

March 12, 2020
PRESS RELEASE

Tokyo Metropolitan Government
Bureau of Environment

**TMG Certifies Seven “Top-Level Facilities”
for Outstanding Global Warming Countermeasure Efforts
Under the Tokyo Cap-and-Trade Program**

In FY 2010, the Tokyo Metropolitan Government (TMG) started the world’s first urban Cap-and-Trade Program for large facilities. Under this program, TMG annually certifies “Top-Level” and “Near-Top-Level” facilities that have demonstrated excellence in efforts to counter global warming. TMG certified five “Top-Level” facilities and two “Near-Top-Level” facilities in FY 2019.

Number of Top-Level Facilities Certified in FY 2019

Certified Level	Category I	Category II	Total
Top-Level	4	1	5
Near-Top-Level	2	0	2
Total	6	1	7

Category I: office buildings, commercial facilities, research facilities, medical facilities, district heating and cooling plants, etc.

Category II: factories, waterworks facilities, etc.



Certified Facilities in FY 2019

Category	Level	Facility (Owner)	Type	Features Assessed
I	Top-Level	JR SHINJUKU MIRAINA TOWER (East Japan Railway Company) Shibuya-ku	Commercial facility	<ul style="list-style-type: none"> * Insulation of heat exchanger, steam valve, flange * Installation of water supply pressure control for secondary pump of air conditioner * Installation of large temperature difference air conditioning system
		Shinagawa Season Terrace (NTT Urban Development, Taisei Corporation Hulic Co., Ltd Hulic Reit, Inc. Tokyo City Development Co., Ltd Tokyo Metropolitan Government Bureau of Sewerage) Minato-ku	Commercial facility	<ul style="list-style-type: none"> * Capturing natural light by installation of "Sky Void" and solar lighting system * Installation of night purge control system * Utilization of sewage heat for air conditioning heat source at Shibaura Water Reclamation Center
		SUMITOMO MITSUI BANKING CORPORATION EAST TOWER (SUMITOMO MITSUI BANKING CORPORATION) Chiyoda-ku	Office building	<ul style="list-style-type: none"> * Improvement of building crust performance by air flow window and double skin * Installation of integrated heat source control system * Installation of LEDs, daylight utilization system and motion sensors
		Sumitomo Mitsui Banking Head Office Building (Mitsui Fudosan Co., Ltd.) Chiyoda-ku	Commercial facility	<ul style="list-style-type: none"> * Installation of lighting control system using motion sensors * Capturing natural light using light ducts * Enhancement of cooperative framework with tenants such as information sharing
	Near-Top-Level	Daiichi Sankyo Co., Ltd. Shinagawa R & D Center (Daiichi Sankyo Co., Ltd.) Shinagawa-ku	Research Facility	<ul style="list-style-type: none"> * Installation of ice thermal storage equipment and cogeneration equipment * Lighting control using daylight * Installation of high-performance building skin
		Muromachi Higashi Mitsui Building / Muromachi Furukawa Mitsui Building / Muromachi Chibagin Mitsui Building (Mitsui Fudosan Co., Ltd.) Chuo-ku	Commercial facility	<ul style="list-style-type: none"> * Adoption of high-performance heat-ray reflecting glass plate * Installation of integrated heat source control system * Installation of lighting control such as daylight utilization system and motion sensor control
II	Top-Level	Tokyo Metropolitan Waterworks Bureau Hino Booster Pump Station (Tokyo Metropolitan Government Bureau of Waterworks) Hino city	Waterworks Facility	<ul style="list-style-type: none"> * Installation of high-efficiency motors * Invert the waterworks pump * Introduction of a system to control the number of operating pumps

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Reference

Top-Level Facility Certification under the Tokyo Cap-and-Trade Program

Outline of the Top-Level Facility Certification

In the Tokyo Cap-and-Trade Program, facilities demonstrating outstanding performance in emissions reduction as well as in the introduction, use and management of energy efficient equipment are certified as Top-Level Facilities that receive lower compliance factors according to their rate of progress.

The certification standards for Top-Level facilities represent the highest-level energy efficiency measures feasible at present, stipulating 213 different energy saving measures for office buildings, for example.

■ Compliance Factor applied for Top-Level Facilities

Category		Compliance Factor (Regular)	Top-Level-Facility (Reduced to 1/2)	Near-Top- Level Facility (Reduced to 3/4)
I -1	Office Buildings, other facilities and DHC plants (except facilities falling under category I-2)	17 %	8.5%	12.75%
I -2	Facilities belonging to category I-1, which use large amounts of DHC	15%	7.5%	11.25%
II	Facilities other than category I-1 or I-2 (Factories and others)	15%	7.5%	11.25%

Assessment Items for Top-Level Facility Certification

○ **General management items:** Establishment of cooperative structures for energy conservation, energy management status, etc.

○ **Items concerning energy performance** (building shells and equipment): Energy efficiency of air conditioning, lighting and other facilities, equipment efficiency (COP), etc.

○ **Items concerning operation of facilities:** Indoor temperature and humidity management, air conditioning and lighting, facility maintenance and management, etc.

Assessment Items	Office Buildings			Factories		
	Required	General	Additional	Required	General	Additional
I General Management Items	17	4	2	17	4	2
II Energy Performance (Building shells and equipment)	25	39	51	14	51	133
III Operation of facilities	14	53	8	32	49	50
Subtotal	56	96	61	63	104	185
Total (Required +General)	213 (152)			352 (167)		

In order to acquire the certificate, the facility needs to have over 200 items checked in relation to the energy performance, operation, and the management of the facilities and building, and achieve a score of 70 or better for Near-Top-Level, or 80 or better for Top-Level.

Status of the Top-Level Facility Certification

In the second compliance period, 69 facilities have been certified as Top-Level. An increasing number of facilities use the standard as a reference for energy efficiency in design and renovation processes.

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Top-Level Facilities	15	9	5	1	5	35
Near-Top-Level Facilities	19	11	5	1	2	38
Total	34	20	10	2	7	73

Examples of energy saving efforts at Top-Level-Facilities

