigh-voltage power transmission lines	1,970.2 km
DC power transmission lines	267.2 km
Substations	
Number	3
Capacity	4,292 MVA



	(As of March 31, 2001)
<ul> <li>Frequency Converter Station</li> </ul>	
Number	1
Capacity	300 MW
•AC/DC Converter Stations	
Number	4
Capacity	2,000 MW
<ul> <li>Telecommunications Network</li> </ul>	
Microwave radio circuits	5,262 km
Fiber-optic cables	881 km
Power Generation (Year ended March 31, 2001)	
•Hydroelectric	12,550,270 MWh
•Thermal	41,944,590 MWh

Total	54,494,860 MWh
Electric Power Sales (Year ended March 31, 2001)	48,915,411 MWh
Income from Electric Power Sales	¥425,184 million

(Year ended March 31, 2001)		
EPCO	Power Sales (GWh)	(%)
Hokkaido Electric Power Co., Inc.	1,010	2.1%
Tohoku Electric Power Co., Inc.	1,668	3.4
Tokyo Electric Power Co., Inc.	3,720	7.6
Chubu Electric Power Co., Inc.	2,791	5.7
Hokuriku Electric Power Co., Inc.	719	1.5
Kansai Electric Power Co., Inc.	8,857	18.1
Chugoku Electric Power Co., Inc.	17,452	35.7
Shikoku Electric Power Co., Inc.	5,074	10.4
Kyushu Electric Power Co., Inc.	5,636	11.5
Okinawa Electric Power Co., Inc.	1,964	4.0
Other	24	0.0
Total	48,915	100.0%

Number of Employees

3,379