

1. Outline of Kazunogawa Hydroelectric Power Station

- (1) Location: Otsuki city and Kosu city, Yamanashi Prefecture
- (2) Names of rivers: Hikawa River, Fuji Water System (upper dam)
Tsuchimurogawa River, Sagami River System (lower dam)
- (3) Output: Unit 1: 400MW (Commercial operation started on December 3, 1999)
Unit 2: 400MW (Commercial operation started on June 8, 2000)
Unit 3: 400MW (Commercial operation to start after FY 2024 (planned))
Unit 4: 400MW (Commercial operation started on June 9, 2014)
Total: 1,600MW
- (4) Effective head: 714m
- (5) Water volume: 280m³/minute (at time of all Units 1 to 4 completion)
- (6) Outline of dams

	Upper dam	Lower dam
Name	Kamihikawa dam	Kazunogawa dam
Type	Center Core-Type Rockfill Dam (*1)	Concrete Gravity Dam (*2)
Height	87m	105m
Volume	4,110,000 m ³	620,000 m ³
Total Reservoir Capacity	11,470,000 m ³	11,500,000 m ³
Water Level at Full Capacity	1,481m	744m
Remarks	*1 Dam made from built-up rocks and ballast, with an impermeable earth wall inside to block water.	*2 Dam that bears hydraulic pressure via the weight of concrete.

(7) About the Power Station

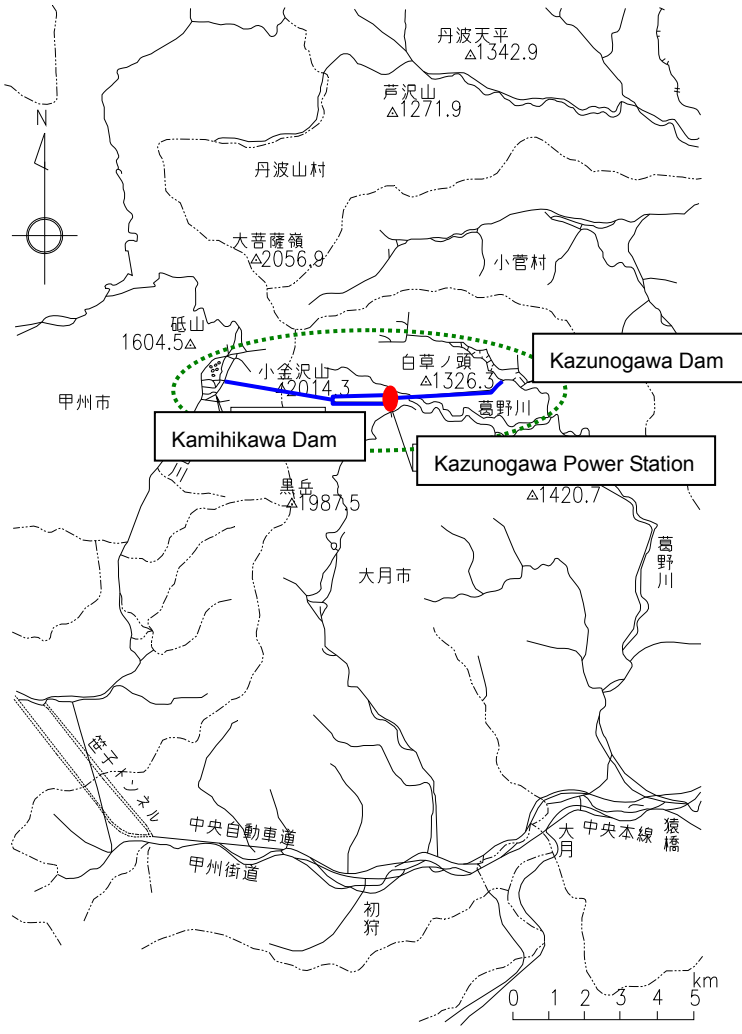
- Type: Underground power station
- Main equipment:
Pump turbine : Vertical Shaft Francis Pump Turbine (412 MW × 4 units)
Generator motor : Three-phase AC synchronous generator motor (475 MVA × 4 units)

2. List of TEPCO's pumped-storage hydroelectric power stations (as of June 9, 2014)

Name of Station	Output [10MW]	Location	Operation start [year]	Type of Water Pumping
Yagisawa	24	Gunma Prefecture	1965	multiple-use
Azumi	62.3	Nagano Prefecture	1969	multiple-use
Midono	24.5	Nagano Prefecture	1969	multiple-use
Shintakasegawa	128	Nagano Prefecture	1979	multiple-use
Tanbara	120	Gunma Prefecture	1982	recirculating
Imaichi	105	Tochigi Prefecture	1988	recirculating
Shiobara	90	Tochigi Prefecture	1994	recirculating
Kazunogawa	120 (160)	Yamanashi Prefecture	1999	recirculating
Kannagawa	94 (282)	Gunma Prefecture / Nagano Prefecture	2005	recirculating
Total	767.8 (995.8)			

Values in parentheses are at time of their completion.

3. Location of Kazunogawa Hydroelectric Power Station



4. Views of Kazunogawa Hydroelectric Power Station Dams

<Upper dam (Kamihikawa dam)>



<Lower dam (Kazunogawa dam)>



5. Full View of Kazunogawa Hydroelectric Power Station Assembly Floor



※Foreground: Unit 4 (started operation today)

Ends