Major Power Plants

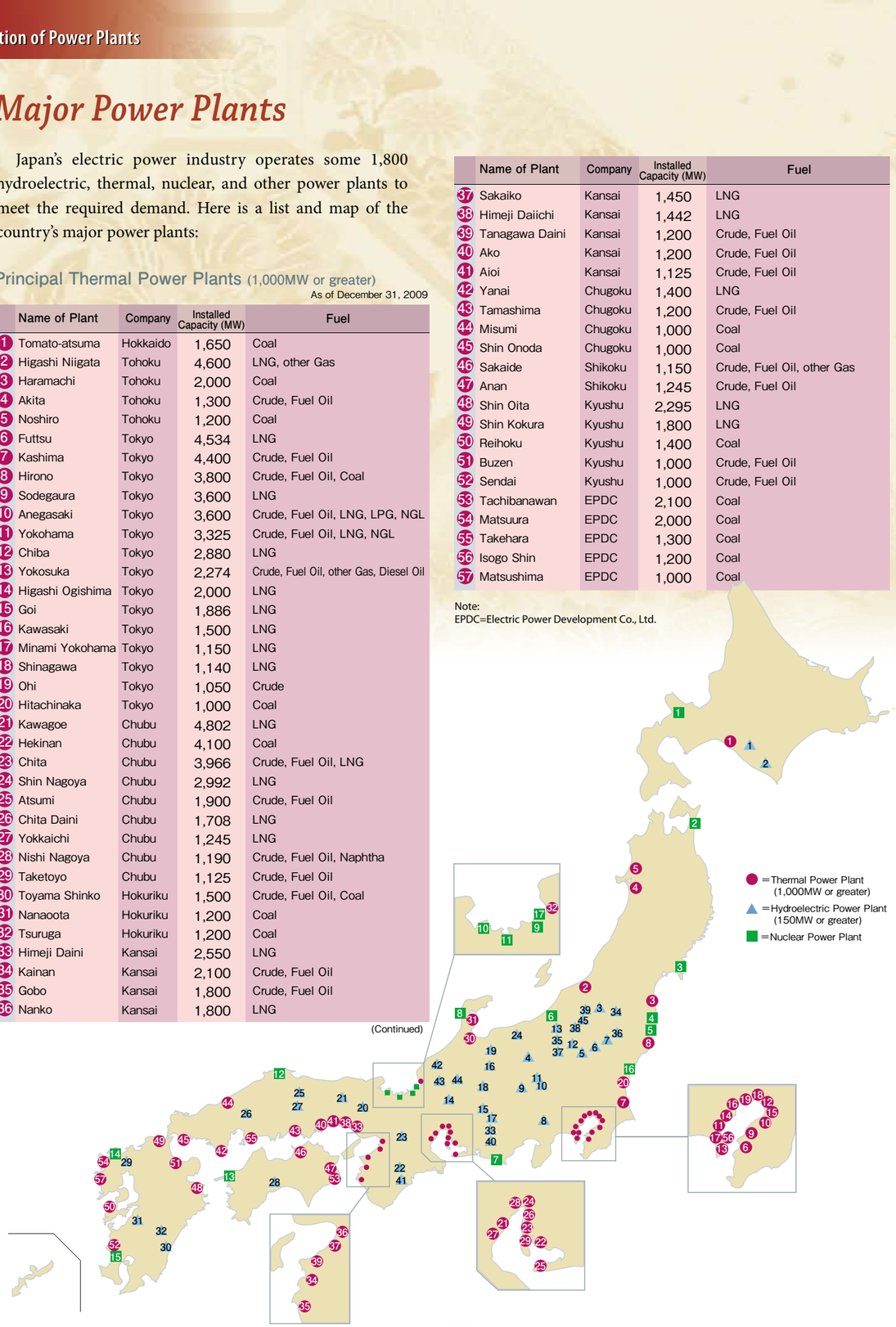
Japan's electric power industry operates some 1,800 hydroelectric, thermal, nuclear, and other power plants to meet the required demand. Here is a list and map of the country's major power plants:

Principal Thermal Power Plants (1,000MW or greater)

As of December 31, 2009

	Name of Plant	Company	Installed Capacity (MW)	Fuel
1	Tomato-atsuma	Hokkaido	1,650	Coal
2	Higashi Niigata	Tohoku	4,600	LNG, other Gas
3	Haramachi	Tohoku	2,000	Coal
4	Akita	Tohoku	1,300	Crude, Fuel Oil
5	Noshiro	Tohoku	1,200	Coal
6	Futtsu	Tokyo	4,534	LNG
7	Kashima	Tokyo	4,400	Crude, Fuel Oil
8	Hirono	Tokyo	3,800	Crude, Fuel Oil, Coal
9	Sodegaura	Tokyo	3,600	LNG
10	Anegasaki	Tokyo	3,600	Crude, Fuel Oil, LNG, LPG, NGL
11	Yokohama	Tokyo	3,325	Crude, Fuel Oil, LNG, NGL
12	Chiba	Tokyo	2,880	LNG
13	Yokosuka	Tokyo	2,274	Crude, Fuel Oil, other Gas, Diesel Oil
14	Higashi Ogishima	Tokyo	2,000	LNG
15	Goi	Tokyo	1,886	LNG
16	Kawasaki	Tokyo	1,500	LNG
17	Minami Yokohama	Tokyo	1,150	LNG
18	Shinagawa	Tokyo	1,140	LNG
19	Ohi	Tokyo	1,050	Crude
20	Hitachinaka	Tokyo	1,000	Coal
21	Kawagoe	Chubu	4,802	LNG
22	Hekinan	Chubu	4,100	Coal
23	Chita	Chubu	3,966	Crude, Fuel Oil, LNG
24	Shin Nagoya	Chubu	2,992	LNG
25	Atsumi	Chubu	1,900	Crude, Fuel Oil
26	Chita Daini	Chubu	1,708	LNG
27	Yokkaichi	Chubu	1,245	LNG
28	Nishi Nagoya	Chubu	1,190	Crude, Fuel Oil, Naphtha
29	Taketoyo	Chubu	1,125	Crude, Fuel Oil
30	Toyama Shinko	Hokuriku	1,500	Crude, Fuel Oil, Coal
31	Nanaoota	Hokuriku	1,200	Coal
32	Tsuruga	Hokuriku	1,200	Coal
33	Himeji Daini	Kansai	2,550	LNG
34	Kainan	Kansai	2,100	Crude, Fuel Oil
35	Gobo	Kansai	1,800	Crude, Fuel Oil
36	Nanko	Kansai	1,800	LNG
37	Sakaiko	Kansai	1,450	LNG
38	Himeji Daiichi	Kansai	1,442	LNG
39	Tanagawa Daini	Kansai	1,200	Crude, Fuel Oil
40	Ako	Kansai	1,200	Crude, Fuel Oil
41	Aioi	Kansai	1,125	Crude, Fuel Oil
42	Yanai	Chugoku	1,400	LNG
43	Tamashima	Chugoku	1,200	Crude, Fuel Oil
44	Misumi	Chugoku	1,000	Coal
45	Shin Onoda	Chugoku	1,000	Coal
46	Sakaide	Shikoku	1,150	Crude, Fuel Oil, other Gas
47	Anan	Shikoku	1,245	Crude, Fuel Oil
48	Shin Oita	Kyushu	2,295	LNG
49	Shin Kokura	Kyushu	1,800	LNG
50	Reihoku	Kyushu	1,400	Coal
51	Buzen	Kyushu	1,000	Crude, Fuel Oil
52	Sendai	Kyushu	1,000	Crude, Fuel Oil
53	Tachibanawan	EPDC	2,100	Coal
54	Matsuura	EPDC	2,000	Coal
55	Takehara	EPDC	1,300	Coal
56	Isogo Shin	EPDC	1,200	Coal
57	Matsushima	EPDC	1,000	Coal

Note:
EPDC=Electric Power Development Co., Ltd.



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Nuclear Power Plants

In Operation

As of January 31, 2010

	Name of Plant	Unit Number	Company	Installed Capacity (MW)	Type of Reactor	Start
1	Tomari	1	Hokkaido	579	PWR	1989.6
		2		579	PWR	1991.4
		3		912	PWR	2009.12
2	Higashi-Dori	1	Tohoku	1,100	BWR	2005.12
3	Onagawa	1	Tohoku	524	BWR	1984.6
		2		825	BWR	1995.7
		3		825	BWR	2002.1
4	Fukushima Daiichi	1	Tokyo	460	BWR	1971.3
		2		784	BWR	1974.7
		3		784	BWR	1976.3
		4		784	BWR	1978.10
		5		784	BWR	1978.4
		6		1,100	BWR	1979.10
5	Fukushima Daini	1	Tokyo	1,100	BWR	1982.4
		2		1,100	BWR	1984.2
		3		1,100	BWR	1985.6
		4		1,100	BWR	1987.8
6	Kashiwazaki Kariwa	1	Tokyo	1,100	BWR	1985.9
		2		1,100	BWR	1990.9
		3		1,100	BWR	1993.8
		4		1,100	BWR	1994.8
		5		1,100	BWR	1990.4
		6		1,356	ABWR	1996.11
		7		1,356	ABWR	1997.7
7	Hamaoka	3	Chubu	1,100	BWR	1987.8
		4		1,137	BWR	1993.9
		5		1,267	ABWR	2005.1
8	Shika	1	Hokuriku	540	BWR	1993.7
		2		1,206	ABWR	2006.3
9	Mihama	1	Kansai	340	PWR	1970.11
		2		500	PWR	1972.7
		3		826	PWR	1976.12
10	Takahama	1	Kansai	826	PWR	1974.11
		2		826	PWR	1975.11
		3		870	PWR	1985.1
		4		870	PWR	1985.6
11	Ohi	1	Kansai	1,175	PWR	1979.3
		2		1,175	PWR	1979.12
		3		1,180	PWR	1991.12
		4		1,180	PWR	1993.2
12	Shimane	1	Chugoku	460	BWR	1974.3
		2		820	BWR	1989.2
13	Ikata	1	Shikoku	566	PWR	1977.9
		2		566	PWR	1982.3
		3		890	PWR	1994.12
14	Genkai	1	Kyushu	559	PWR	1975.10
		2		559	PWR	1981.3
		3		1,180	PWR	1994.3
		4		1,180	PWR	1997.7
15	Sendai	1	Kyushu	890	PWR	1984.7
		2		890	PWR	1985.11
16	Tokai Daini		Japan Atomic Power Co.	1,100	BWR	1978.11
17	Tsuruga	1	Japan Atomic Power Co.	357	BWR	1970.3
		2		1,160	PWR	1987.2
Total		54 Units		48,847MW		

Under Construction

(Estimated start)

Shimane	3	Chugoku	1,373	ABWR	2011.12
Ohma		EPDC	1,383	ABWR	2014.11
Total	2 Units		2,756MW		

End of Operation

Hamaoka	1	Chubu	540	BWR	2009.1
	2		840	BWR	2009.1
Tokai		Japan Atomic Power Co.	166	GCR	1998.3
Total	3 Units		1,546MW		

Others

Fugen	Japan Atomic Energy Agency	165	ATR(Prototype)
Monju	Japan Atomic Energy Agency	280	FBR(Prototype)

Principal Hydroelectric Power Plants (150MW or greater)

As of March 31, 2009

	Name of Plant	Company	Installed Capacity (MW)	Type
1	Niikappu	Hokkaido	200	Pumped Storage
2	Takami	Hokkaido	200	Pumped Storage
3	Daini Numazawa	Tohoku	460	Pumped Storage
4	Shin Takasegawa	Tokyo	1,280	Pumped Storage
5	Tamahara	Tokyo	1,200	Pumped Storage
6	Imaichi	Tokyo	1,050	Pumped Storage
7	Shiobara	Tokyo	900	Pumped Storage
8	Kazunogawa	Tokyo	800	Pumped Storage
9	Azumi	Tokyo	623	Pumped Storage
10	Kannagawa	Tokyo	470	Pumped Storage
11	Midono	Tokyo	245	Pumped Storage
12	Yagisawa	Tokyo	240	Pumped Storage
13	Shinanogawa	Tokyo	177	
14	Okumino	Chubu	1,500	Pumped Storage
15	Okuyahagi Daini	Chubu	780	Pumped Storage
16	Takane Daiichi	Chubu	340	Pumped Storage
17	Okuyahagi Daiichi	Chubu	315	Pumped Storage
18	Mazegawa Daiichi	Chubu	288	Pumped Storage
19	Arimine Daiichi	Hokuriku	265	
20	Okutataragi	Kansai	1,932	Pumped Storage
21	Okawachi	Kansai	1,280	Pumped Storage
22	Okuyoshino	Kansai	1,206	Pumped Storage
23	Kisenyama	Kansai	466	Pumped Storage
24	Kurobegawa Daiyon	Kansai	335	
25	Matanogawa	Chugoku	1,200	Pumped Storage
26	Nabara	Chugoku	620	Pumped Storage
27	Shin Nariwagawa	Chugoku	303	Pumped Storage
28	Hongawa	Shikoku	615	Pumped Storage
29	Tenzan	Kyushu	600	Pumped Storage
30	Omarugawa	Kyushu	600	Pumped Storage
31	Ohira	Kyushu	500	Pumped Storage
32	Hitotsuse	Kyushu	180	
33	Shin Toyone	EPDC	1,125	Pumped Storage
34	Shimogo	EPDC	1,000	Pumped Storage
35	Okukiyotsu	EPDC	1,000	Pumped Storage
36	Numappara	EPDC	675	Pumped Storage
37	Okukiyotsu Daini	EPDC	600	Pumped Storage
38	Okutadami	EPDC	560	
39	Tagokura	EPDC	390	
40	Sakuma	EPDC	350	
41	Ikehara	EPDC	350	Pumped Storage
42	Tedorigawa Daiichi	EPDC	250	
43	Nagano	EPDC	220	Pumped Storage
44	Miboro	EPDC	215	
45	Otori	EPDC	182	

Preparing for Construction

(Estimated start)

Namie-Odaka		Tohoku	825	BWR	FY2020
Higashi-Dori	2	Tohoku	1,385	ABWR	FY2020~
Fukushima Daiichi	7	Tokyo	1,380	ABWR	2015.10
	8		1,380	ABWR	2016.10
Higashi-Dori	1	Tokyo	1,385	ABWR	2017.3
	2		1,385	ABWR	FY2019~
Hamaoka	6	Chubu	1,400	ABWR	FY2019~
Kaminoseki	1	Chugoku	1,373	ABWR	FY2015
	2		1,373	ABWR	FY2020
Sendai	3	Kyushu	1,590	APWR	FY2019
Tsuruga	3	Japan Atomic Power Co.	1,538	APWR	2016.3
	4		1,538	APWR	2017.3
Total	12 Units		16,552MW		

Note: PWR=Pressurized Water Reactor, BWR=Boiling Water Reactor, APWR=Advanced Pressurized Water Reactor, ABWR=Advanced Boiling Water Reactor, GCR=Gas Cooled Reactor, ATR=Advanced Thermal Reactor, FBR=Fast Breeder Reactor