

List of coal-fired power plants in Japan

General utility companies (10 major companies)

Company	Power plant name		Address	Converted to coal	Start of operations (some dates indicate construction completion)	Capacity [10,000 kW]	Fuel type	Source	
Hokkaido Electric Power Company	Naie	1	Hokkaidō, Sorachi-gun, Naie-chō, Kinausunai, 198-8		01-May-68	17.5	coal		
		2			01-Feb-70	17.5	coal		
	Sunagawa	3	Hokkaidō, Sunagawa-shi, Toyonumachō, 53		01-Jun-77	12.5	coal		
		4			01-May-82	12.5	coal		
	Tomatoatsuma	1	Hokkaidō, Yūfutsu-gun, Atsuma-chō, Hamaatsuma, 615		01-Oct-80	35.0	coal		
				2		01-Oct-85	60.0	coal	
				4		01-Jun-02	70.0	coal	
Tohoku Electric Power	Noshiro	1	Akita-ken, Noshiro-shi, Ōmoriyama, 1-6		01-May-93	60.0	coal		
		2			01-Dec-94	60.0	coal		
	Haramachi	1	Fukushima-ken, Minamisōma-shi, Haramachiku Kanezawa, Ōfunasaku 54		01-Jul-97	100.0	coal		
				2		01-Jul-98	100.0	coal	
Tokyo Electric Power Company	Hirono	5	Fukushima-ken, Futaba-gun, Hirono-machi, Shimokitaba, Futatsunuma 58		01-Jul-04	60.0	coal		
		6			01-Dec-13	60.0	coal	http://www.tepco.co.jp/cc/press/2013/1232666_5117.html	
	Hitachinaka	1	Ibaraki-ken, Naka-gun, Tōkai-mura, Terunuma, 768-23		01-Dec-03	100.0	coal		

		2			01-Dec-13	100.0	coal	http://www.tepco.co.jp/cc/press/2013/1232997_5117.html
Chubu Electric Power	Hekinan	1	Aichi-ken, Hekinan-shi, Kōnanmachi, 2-8-2		01-Oct-91	70.0	coal	
		2			01-Jun-92	70.0	coal	
		3			01-Apr-93	70.0	coal	
		4			01-Nov-01	100.0	coal	
		5			01-Nov-02	100.0	coal	
Hokuriku Electric Power Company	Toyama Shinminato	Coal 1	Toyama-ken, Imizu-shi, Horiesengoku 1	1-Nov-84	01-Sep-71	25.0	coal/heavy oil	
		Coal 2		1-Dec-84	01-Jun-72	25.0	coal/heavy oil	
	Nanao Ohta	1	Ishikawa Prefecture, Nanao, Otamachi, 114-2-4		01-Mar-95	50.0	coal	
		2			01-Jul-98	70.0	coal	
	Tsuruga	1	Fukui-ken, Tsuruga-shi, Shimizu, 171-5-7		01-Oct-91	50.0	coal	
		2			01-Sep-00	70.0	coal	
Kansai Electric Power Company	Maizuru	1	Kyōto-fu, Maizuru-shi, Chitose, 560-5		01-Aug-04	90.0	coal	
		2			01-Aug-10	90.0	coal	
Chugoku Electric Power Company	Misumi	1	Shimane-ken, Hamada-shi, Misumichō Okami, 1810		01-Jun-98	100.0	coal	
	Mizushima	2	Okayama-ken, Kurashiki-shi, Ushiodō	1-Jan-06	01-Aug-63	15.6	coal	
	Oozaki	1	Hiroshima-ken, Toyotangun, Ōsakikamijima-chō, Nakano, 6208-1		01-Nov-00	25.9	coal	
	Shin-Onoda	1	Yamaguchi-ken, Sanyōonoda-shi, Shinoki, 2-1-1		01-Apr-86	50.0	coal/heavy oil	

		2			01-Jan-87	50.0	coal/heavy oil	
	Shimonoseki	1	Yamaguchi-ken, Shimonoseki-shi, Chō	1-May-80	01-Jun-68	17.5	coal/heavy oil	
Shikoku Electric Power	Tachibana-wan	1	Tokushima-ken, Anan- shi, Tachibanachō, Kokatsu 1		01-Jun-00	70.0	coal	
	Saijo	1	Ehime-ken, Saijō-shi, Kitagawa, 853	1-Jul-83	01-Nov-65	15.6	coal/heavy oil	
		2		1-Jan-84	01-Jun-70	25.0	coal/heavy oil	
	Kyushu Electric Power	Matsuura	1	Nagasaki-ken, Matsuura, Shisacho Shirahamamen, 458-1		01-Jun-89	70.0	coal
Reihoku		1	Kumamoto Prefecture, Amakusa District, Reihoku, Toshikara, 1091		01-Dec-95	70.0	coal	
		2			01-Jun-03	70.0	coal	
Karita		New 1	Fukuoka-ken, Miyako- gun, Kanda-machi, Nagahamachō, 1-1		01-Jul-01	36.0	coal	
Okinawa Electric Power Company	Kin	1	Okinawa-ken, Kunigami-gun, Kin-chō, Kin, 3333		01-Feb-02	22.0	coal	
		2			01-May-03	22.0	coal	
	Gushikawa	1	Okinawa-ken, Uruma- shi, Uken, 657		01-Mar-94	15.6	coal	
		2			01-Mar-95	15.6	coal	

Wholesale power generation etc

J-Power	Isogo	New 1	Kanagawa-ken, Yokohama-shi, Isogo- ku, Shinisogochō, 37-2		01-Apr-02	60.0	coal	
		New 2			01-Jul-09	60.0	coal	
	Takasago	1	Hyōgo-ken, Takasago- shi, Umei, 6-4-1		01-Jul-68	25.0	coal	
		2			01-Jan-69	25.0	coal	
	Takehara	1	Hiroshima-ken, Takehara-shi, Tadanouminagahama, 2-1-1		01-Jul-67	25.0	coal	

		2		1-Jun-95	01-Jun-74	35.0	coal	
		3			01-Mar-83	70.0	coal	
	Tachibana-wan	1	Tokushima-ken, Anan-shi, Tachibanachō, Kokatsu 3		01-Jul-00	105.0	coal	
		2			01-Dec-00	105.0	coal	
	Matsuura	1	Nagasaki-ken, Matsuura, Shisacho Shirahamamen, 458-1		01-Jun-90	100.0	coal	
		2			01-Jul-97	100.0	coal	
	Matsushima	1	Nagasaki-ken, Saikai-shi, Ōsetochō Matsushimauchigō, 2573-3		01-Jan-81	50.0	coal	
		2			01-Jun-81	50.0	coal	
	Ishikawa	1	Okinawa-ken, Uruma-shi, Ishikawa Akasaki, 3-4-1		01-Nov-86	15.6	coal	
		2			01-Mar-87	15.6	coal	
Sumitomo Joint Electric Power	Niihama-nishi	1	Ehime-ken, Niihama-shi, Isourachō, 16-5		01-Aug-59	7.5	coal/heavy oil	
		2			01-Sep-62	7.5	coal/heavy oil	
		3			01-Mar-08	15.0	coal	
	Niihama-higashi	1	Ehime-ken, Niihama-shi, Kikumotochō, 1-10-2	1-Jul-86	01-Feb-69	2.7	coal	
		2			01-Nov-06	0.3	coal/heavy oil	
Nyugawa	1	Ehime-ken, Saijō-shi, Hōjō, 962-10	1-Apr-03	01-Mar-75	25.0	coal/heavy oil		
Soma Kyodo Power Company	Shinchi	1	Fukushima-ken, Sōmagun, Shinchi-machi, Komagamine, Imagami 1-1		01-Jul-94	100.0	coal	
		2			01-Jul-95	100.0	coal	

Joban Joint Power Company	Nakoso	7	Fukushima-ken, Iwaki-shi, Sanukamachi, Ōshima 20	1-Dec-08	01-Oct-70	25.0	coal	
		8			01-Sep-83	60.0	coal	
		9			01-Dec-83	60.0	coal/heavy oil	
		10		1-Dec-08	01-Apr-13	25.0	coal	http://www.meti.go.jp/policy/safety_security/industrial_safety/sangyo/electric/files/sekita ngasuka/shinsasyo.pdf
Shinkou Kobe Electric Power	Shinkou Kobe Electric Power	1	Hyōgo-ken, Kōbe-shi, Nada-ku, Nadahamahigashichō, 2		01-Apr-02	66.5	coal	
		2			01-Mar-04	66.5	coal	
Sakata Kyodo Power Company	Sakata	1	Yamagata-ken, Sakata-shi, Miyaumi, Minamihama 1-19	1-Sep-84	01-Oct-77	35.0	coal	
		2		1-Jun-92	01-Oct-78	35.0	coal	
Nippon Steel & Sumitomo Metal	Muroran Iron Plant	Central 5	Hokkaidō, Muroran-shi, Nakamachi, 12		01-Oct-01	10.0	coal, coal gas, heavy oil co-combustion	
	Kamaishi Thermal	1	Iwate-ken, Kamaishi-shi, Suzukochō, 23-15		01-Jul-00	14.9	coal, heavy oil	
	Sumitomo Metals Kashima Thermal	1	Ibaraki-ken, Kashima-shi, Hikari, 3		01-Jun-07	47.5	coal	
	Hirohata		Hyōgo-ken, Himeji-shi, Hirohataku Fujichō, 1		01-Apr-99	13.3	coal	
	Tobata	3	Fukuoka-ken, Kitakyūshū-shi, Tobata-ku, Tobihatachō, 1-1		01-Apr-99	13.7	coal, coal gas	
	Oita	9	Ōita-ken, Ōita-shi, Nishinosu, 1		01-Apr-99	30.0	coal, coal gas	

Nippon Paper Industries	Kushito Plant	N1	Hokkaidō, Kushiro-shi, Tottoriminami, 2-1-47		02-Oct-04	8.0	coal	
Sanix Energy	Tomakomai		Hokkaidō, Tomakomai-shi, Benten, 504-4		01-Jun-03	7.4	coal, plastic waste	
Summit Onahama S Power	Onahama Power Plant		Fukushima-ken, Iwaki-shi, Onahama, Nagisa 2-4		01-Oct-04	5.0	coal, heavy oil	
Tokai Co-operative Power	Nagoya Power Plant	1	Aichi-ken, Tōkai-shi, Tōkaimachi, 5-3		01-Mar-90	14.9	coal, heavy oil, other gases	
Akemi Energy	Toyohashi Power Plant	1	Aichi-ken, Toyohashi-shi, Akemichō, 1		01-Apr-00	14.7	coal	
Nakayama Nagoya Kyodo Power	Nagoya Power Plant	1	Aichi-ken, Chita-gun, Taketoyo-chō, Ichigōchi, 5		01-Apr-00	14.9	coal	
Itoigawa Power	Itoigawa Power Plant	1	Niigata-ken, Itoigawa-shi, Uekari, 7-1-1		01-Jul-01	14.9	coal	
Ube Industries	Ube Industries	1	Yamaguchi-ken, Ube-shi, Kogushi, 1978-10		01-Mar-04	19.5	coal	
Tosa Power	Tosa Power Plant	1	Kōchi-ken, Kōchi-shi, Haramihigashimachi, 25		01-Apr-05	15.0	coal	

Sumitomo Osaka Cement Company	Kochi Plant	1	Kōchi-ken, Susaki-shi, Oshioka, 123		01-Apr-05	6.5	coal	
Shiguma Power Ariake	Miike Power Plant	2	Fukuoka-ken, Ōmuta- shi, Shinkōmachi, 1-57		01-Jun-75	17.5	coal/heavy oil	
	Mikawa Power Plant	1	Fukuoka-ken, Ōmuta- shi, Shinkōmachi, 1-46		01-May-83	4.8	coal	

4,180.4

Created from Electric Power Industry Handbook 2012 edition, Thermal and Nuclear Power Facilities Handbook 2011 revised edition, Climate Change Law Emission Disclosed Data, etc.

*There are also power plants that mainly used coal gas (coke oven gas, blast furnace gas, converter gas) such as Kashima Cooperation, Kimitsu Cooperation, \ Setouchi Cooperation (in Mizushima and Fukuyama), Tobata Cooperation, and Oita Cooperation Power Plants.

39,954

MW

Remark
Resumed operation after temporary suspension during earthquake
11.1 million t-CO2 Emissions including oil fired units 1~4
Performing tests since April 2013

Performing tests since
April 2013
GHG Emissions
4,770,000t-CO2 (Source:
FY 2012 No. 1 Unit)

375,000 t-CO2 emitted
including 2 oil-fired
thermal units

Biomass co-combustion

Biomass co-combustion

Biomass co-combustion

1.83 million t-CO2
emissions including

Biomass Co-combustion

Biomass Co-combustion

Biomass Co-combustion
837,000 t-CO2 emitted
including oil-fired thermal

--

--

--

--

--

999,000 t-CO2 emitted
including new oil-fired
thermal unit #2

--

--

--

--

--

--

--

Conversion from heavy oils to coal. Biomass co-combustion

Note: shift from dual fuel thermal power to coal-fired combustion?

- Demonstration tests since 2007
- In the plan, GHG emission concentration includes 10ppm of Nox and 6ppm of Sox

Conversion from heavy oils to coal

Conversion from heavy oils to coal

Overall capacity of 374MW. There are 49MW and 145MW ones for coal use

Mainly concentrate on waste according to company homepage Boiler can be used for coal.
Constructed with joint investment by Summit Energy(subsidiary 100% by Sumitomo Corporation) and
Subsidiary of Nippon Steel Corporation. Inside the company's iron plant in Nagoya.
Subsidiary of Topy Industries.Topy Industries is cooperating with Nippon Steel.
Subsidiary of Osaka Gas
IPP project of Taiheiyo Cement. Since April 2003, joint business agreement with J-Power.
Ube Industries Power Plant, unit no.2 plant, and entire Isa cement has power capacity of 530MW.
Joint investment by J-Power, Shikoku Electric Power and Taiheiyo Cement. Within Taiheiyo Cement's Tosa factory.

The factory itself emits 3.29million t-CO2.
Subsidiary of Toshiba
Subsidiary of Toshiba

ssion Calculation/Report,

/Makayama Cooperation,