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Operating Data

Company Data (As of March 31, 2010)

Company	Capital Stock (Million yen)	Energy Sales for the Year* (GWh)				Revenues from Energy Sales for the Year* (Million yen)	Installed Generating Capacity (MW)	Service Area (km ²)	Employees
		Residential	Commercial & Industrial	Deregulated Customers	Total				
Hokkaido EPCo	114,291	11,875	2,368	17,208	31,451	520,916	7,418	78,421	5,631
Tohoku EPCo	251,441	25,036	4,066	49,889	78,992	1,481,610	16,550	79,534	12,639
Tokyo EPCo	676,434	96,089	11,393	172,686	280,167	4,640,825	64,487	39,529	38,117
Chubu EPCo	430,777	35,029	6,418	81,401	122,849	2,024,781	32,632	39,131	16,600
Hokuriku EPCo	117,641	7,995	1,368	17,812	27,175	453,752	7,963	12,301	4,716
Kansai EPCo	489,320	48,841	6,172	86,591	141,605	2,247,470	34,321	28,710	22,143
Chugoku EPCo	185,527	18,547	2,582	36,783	57,911	935,781	11,986	32,280	9,871
Shikoku EPCo	145,551	9,464	1,869	16,163	27,496	477,598	6,665	18,453	6,003
Kyushu EPCo	237,304	29,172	5,544	48,675	83,392	1,297,313	20,025	42,190	12,543
Okinawa EPCo	7,586	2,916	3,393	1,170	7,478	150,644	1,924	2,276	1,554
Subtotal	2,655,872	284,964	45,173	528,378	858,516	14,230,690	203,970	372,825	129,817
J-POWER	152,400						16,988		2,257
JAPC	120,000						2,617		1,361
Total	2,928,272	284,964	45,173	528,378	858,516	14,230,690	223,575	372,825	133,435

*Figures are for fiscal 2009.
Source: FEPC

Electric Power Generation

(TWh)

	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Thermal	669.2	658.5	710.6	745.5	747.1	761.8	755.0	839.0	798.9	742.5
Electric Utilities	526.9	512.7	554.5	580.8	565.7	581.6	577.6	661.0	621.3	568.4
Industry-owned	142.3	145.8	156.1	164.7	181.4	180.3	177.5	180.2	177.6	174.1
Nuclear	322.1	319.9	295.1	240.0	282.4	304.8	303.4	263.8	258.1	279.8
Electric Utilities	321.3	319.6	294.1	240.0	282.4	304.8	303.4	263.8	258.1	279.8
Industry-owned	0.7	0.2	1.0	—	—	—	—	—	—	—
Hydroelectric	96.8	93.9	91.8	104.1	103.1	86.4	97.3	84.2	83.5	83.9
Electric Utilities	89.3	86.5	84.0	96.1	95.5	79.8	89.0	76.8	75.9	74.5
Industry-owned	7.5	7.4	7.8	8.1	7.6	6.6	8.3	7.3	7.6	9.3
Geothermal	3.3	3.4	3.4	3.5	3.4	3.2	3.1	3.0	2.8	2.9
Electric Utilities	3.1	3.2	3.2	3.2	3.1	3.0	2.9	2.8	2.6	2.7
Industry-owned	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Fuel Cell	—	—	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electric Utilities	—	—	—	—	—	—	—	—	—	—
Industry-owned	—	—	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind Power	0.1	0.3	0.4	0.8	1.3	1.8	2.2	2.6	2.9	3.6
Electric Utilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Industry-owned	0.1	0.3	0.4	0.8	1.3	1.7	2.2	2.6	2.9	3.6
Solar Cell	—	—	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electric Utilities	—	—	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Industry-owned	—	—	—	—	—	—	0.0	0.0	0.0	0.0
Total	1,091.5	1,075.9	1,101.3	1,094.0	1,137.3	1,157.9	1,161.1	1,195.0	1,146.3	1,112.6
Electric Utilities	940.7	922.0	935.8	920.1	946.8	969.1	972.9	1,004.6	957.9	925.4
Industry-owned	150.8	153.9	165.5	173.8	190.6	188.8	188.2	190.4	188.4	187.2

Source: FEPC

Electric Power Consumption

(TWh)

	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Supplied by Electric Utilities	858.1	844.3	862.9	858.2	892.1	918.3	927.1	959.6	925.5	896.7
Residential	254.6	254.5	263.4	259.7	272.6	281.3	278.3	289.7	285.3	285.0
Commercial and Industrial	363.6	358.3	362.4	359.7	250.8	52.8	49.4	49.7	46.8	45.2
Deregulated Customers	239.9	231.5	237.1	238.8	368.8	559.7	575.5	595.5	571.7	544.0
Customers in Designated Service Districts						17.4	16.3	16.8	12.1	9.9
Consumption of Power for Station Operation						7.1	7.7	7.8	9.6	12.6
Consumption of Independently Generated Power	124.0	123.4	126.8	126.5	127.3	125.5	121.2	117.8	110.0	106.6
Total Consumption	982.1	967.7	989.7	984.8	1,019.3	1,043.8	1,048.3	1,077.5	1,035.6	1,003.2

Note: Figures for electric utilities since fiscal 2000 include specified-scale electricity suppliers.
Source: FEPC

Energy Sales by the EPCOs

(TWh)

	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Residential	254.6	254.5	263.4	259.7	272.5	281.3	278.3	289.7	285.3	285.0
Commercial	157.9	159.2	162.5	162.9	125.0	39.4	36.7	37.2	34.6	33.1
Small Industrial	115.8	112.0	112.4	110.3	112.9	–	–	–	–	–
Large Industrial*	74.8	72.5	73.2	72.8	–	–	–	–	–	–
Others	15.0	14.5	14.2	13.5	12.8	13.4	12.8	12.7	12.1	12.0
Subtotal	618.1	612.7	625.8	619.2	523.3	334.1	327.7	339.4	332.0	330.1
Deregulated Customers	219.8	211.4	215.7	215.1	342.2	548.4	561.7	580.1	556.9	528.4
Total	837.9	824.1	841.5	834.3	865.4	882.6	889.4	919.5	888.9	858.5

*Figures for large industrial customers from 2000 to 2003 do not include specified-scale electricity suppliers. "Large Industrial" for 2004 is included in the "Deregulated Customers" category.
Source: FEPC

Energy Sales by the EPCOs by Industrial Category

(TWh)

	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Mining	1.3	1.2	1.0	0.9	0.9	1.0	1.0	0.9	0.9	0.8
Foodstuffs	15.3	15.5	15.5	15.4	15.4	15.4	16.1	17.2	17.3	17.2
Textiles	3.9	3.6	3.3	3.1	3.0	3.1	3.2	3.2	2.8	4.0
Pulp and Paper	10.5	10.1	10.3	10.1	9.9	10.3	10.5	11.0	10.6	9.4
Chemicals	25.9	24.5	25.7	25.9	26.9	27.7	29.3	31.3	29.4	26.1
Oil and Coal Products	1.5	1.5	1.4	1.4	1.5	1.5	1.6	1.7	1.9	1.8
Rubber	3.5	3.5	3.6	3.6	3.5	3.4	3.3	3.3	3.1	2.8
Clay and Stone	11.9	11.2	11.0	10.9	10.7	11.0	11.8	12.1	11.4	10.3
Iron and Steel	36.5	33.1	34.7	35.2	36.6	36.2	38.9	39.6	35.4	29.7
Nonferrous Metals	14.2	13.1	13.2	13.1	13.3	14.1	15.1	16.8	15.7	14.7
Machinery	69.8	66.2	67.2	68.4	71.8	74.0	78.6	82.6	75.7	69.0
Other Manufacturing	27.0	26.1	26.4	26.2	27.1	27.6	29.3	30.5	28.7	27.4
Railways	18.2	18.2	18.5	18.4	18.8	19.0	18.7	18.7	18.7	18.1
Others	27.7	28.8	29.5	29.3	29.8	29.6	29.7	30.3	30.0	29.6
Total	267.0	256.4	261.4	261.9	269.1	273.8	287.2	299.3	281.6	260.9

Note: "Industrial" refers to customers with a contracted demand of 500 kW or above.
Source: FEPC

Installed Generating Capacity

(MW)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Thermal	166,648	168,729	172,889	174,721	177,472	175,779	176,350	176,412	179,324	181,736
Electric Utilities	138,163	138,918	140,419	140,386	140,742	139,216	138,890	138,127	140,023	142,574
Industry-owned	28,485	29,810	32,470	34,335	36,730	36,563	37,460	38,285	39,302	39,162
Nuclear	45,248	45,907	45,907	45,742	47,122	49,580	49,467	49,467	47,935	48,847
Electric Utilities	45,083	45,742	45,742	45,742	47,122	49,580	49,467	49,467	47,935	48,847
Industry-owned	165	165	165	—	—	—	—	—	—	—
Hydroelectric	46,324	46,387	46,545	46,781	46,803	47,357	47,375	47,637	47,949	47,966
Electric Utilities	44,852	44,883	44,901	45,197	45,191	45,665	45,685	45,977	46,252	45,221
Industry-owned	1,472	1,503	1,644	1,584	1,612	1,692	1,689	1,660	1,697	2,745
Geothermal	533	533	510	535	535	535	532	532	532	535
Electric Utilities	497	497	497	497	497	497	497	497	497	500
Industry-owned	36	36	13	38	38	38	35	35	35	35
Fuel Cell			0	0	0	0	3	3	1	1
Electric Utilities			—	—	—	—	—	—	—	—
Industry-owned			0	0	0	0	3	3	1	1
Solar Cell			0	0	0	2	9	10	13	16
Electric Utilities			0	0	0	0	0	0	0	0
Industry-owned			—	—	—	1	9	10	13	16
Wind Power	84	175	277	508	769	1,227	1,805	1,527	1,756	1,997
Electric Utilities	1	1	4	4	4	4	4	4	4	12
Industry-owned	83	174	273	504	765	1,223	1,801	1,523	1,752	1,985
Total	258,837	261,730	266,129	268,287	272,701	274,183	274,988	275,588	277,511	281,099
Electric Utilities	228,596	230,041	231,564	231,826	233,556	234,963	234,544	234,073	234,711	237,153
Industry-owned	30,241	31,689	34,566	36,460	39,145	39,220	40,444	41,516	42,800	43,946

Note: Figures for industry-owned generation represent the total amount generated by power plants with a generating capacity of 1,000 kW or above.
Source: FEPC

Installed Generating Capacity and Electric Power Generation by Electric Utilities (As of March 31, 2010)

Company	Thermal*		Nuclear		Hydroelectric		Wind		Solar Cell		Total	
	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh	MW	GWh
Hokkaido EPCo	4,115	15,102	2,070	12,381	1,232	3,757	—	—	—	—	7,418	31,239
Tohoku EPCo	10,853	45,646	3,274	20,380	2,422	7,607	—	—	—	—	16,550	73,634
Tokyo EPCo	38,192	161,157	17,308	80,886	8,987	10,142	1	1	—	—	64,487	252,186
Chubu EPCo	23,904	92,232	3,504	14,129	5,219	8,608	6	2	—	—	32,632	114,972
Hokuriku EPCo	4,400	16,035	1,746	9,673	1,817	5,556	—	—	—	—	7,963	31,264
Kansai EPCo	16,357	42,975	9,768	65,894	8,196	14,020	—	—	—	—	34,321	122,890
Chugoku EPCo	7,801	33,230	1,280	9,585	2,905	2,978	—	—	—	—	11,986	45,793
Shikoku EPCo	3,501	10,553	2,022	14,102	1,141	1,737	0	0	0	0	6,665	26,394
Kyushu EPCo	11,785	35,646	5,258	39,079	2,979	3,291	3	5	—	—	20,025	78,020
Okinawa EPCo	1,924	6,599	—	0	0	0	—	—	—	—	1,924	6,599
Subtotal	122,832	459,176	46,230	266,110	34,898	57,696	10	0	0	0	203,970	782,991
J-POWER	8,427	49,833	—	—	8,561	10,004	—	—	—	0	16,988	59,838
JAPC	—	—	2,617	13,639	—	—	—	—	—	—	2,617	13,639
Others	11,814	62,085	—	—	1,762	6,839	2	0	—	0	13,579	68,923
Total	143,073	571,094	48,847	279,750	45,221	74,539	12	8	0	0	237,153	925,392

*Thermal includes geothermal.
Source: FEPC

Fossil Fuel Consumed for Power Generation by Electric Utilities

	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Heavy Oil (thousand kl)	11,750	8,487	11,110	12,601	10,147	11,673	8,978	14,239	12,566	721
Crude Oil (thousand kl)	7,510	4,559	6,579	5,810	6,051	7,799	6,120	11,301	7,978	3,643
Naphtha (thousand kl)	113	23	18	5	6	–	–	–	–	–
LNG (thousand t)	38,663	38,174	37,914	39,063	37,170	34,639	37,178	42,105	41,034	40,671
Coal* (thousand t)	57,785	62,328	67,759	73,460	77,876	82,460	79,523	84,205	80,992	76,805
Total (thousand kl heavy oil equivalent)**	113,985	110,456	118,892	124,387	121,899	124,174	122,753	140,503	131,112	118,577

* Coal refers to wet coal.

**Total includes small amounts of NGL, gas oil, LPG, natural gas and other gases.

Source: FEPC

Sulfur Content of Fossil Fuels Used by the EPCOs (%)

	FY 1972	1982	1987	1992	1997	2002	2003	2004	2005	2006
Coal	0.56	0.62	0.60	0.59	0.53	0.50	0.49	0.44	0.54	0.55
Heavy Oil	1.01	0.75	0.66	0.78	0.98	0.78	0.69	0.81	0.70	0.93
Crude Oil	0.89	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.09	0.11
Average: Heavy Oil Equivalent (After desulfurization)	0.95	0.39	0.29	0.30	0.29	0.32	0.32	0.35	0.32	–
	(0.95)	(0.18)	(0.10)	(0.09)	(0.06)	(0.06)	(0.06)	(0.07)	(0.06)	

Notes: 1. Figures in parentheses indicate the percentage of sulfur content in desulfurized flue gas.

2. Sulfur content for Okinawa EPCo is included after fiscal 1998.

Source: FEPC

Transmission, Transformation and Distribution Facilities of the EPCOs (As of March 31, 2010)

Voltage (kV)	Transmission Lines (km)				Transformers	
	Route Length		Circuit Length		Number	Maximum Output (MVA)
	Overhead	Underground	Overhead	Underground		
500	7,217	89	14,048	177	77	205,460
275	7,485	566	14,780	1,444	156	169,750
220	2,741	56	5,196	123	61	36,260
187	2,730	15	5,217	35	38	15,763
110–154	15,738	964	28,749	1,872	668	147,716
66–77	38,086	6,918	67,958	12,472	4,407	218,034
<55	12,951	5,834	21,500	9,534	1,269	9,659
	Distribution Lines (thousand km)				Distribution Transformers (MVA)	
	930*	40*	3,958	66	301,958 (Overhead)	31,002 (Underground)

* When high- and low-voltage lines run in parallel, the low-voltage line length is disregarded.

Source: FEPC

Principal Thermal Power Plants Owned by Electric Utilities (1,000 MW or above, as of March 31, 2010)

Plant	Company	Installed Capacity (MW)	Unit Capacity (MW) × No. of Units	Fuel	Year Commissioned
Aioi	Kansai EPCo	1,125	375 × 3	Heavy, crude oil	1982–83
Akita	Tohoku EPCo	1,300	350 × 2 600 × 1	Heavy, crude oil Heavy, crude oil	1972–74 1980
Ako	Kansai EPCo	1,200	600 × 2	Heavy, crude oil	1987
Anan	Shikoku EPCo	1,245	125 × 1 220 × 1 450 × 2	Heavy oil Heavy, crude oil Heavy, crude oil	1963 1969 1975–76
Anegasaki	Tokyo EPCo	3,600	600 × 2 600 × 2 600 × 2	LNG, heavy, crude oil LNG, LPG, heavy, crude oil LNG, LPG	1967–69 1971–72 1977–79
Atsumi	Chubu EPCo	1,900	500 × 1 700 × 2	Heavy, crude oil Heavy, crude oil	1971 1981
Buzen	Kyushu EPCo	1,000	500 × 2	Heavy, crude oil	1977–80
Chiba	Tokyo EPCo	2,880	1,440 × 2	LNG (Combined-cycle)	1998–00
Chita	Chubu EPCo	3,966	375 × 2 500 × 1 700 × 1 700 × 2 154 × 4	LNG Heavy, crude oil, LNG Heavy, crude oil, LNG LNG LNG (Gas turbine)	1966–67 1968 1974 1978 1994–96
Chita No. 2	Chubu EPCo	1,708	700 × 2 154 × 2	LNG LNG (Gas turbine)	1983 1994–96
Futtsu	Tokyo EPCo	4,534	1,000 × 2 1,520 × 1 507 × 2	LNG (Combined-cycle) LNG (Combined-cycle) LNG (Combined-cycle)	1985–88 2003 2008
Gobo	Kansai EPCo	1,800	600 × 3	Heavy, crude oil	1984–85
Goi	Tokyo EPCo	1,886	265 × 2 265 × 2 350 × 2 126 × 1	LNG LNG LNG LNG (Gas turbine)	1963–65 1964–66 1968 1994
Haramachi	Tohoku EPCo	2,000	1,000 × 2	Coal	1997–98
Hekinan	Chubu EPCo	4,100	700 × 3 1,000 × 2	Coal Coal	1991–93 2001–02
Higashi Ohgishima	Tokyo EPCo	2,000	1,000 × 2	LNG	1987–91
Higashi-Niigata	Tohoku EPCo	4,600	600 × 2 1,090 × 1 1,610 × 1 350 × 2	LNG, NG, heavy, crude oil LNG (Combined-cycle) LNG (Combined-cycle) LNG, heavy oil	1977–83 1985 2006 1972–75
Himeji No. 1	Kansai EPCo	1,442	729 × 1 713 × 1	LNG (Combined-cycle) LNG (Combined-cycle)	1995 1996
Himeji No. 2	Kansai EPCo	2,550	250 × 1 325 × 2 450 × 1 600 × 2	LNG LNG LNG LNG	1963 1964–65 1968 1973
Hirono	Tokyo EPCo	3,800	600 × 1 600 × 1 1,000 × 2 600 × 1	Heavy, crude oil Heavy, crude oil Heavy, crude oil Coal	1980 1980 1989–93 2004
Hitachinaka	Tokyo EPCo	1,000	1,000 × 1	Coal	2003
Isogo	J-POWER	1,200	600 × 2	Coal	2002–09
Kainan	Kansai EPCo	2,100	450 × 2 600 × 2	Heavy, crude oil Heavy, crude oil	1970 1973–74
Kashima	Tokyo EPCo	4,400	600 × 4 1,000 × 2	Heavy, crude oil Heavy, crude oil	1971–72 1974–75
Kashima Kyodo	Kashima Kyodo Electric Power Co.	1,400	350 × 3 350 × 1	Heavy oil, BFG, COG Heavy oil, BFG	1973–82 1973
Kawagoe	Chubu EPCo	4,802	700 × 2 1,701 × 2	LNG LNG (Combined-cycle)	1989–90 1996–97
Kawasaki	Tokyo EPCo	1,500	500 × 3	LNG (Combined-cycle)	2007–09
Matsushima	J-POWER	1,000	500 × 2	Coal	1981
Matsuura	J-POWER	2,000	1,000 × 2	Coal	1990–97
Minami-Yokohama	Tokyo EPCo	1,150	350 × 2 450 × 1	LNG LNG	1970 1973
Misumi	Chugoku EPCo	1,000	1,000 × 1	Coal	1998
Nakoso	Joban Joint Power Co., Ltd.	1,625	175 × 1 250 × 1 600 × 1 600 × 1	Heavy oil Coal, heavy oil Coal, CWM, heavy oil Coal, heavy oil	1966 1970 1983 1983
Nanao Ota	Hokuriku EPCo	1,200	500 × 1 700 × 1	Coal Coal	1995 1998

(Continued)

Plant	Company	Installed Capacity (MW)	Unit Capacity (MW) × No. of Units	Fuel	Year Commissioned
Nanko	Kansai EPCo	1,800	600 × 3	LNG	1990–91
Nishi Nagoya	Chubu EPCo	1,190	220 × 1	Heavy oil	1970
			220 × 1	Heavy, crude oil	1970
			375 × 2	Heavy, crude oil, naphtha	1972
Noshiro	Tohoku EPCo	1,200	600 × 2	Coal	1993–94
Ohi	Tokyo EPCo	1,050	350 × 3	Crude oil	1971–73
Reihoku	Kyushu EPCo	1,400	700 × 2	Coal	1995–2003
Sakaide	Shikoku EPCo	1,150	350 × 1	COG, heavy oil	1972
			450 × 1	COG, heavy, crude oil	1973
			350 × 1	COG, LNG	1974
Sakaiko	Kansai EPCo	1,450	250 × 1	LNG (Combined-cycle)	1971
			400 × 3	LNG (Combined-cycle)	2009
Sendai	Kyushu EPCo	1,000	500 × 2	Heavy, crude oil	1974–85
Shin Kokura	Kyushu EPCo	1,800	600 × 3	LNG	1978–83
Shin Nagoya	Chubu EPCo	2,992	1,458 × 1	LNG (Combined-cycle)	1998
			1,534 × 1	LNG (Combined-cycle)	2008
Shin Oita	Kyushu EPCo	2,295	690 × 1	LNG (Combined-cycle)	1990–91
			870 × 1	LNG (Combined-cycle)	1994–95
			735 × 1	LNG (Combined-cycle)	1998
Shin Onoda	Chugoku EPCo	1,000	500 × 2	Coal	1986–87
Shinagawa	Tokyo EPCo	1,140	1,140 × 1	City gas	2003
Shinchi	Soma Joint Power Co.	2,000	1,000 × 2	Coal	1994–95
Sodegaura	Tokyo EPCo	3,600	600 × 1	LNG	1974
			1,000 × 3	LNG	1975–79
Tachibanawan	J-POWER	2,100	1,050 × 2	Coal	2000
Takehara	J-POWER	1,300	250 × 1	Coal	1967
			350 × 1	Coal	1995
			700 × 1	Coal	1983
Taketoyo	Chubu EPCo	1,125	375 × 3	Heavy, crude oil	1972
Tamashima	Chugoku EPCo	1,200	350 × 2	Heavy, crude oil	1971–72
			500 × 1	Heavy, crude oil	1974
Tanagawa No. 2	Kansai EPCo	1,200	600 × 2	Heavy, crude oil, naphtha	1977
Tomato-Atsuma	Hokkaido EPCo	1,650	350 × 1	Coal	1980
			600 × 1	Coal	1985
			700 × 1	Coal	2002
Toyama Shinko	Hokuriku EPCo	1,500	500 × 2	Heavy, crude oil	1974–81
			250 × 2	Coal, heavy oil	1971–72
Tsuruga	Hokuriku EPCo	1,200	500 × 1	Coal	1991
			700 × 1	Coal	2000
Yanai	Chugoku EPCo	1,400	700 × 2	LNG (Combined-cycle)	1992–96
Yokkaichi	Chubu EPCo	1,245	220 × 3	LNG	1963
			585 × 1	LNG, LPG (Combined-cycle)	1988
Yokohama	Tokyo EPCo	3,325	175 × 1	LNG, heavy, crude oil	1964
			350 × 1	LNG, heavy, crude oil	1968
			1,400 × 2	LNG (Combined-cycle)	1996–98
Yokosuka	Tokyo EPCo	2,274	350 × 6	Heavy, crude oil	1964–70
			30 × 1	Light oil (Gas turbine)	1971
			144 × 1	Light oil, city gas	2007

Note: Plants are listed in alphabetical order.

Sources: 10 EPCOs, J-POWER, METI

Under Construction (500 MW or above, as of March 31, 2010)

Plant	Company	Unit Capacity (MW)		Fuel	Year Commissioned
Futtsu	Tokyo EPCo	507		LNG (Combined-cycle)	2010
Sakaiko	Kansai EPCo	800	400		2010
			400		2010
Maizuru	Kansai EPCo	900		Coal	2010
Yoshinoura	Okinawa EPCo	753	251	LNG (Combined-cycle)	2012
			251		2013
			251		2016
Joetsu	Chubu EPCo	1,190		LNG (Combined-cycle)	2012–13
		1,190		LNG (Combined-cycle)	2013–14
Hirono	Tokyo EPCo	600		Coal	2013
Hitachinaka	Tokyo EPCo	1,000		Coal	2013
Matsuura	Kyushu EPCo	1,000		Coal	2023–

Note: Plants are listed in order of the year in which the first generator will be commissioned.

Source: 10 EPCOs, J-POWER

Geothermal Power Plants (5 MW or above, as of March 31, 2010)

Plant	Company	Installed Capacity (MW)	Generation (MW)	Year Commissioned
Hatchoubaru	Kyushu EPCo	55	Double-flush	1977
		55	Double-flush	1990
Kakkonda	Tohoku EPCo	50	Single-flush	1978
	Tohoku Hydropower and Geothermal Energy Co.			
	Tohoku EPCo	30	Single-flush	1996
	Tohoku Hydropower and Geothermal Energy Co.			
Matsukawa	Tohoku Hydropower and Geothermal Energy Co.	23.5	Dry-steam	1966
Mori	Hokkaido EPCo	50	Double-flush	1982
Ogiri	Kyushu EPCo	30	Single-flush	1996
	Nittetsu Kagoshima Geothermal Co.			
Onikobe	J-POWER	15	Single-flush	1975
Onuma	Mitsubishi Material Co.	9.5	Single-flush	1974
Otake	Kyushu EPCo	12.5	Single-flush	1967
Sumikawa	Tohoku EPCo	50	Single-flush	1995
	Mitsubishi Material Co.			
Takigami	Kyushu EPCo	25	Single-flush	1996
	Idemitsu Oita Geothermal Co.			
Uenotai	Tohoku EPCo	28.8	Single-flush	1994
	Akita Geothermal Energy Co.			
Yamagawa	Kyushu EPCo	30	Single-flush	1995
Yanaizu-Nishiyama	Tohoku EPCo	65	Single-flush	1995
	Okuaizu Geothermal Co.			

Note: Plants are listed in alphabetical order.

Sources: FEPC, J-POWER, Thermal and Nuclear Power Engineering Society

Nuclear Power Plants (As of March 31, 2010)

Plant	Company	Installed Capacity (MW)	Unit Number	Type of Reactor	Unit Capacity (MW)	Year Commissioned
Fukushima No. 1	Tokyo EPCo	4,696	No. 1	BWR	460	1971
			No. 2	BWR	784	1974
			No. 3	BWR	784	1976
			No. 4	BWR	784	1978
			No. 5	BWR	784	1978
			No. 6	BWR	1,100	1979
Fukushima No. 2	Tokyo EPCo	4,400	No. 1	BWR	1,100	1982
			No. 2	BWR	1,100	1984
			No. 3	BWR	1,100	1985
			No. 4	BWR	1,100	1987
Genkai	Kyushu EPCo	3,478	No. 1	PWR	559	1975
			No. 2	PWR	559	1981
			No. 3	PWR	1,180	1994
			No. 4	PWR	1,180	1997
Hamaoka	Chubu EPCo	3,504	No. 3	BWR	1,100	1987
			No. 4	BWR	1,137	1993
			No. 5	ABWR	1,267	2005
			No. 6	ABWR	1,400 class	2018–
Higashi-dori	Tohoku EPCo	1,100	No. 1	BWR	1,100	2005
Ikata	Shikoku EPCo	2,022	No. 1	PWR	566	1977
			No. 2	PWR	566	1982
			No. 3	PWR	890	1994
Kashiwazaki Kariwa	Tokyo EPCo	8,212	No. 1	BWR	1,100	1985
			No. 2	BWR	1,100	1990
			No. 3	BWR	1,100	1993
			No. 4	BWR	1,100	1994
			No. 5	BWR	1,100	1990
			No. 6	ABWR	1,356	1996
			No. 7	ABWR	1,356	1997
Mihama	Kansai EPCo	1,666	No. 1	PWR	340	1970
			No. 2	PWR	500	1972
			No. 3	PWR	826	1976
Ohi	Kansai EPCo	4,710	No. 1	PWR	1,175	1979
			No. 2	PWR	1,175	1979
			No. 3	PWR	1,180	1991
			No. 4	PWR	1,180	1993
Onagawa	Tohoku EPCo	2,174	No. 1	BWR	524	1984
			No. 2	BWR	825	1995
			No. 3	BWR	825	2002
Sendai	Kyushu EPCo	1,780	No. 1	PWR	890	1984
			No. 2	PWR	890	1985
Shika	Hokuriku EPCo	1,746	No. 1	BWR	540	1993
			No. 2	ABWR	1,206	2006
Shimane	Chugoku EPCo	1,280	No. 1	BWR	460	1974
			No. 2	BWR	820	1989
Takahama	Kansai EPCo	3,392	No. 1	PWR	826	1974
			No. 2	PWR	826	1975
			No. 3	PWR	870	1985
			No. 4	PWR	870	1985
Tokai No. 2	JAPC	1,100		BWR	1,100	1978
Tomari	Hokkaido EPCo	2,070	No. 1	PWR	579	1989
			No. 2	PWR	579	1991
			No. 3	PWR	912	2009
Tsuruga	JAPC	1,517	No. 1	BWR	357	1970
			No. 2	PWR	1,160	1987

Note: Plants are listed in alphabetical order.
Source: 10 EPCOs, JAPC

Under Construction (As of March 31, 2010)

Plant	Company	Unit Number	Type of Reactor	Unit Capacity (MW)	Year Commissioned
Shimane	Chugoku EPCo	No. 3	ABWR	1,373	2011
Oma	J-POWER	No. 1	ABWR	1,383	2014
Fukushima No. 1	Tokyo EPCo	No. 7	ABWR	1,380	2016
		No. 8	ABWR	1,380	2017
Higashidori	Tokyo EPCo	No. 1	ABWR	1,385	2017
		No. 2	ABWR	1,385	2020–

Note: Plants are listed in order of the year in which the first generator will be commissioned.
Sources: 10 EPCOs, JAPC

Principal Hydroelectric Power Plants Owned by Electric Utilities (360 MW or above, as of March 31, 2010)

Plant	Company	Type	Installed Capacity (MW)		Maximum Discharge (m ³ /sec)	Effective Head (m)	Year Commissioned
Azumi	Tokyo EPCo	Pumped-storage	623		540	136	1969
Hongawa	Shikoku EPCo	Pumped-storage	615		140	528	1984
Imaichi	Tokyo EPCo	Pumped-storage	1,050		240	524	1988
Kannagawa	Tokyo EPCo	Pumped-storage	470		510	653	2005
Kazunogawa No. 1, No. 2	Tokyo EPCo	Pumped-storage	800		140	714	1999
Kisenyama	Kansai EPCo	Pumped-storage	466		248	220	1970
Matanogawa	Chugoku EPCo	Pumped-storage	1,200		300	489	1996
Nabara	Chugoku EPCo	Pumped-storage	620		254	294	1976
Numappara	J-POWER	Pumped-storage	675		173	478	1973
Numazawa No. 2	Tohoku EPCo	Pumped-storage	460		250	214	1982
Ohira	Kyushu EPCo	Pumped-storage	500		124	490	1975
Okawachi	Kansai EPCo	Pumped-storage	1,280		382	395	1995
Okukiyotsu	J-POWER	Pumped-storage	1,000		260	470	1982
Okukiyotsu No. 2	J-POWER	Pumped-storage	600		154	470	1996
Okumino	Chubu EPCo	Pumped-storage	1,500		375	486	1995
Okutadami	J-POWER	Conventional	560		249	170	2003
Okutataragi	Kansai EPCo	Pumped-storage	1,932		594	388	1998
Okuyahagi No. 2	Chubu EPCo	Pumped-storage	780		234	405	1981
Okuyoshino	Kansai EPCo	Pumped-storage	1,206		288	505	1980
Shimogo	J-POWER	Pumped-storage	1,000		314	387	1991
Shin Takasegawa	Tokyo EPCo	Pumped-storage	1,280		644	229	1979
Shin Toyone	J-POWER	Pumped-storage	1,125		645	203	1973
Shiobara	Tokyo EPCo	Pumped-storage	900		324	338	1994
Tagokura	J-POWER	Conventional	390		420	105	1961
Tambara	Tokyo EPCo	Pumped-storage	1,200		276	518	1982
Tenzan	Kyushu EPCo	Pumped-storage	600		140	520	1987

Notes: 1. Plants are listed in alphabetical order.

2. "Year Commissioned" refers to the date operation began with the installed capacity indicated in the chart.

Sources: 10 EPCOs, J-POWER

Under Construction (360 MW or above, as of March 31, 2010)

Plant	Company	Type	Installed Capacity (MW)		Maximum Discharge (m ³ /sec)	Effective Head (m)	Year Commissioned
Omarugawa	Kyushu EPCo	Pumped-storage	1,200	300	222	646	2007 (completed)
				300			2009 (completed)
				300			2010
				300			2011
Kannagawa	Tokyo EPCo	Pumped-storage	2,350	470	510	653	2012
				470 × 4			2019–
Kyogoku	Hokkaido EPCo	Pumped-storage	600	200	190.5	369	2014
				200 × 2			2020–
Kazunogawa No. 3, No. 4	Tokyo EPCo	Pumped-storage	800		140	714	2019–

Note: Plants are listed in order of the year in which the first generator will be commissioned.

Sources: 10 EPCOs, J-POWER

Peak Capacity, Peak Load, Energy Requirement, Reserve Margin and Load Factor

	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Peak Capacity (GW)	194.0	194.0	196.5	192.6	198.3	198.7	198.6	194.5	196.7	198.7
Peak Load (GW)	172.3	177.5	176.7	167.3	175.8	174.9	175.5	181.3	178.6	158.5
Energy Requirement (TWh)	905.2	889.7	912.6	906.0	942.1	961.9	970.8	1,004.5	953.1	922.2
Reserve (GW)	21.7	16.4	19.8	25.3	22.5	23.8	23.4	13.2	18.1	40.3
Reserve Margin (%)	12.6	9.3	11.2	15.1	12.8	13.6	13.2	7.3	10.1	25.4
Load Factor (%)	60.0	57.2	59.0	61.5	61.2	62.8	63.2	63.1	60.9	66.4

Notes: 1. Peak capacity and peak load are for all electric utilities in Japan. Peak capacity is the largest possible supply capacity; peak load is the average value of the three highest daily loads at the transmission end occurring during the month in which the annual peak is recorded.

2. Energy requirement is the total annual demand for electric utilities in Japan.

3. Reserve = Peak Capacity – Peak Load

$$\text{Reserve Margin} = \frac{\text{Reserve} \times 100}{\text{Peak Load}}$$

4. Load Factor = $\frac{\text{Energy Requirement} \times 100}{\text{Peak Load} \times 365 \text{ (366) days} \times 24 \text{ hours}}$

Source: Japan Electric Power Survey Committee

Balance of Electricity Supply and Demand (Electric Utilities)

	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Electric Energy Requirement (TWh)										
At Transmission End	905.1	889.7	912.6	906.0	942.1	961.9	970.8	1,004.5	953.1	922.2
At Customer End	858.1	844.3	862.9	858.2	893.0	913.3	922.3	955.2	903.5	873.9
Annual Peak Balance (GW)										
Peak Capability										
Thermal Power Plants*	120.9	121.9	119.3	125.8	125.4	124.4	123.9	124.9	125.1	127.0
Nuclear Power Plants	36.8	35.0	40.2	26.6	34.4	35.0	35.5	31.3	33.2	32.5
Hydroelectric Power Plants	34.7	35.2	35.0	37.8	35.7	36.3	36.9	34.9	34.2	35.3
Others	1.7	1.8	1.9	2.4	2.9	3.0	3.4	3.3	4.1	3.9
Total Peak Capacity	194.0	194.0	196.5	192.6	198.3	198.7	198.6	194.5	196.7	198.7
Peak Load	172.3	177.5	176.7	167.3	175.8	174.9	175.5	181.3	178.6	158.5
Reserve	21.7	16.4	19.8	25.3	22.5	23.8	23.2	13.2	18.1	40.3
Reserve Margin (%)	12.6	9.3	11.2	15.1	12.8	13.6	13.2	7.3	10.1	25.4
Total Generating Capacity (GW)										
Thermal Power Plants*	142.2	142.8	146.3	147.8	149.9	148.1	147.9	147.5	147.0	149.4
Nuclear Power Plants	44.9	45.7	45.7	45.7	47.1	49.6	49.5	49.5	47.9	48.8
Hydroelectric Power Plants	44.9	45.0	45.0	45.4	45.4	45.9	45.9	46.2	46.4	46.4
Total	232.0	233.5	237.0	238.9	242.4	243.7	243.3	243.2	241.4	244.6

*Includes geothermal power plants.

Source: Japan Electric Power Survey Committee

Long-Term Energy Supply (As of August 2009)

Fuel Type (Million kl oil equivalent)	FY1990 (Actual)		FY2005 (Actual)		FY2030 (Projected)					
					Reference Case		Energy Saving Measures Case		New Energy Promotion Measures Case	
Oil	290	(57)%	273	(46)%	238	(37)%	222	(38)%	185	(36)%
Coal	86	(17)	123	(21)	131	(21)	119	(20)	92	(18)
Natural Gas	53	(10)	88	(15)	112	(18)	94	(16)	71	(14)
Nuclear	49	(10)	69	(12)	107	(17)	107	(18)	107	(21)
Hydroelectric	22	(4)	17	(3)	19	(3)	19	(3)	20	(4)
Geothermal	0	(0)	1	(0)	1	(0)	1	(0)	2	(0)
New Energy	12	(2)	16	(3)	29	(5)	29	(5)	38	(7)
Total	512	(100)%	587	(100)%	637	(100)%	590	(100)%	515	(100)%

Notes: 1. Oil includes LPG.

2. "Reference Case" assumes that trends observed in the past will continue in the future.

3. "Energy Saving Measures Case" assumes development of energy-saving equipment, new technologies, heat pumps and distributed power plants.

4. "New Energy Promotion Measures Case" assumes that the share of new energy in the power supply will be the maximum possible within the available range.

Source: METI

Financial Data

Revenues and Expenditures for the EPCOs										
(Billion yen)										
	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Revenues										
Residential	5,875	5,799	5,751	5,582	5,783	5,848	5,768	6,022	6,244	5,854
Commercial and Industrial	9,008	8,804	8,318	8,088	8,154	8,124	8,322	8,601	9,185	7,896
Intercompany Power Sales	618	615	528	477	448	485	503	506	538	424
Power Sales to Other Utilities	20	19	22	34	48	72	88	104	101	57
Others	235	282	305	296	360	479	584	570	642	598
Total	15,758	15,521	14,927	14,478	14,796	15,010	15,266	15,803	16,710	14,829
Expenditures										
Personnel	1,816	1,758	1,883	1,796	1,665	1,502	1,389	1,266	1,490	1,614
Fuel	2,008	1,911	2,021	2,044	2,178	2,755	3,117	4,471	5,139	3,054
Maintenance	1,701	1,588	1,392	1,362	1,422	1,410	1,509	1,513	1,557	1,568
Interest Charges	1,052	883	737	616	574	474	442	406	414	368
Depreciation	2,791	2,761	2,617	2,477	2,376	2,302	2,136	2,155	2,118	2,129
Taxes and Public Charges	1,063	1,052	1,041	1,017	1,020	1,003	998	986	974	939
Intercompany Power Purchases	618	615	528	477	448	484	514	493	538	424
Power Purchases	1,186	1,231	1,297	1,277	1,360	1,420	1,444	1,576	1,904	1,570
Provision for (Reversal of) Reserve for Fluctuations in Water Levels	—	(7)	(3)	32	33	(29)	10	(29)	(17)	(8)
Income Taxes	359	364	339	348	416	436	426	63	(67)	253
Others	2,528	2,713	2,477	2,398	2,575	2,494	2,608	2,826	2,589	2,489
Total	15,125	14,873	14,332	13,849	14,074	14,256	14,603	15,744	16,922	14,409
Net Income	633	647	595	628	722	754	663	59	(212)	419

Note: The figures may not add up to the totals shown due to rounding.
Source: FEPC

Balance Sheet for the EPCOs										
(Billion yen)										
	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Assets										
Property	38,591	37,899	36,834	35,567	34,166	32,793	31,686	31,046	30,610	30,053
Thermal Power Plants	5,183	5,152	4,856	4,843	4,751	4,297	3,964	3,645	3,500	3,260
Nuclear Power Plants	3,203	3,229	2,894	2,619	2,670	3,068	2,813	2,575	2,422	2,604
Hydroelectric Power Plants	2,792	2,671	2,565	2,448	2,337	2,497	2,402	2,449	2,352	2,257
Transmission, Transformation and Distribution Equipment	19,741	19,512	18,934	18,394	17,828	17,373	16,924	16,512	16,110	15,701
Construction in Progress	4,276	3,756	3,821	3,406	2,746	1,775	1,924	2,189	2,530	2,549
Nuclear Fuel	2,015	2,125	2,314	2,391	2,463	2,437	2,406	2,462	2,522	2,520
Other Property	1,377	1,452	1,447	1,463	1,368	1,343	1,249	1,214	1,174	1,130
Investment and Other Assets	3,230	3,210	3,315	3,508	3,669	4,949	5,281	5,656	5,715	6,063
Current Assets	1,602	1,635	1,534	1,493	1,616	1,827	2,053	2,362	2,821	2,314
Total	43,425	42,746	41,684	40,570	39,453	39,570	39,020	39,065	39,148	38,430
Liabilities and Net Assets										
Long-Term Debt, Less Current Maturities	23,363	22,687	21,873	20,878	19,273	18,391	17,566	18,080	18,888	18,077
Liability for Retirement Benefits	1,456	1,480	1,598	1,673	1,647	1,508	1,408	1,318	1,302	1,339
Reserve for Reprocessing of Irradiated Nuclear Fuel	1,981	2,351	2,538	2,699	2,917	2,970	3,054	2,946	2,943	2,924
Reserve for Decommissioning of Nuclear Power Units	828	870	919	926	951	1,020	1,067	1,267	1,325	1,386
Current Liabilities	8,293	7,727	6,951	6,116	5,934	6,245	6,095	6,181	6,114	6,071
Reserves	40	32	29	61	95	65	81	70	65	67
Shareholders' Equity	7,461	7,594	7,772	8,214	8,633	9,368	9,747	9,200	8,507	8,565
Common Stock	2,599	2,599	2,599	2,599	2,559	2,655	2,655	2,655	2,655	2,656
Capital Surplus	270	270	270	271	271	331	332	329	329	329
Retained Earnings	4,271	4,563	4,868	5,211	5,643	6,102	6,452	6,175	5,637	5,696
Unrealized Gain on Securities	320	172	84	222	227	409	454	219	64	76
Treasury Stock	—	(11)	(50)	(90)	(108)	(130)	(147)	(178)	(178)	(192)
Total	43,425	42,746	41,684	40,570	39,453	39,570	39,020	39,066	39,148	38,430

Note: The figures may not add up to the totals shown due to rounding.
Source: FEPC

Uses and Sources of Funds for the EPCOs

(Billion yen)

	FY 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Investments*	2,927	2,632	2,075	1,770	1,512	1,497	1,529	1,854	2,124	2,034
Debt Redemption	10,483	12,205	11,601	12,385	10,425	8,361	8,697	8,005	7,999	7,285
Total Required Funds	13,410	14,838	13,677	14,155	11,937	9,859	10,226	9,859	10,124	9,319
Sources of Funds										
Internal Funds	3,761	3,733	3,473	3,419	3,551	2,001	2,452	1,710	1,355	3,010
Bonds	1,738	1,761	1,661	1,125	737	921	1,051	1,661	1,795	877
Loans	7,910	9,343	8,543	9,610	7,648	6,936	6,723	6,488	6,974	5,432
Total Sources of Funds	13,410	14,838	13,677	14,155	11,937	9,859	10,226	9,859	10,124	9,319

* Includes nuclear fuel.

Note: The figures may not add up to the totals shown due to rounding.

Source: FEPC

Summarized Comparative Table Classified by Country for the Year 2008

	Canada	USA	UK	France	Germany	Italy	Russia	China	Korea	Japan
Total Installed Capacity (MW)	125,611	1,112,264	83,542	117,628	115,318	98,625	225,500	792,730	77,652	277,511
Hydroelectric	74,434	98,465	4,283	25,360	10,128	21,275	47,100	172,600	5,505	47,949
Thermal	35,446	881,227	65,222	24,665	83,870	73,394	155,100	602,860	54,431	179,324
Nuclear	13,345	105,764	10,979	63,260	21,320	–	23,300	8,850	17,716	47,935
Total Energy Production (GWh)	618,330	4,110,259	389,649	549,152	576,017	319,130	1,040,000	3,451,000	446,690	1,146,269
Hydroelectric	373,549	241,846	9,257	67,996	24,801	47,227	167,000	565,500	5,563	83,504
Thermal	150,372	3,009,362	308,165	53,176	410,682	268,848	710,000	2,803,000	290,169	798,930
Nuclear	90,588	806,182	52,486	418,278	140,534	–	163,000	69,200	150,958	258,128
Capacity Factor (%)	55.4	45.2	50.9	53.1	57.0	36.8	51.7	53.1	67.7	–
Total Energy Production per Capita (kWh)	18,562	13,518	6,348	8,817	7,002	5,334	7,326	2,599	9,190	8,976
Domestic Energy Supplies (GWh)	591,963	4,110,259	356,394	494,539	508,680	339,481	1,002,800	–	426,073	938,041
Energy Sales (GWh)	501,307	3,721,562	327,939	–	515,899	298,698	–	–	385,070	888,935
Residential	161,191	1,379,307	117,841	–	135,912	68,382	–	–	56,228	285,283
Commercial and Industrial	174,605	2,334,603	178,496	–	237,559	–	–	–	320,453	603,651
Others	165,511	7,652	31,602	–	142,428	–	–	–	8,389	–
Number of Customers (At year-end; thousands)	–	143,406	29,661	–	–	36,238	–	–	18,419	83,284
Residential	–	125,081	–	–	–	30,646	–	–	13,473	75,240
Commercial and Industrial	–	18,325	–	–	–	–	–	–	–	8,044
Others	–	1	–	–	–	–	–	–	–	–
Maximum Demand (MW)	93,619	752,469	60,289	84,400	78,500	55,292	–	–	62,794	178,995
Annual Load Factor (%)	66.3	58.6	67.0	66.9	74.0	61.7	–	83.2	76.6	61.0
Thermal Efficiency (%)	30.8	34.1	36.0	–	40.6	44.5	36.6	35.6	40.8	41.3
Loss Factor (Transmission and distribution) (%)	6.2	6.8	8.0	6.8	5.8	6.0	10.7	6.8	4.0	5.1
Total Consumption per Capita (kWh)	16,673	–	5,710	7,402	6,602	5,332	6,436	2,589	8,423	7,006

Source: JEPIC

JEPIC

Japan Electric Power Information Center, Inc. (JEPIC) was established in 1958 as a non-profit association of the electric utility industry in Japan in order to meet the increasing needs for a systematic and sustained exchange of information with other electric utilities around the world. Soon after its establishment, JEPIC also initiated technical cooperation programs in the electric power field in developing countries as one of its primary activities conducted in response to government policies.

Research and Information Activities

JEPIC provides timely information on the world's electric power industry through regular publications and various reports on fact-finding research and comparative studies. JEPIC also provides appropriate information services upon request from electric utilities and related organizations overseas concerning Japan's electric power industry.

Exchange and Cooperation Activities

JEPIC coordinates exchange and cooperative programs involving Japan's electric power companies through its information activities, and makes the necessary arrangements for reception and dispatch of personnel. It also supports its member companies' personnel training programs by dispatching participating personnel to developed countries in North America, Europe and Oceania. As part of its information exchange activities, JEPIC organizes international meetings and lectures to exchange views and promote understanding of challenging issues common to members of the electric power industry in Japan and overseas.

International Cooperation

JEPIC promotes integrated international cooperation in developing countries in the electric power field mainly through the efforts of the JEPIC International Cooperation Center (ICC). The ICC has expanded its cooperation programs involving activities such as reception of trainees and dispatch of experts. It also performs the following functions:

- Studies on the state of the electric power industry in developing countries and exploration of their assistance needs
- Establishment of cooperation programs and follow-up
- Exchanges with electric utilities in developing countries

