Correction to: Discussion on woody biomass energy systems and natural ecosystem impacts: case study in Japan

Tomohiro Tabata¹ · Junnan Zhou¹ · Jinku Hoshikawa¹

Published online: 28 September 2020

© Springer-Verlag GmbH Germany, part of Springer Nature 2020

Correction to: *Clean Technologies and Environmental Policy*
<https://doi.org/10.1007/s10098-020-01904-0>

The correct table was provided in this correction.

In the original published article, the unit of instalment expenses was incorrect in Table 4.

The original article can be found online at <https://doi.org/10.1007/s10098-020-01904-0>.

✉ Tomohiro Tabata
tabata@people.kobe-u.ac.jp

¹ Kobe University, 3-11 Tsurukabuto, Nada-ku,
Kobe 657-8501, Japan

Table 4 List of woody biomass heat utilisation facilities in Japan

Heat/cogeneration	Prefecture	External supply of heat	Fuel	Maximum output (kW)	Fuel usage (t/year)	Instalment expenses (Million JPY)
Heat	Aomori	Hot bath facility	Firewood	581	—	73.2
Heat	Aomori	Hot bath facility	Firewood	351	150	44.0
Heat	Chiba	Agricultural facility	Firewood	—	—	—
Heat	Ehime	Hot bath facility	Firewood	225	134	—
Heat	Fukui	Hot bath facility	Wood chip	200	—	64.0
Heat	Fukui	Hot bath facility	Wood chip	120	—	87.6
Heat	Fukui	Hot bath facility	Wood chip	300	—	136.3
Heat	Fukuoka	Hot bath facility	Wood chip	200	559	52.1
Heat	Fukuoka	Hot bath facility	Wood chip	550	805	69.5
Heat	Fukuoka	Hot bath facility	Wood chip	550	893	54.0
Heat	Fukushima	Elementary school	Wood chip	300	50	58.1
Heat	Fukushima	Agricultural facility	Wood pellet	116	50	166.3
Heat	Fukushima	Day care	Wood pellet	232	83	201.8
Heat	Fukushima	City hall	Wood pellet	240	80	—
Heat	Fukushima	Hot bath facility	Wood chip	200	—	55.0
Heat	Gunma	Hot bath facility	Wood pellet	200	—	—
Heat	Hiroshima	Hot bath facility	Firewood	170	250	53.7
Heat	Hokkaido	Hot bath facility	Wood chip	180	340	72.5
Heat	Hokkaido	Day care	Wood chip	100	40	55.0
Heat	Hokkaido	Agricultural facility	Wood chip	581	260	67.5
Heat	Hokkaido	District heating	Wood chip	1200	620	242.6
Heat	Hokkaido	Dwellings	Wood pellet	15	2	10.2
Heat	Hokkaido	Elderly facility	Wood chip	450	690	152.3
Heat	Hokkaido	Dwellings	Wood pellet	80	15	17.9
Heat	Hokkaido	District heating	Wood chip	1100	910	287.8
Heat	Hokkaido	Elementary school and district heating	Wood chip	700	500	276.0
Heat	Hokkaido	Junior high school	Wood chip	240	180	240.9
Heat	Hokkaido	City hall	Wood chip	360	225	296.4
Heat	Hokkaido	City hall	Wood chip	550	—	—
Heat	Ishikawa	Hot bath facility	Wood chip	350	—	107.0
Heat	Iwate	Hot bath facility	Wood chip	500	673	500.0
Heat	Kagoshima	Hot bath facility	Firewood	581	—	14.0
Heat	Kochi	Hot bath facility	Firewood	150	—	12.6
Heat	Kochi	Agricultural facility	Wood pellet	—	—	—
Heat	Kumamoto	Public facility and hospital and dwellings	Firewood and wood pellet	—	—	—
Heat	Kumamoto	Dwellings	Firewood, wood pellet, etc.	—	—	—
Heat	Kyoto	District heating	Wood chip	500	—	250.5
Heat	Mie	Factories and agricultural facility	Wood chip	2100	25,091	1039.3
Heat	Nara	Hot bath facility	Firewood	150	—	45.2
Heat	Oita	Drying facility for wood	Wood bark	—	—	203.0
Heat	Okayama	Hot bath facility	Firewood	340	—	136.4
Heat	Okayama	Hot bath facility	Firewood	75	—	—
Heat	Okayama	Hot bath facility	Firewood	270	—	—
Heat	Okayama	Hot bath facility	Firewood	150	—	24.3

Table 4 (continued)

Heat/cogeneration	Prefecture	External supply of heat	Fuel	Maximum output (kW)	Fuel usage (t/year)	Instalment expenses (Million JPY)
Heat	Okayama	Hot bath facility	Wood chip	250	–	88.0
Heat	Shimane	Hot bath facility	Wood chip	100	–	45.5
Heat	Shimane	Hot bath facility	Wood chip	300	–	124.8
Heat	Shimane	Hot bath facility	Wood chip	360	–	151.0
Heat	Shimane	City hall	Wood chip	240	–	58.0
Heat	Tochigi	Factories and agricultural facility	Wood chip	4000	11,000	406.0
Heat	Tokushima	Hot bath facility	Firewood	225	107	31.2
Heat	Tokushima	Hot bath facility	Firewood	300	269	44.7
Heat	Tokushima	Hot bath facility	Firewood	300	–	47.8
Heat	Tokushima	Hot bath facility	Firewood	75	49	13.5
Heat	Tokushima	Hot bath facility	Firewood	225	176	32.0
Heat	Tottori	Hot pool	Firewood	340	–	58.4
Heat	Toyama	Hospital	Wood pellet	313	–	43.3
Heat	Toyama	Hot bath facility	Wood pellet	600	–	105.8
Heat	Toyama	Hot pool	Wood pellet	400	–	42.0
Heat	Toyama	Hot bath facility	Wood pellet	400	–	71.7
Heat	Toyama	Hot bath facility	Wood pellet	230	–	55.6
Heat	Toyama	Hot bath facility	Wood pellet	100	–	17.9
Heat	Toyama	Hot bath facility	Firewood	170	–	82.6
Heat	Toyama	Hot bath facility	Firewood	170	–	47.9
Heat	Toyama	Hot bath facility	Firewood	340	–	51.9
Heat	Toyama	Hot bath facility	Firewood	170	–	98.5
Heat	Wakayama	Hot bath facility	Firewood	–	9	4.1
Heat	Wakayama	Hot bath facility	Wood flour	233	36	–
Heat	Wakayama	Hot bath facility	Wood flour	465	90	–
Heat	Wakayama	Hot bath facility	Wood flour	349	42	–
Heat	Yamagata	Hot bath facility	Wood chip	400	380	–
Heat	Yamagata	Drying facility for wood	Wood chip	200	270	–
Heat	Yamagata	Day care	Firewood	75	–	–
Heat	Yamanashi	Golf course	Wood chip	250	–	450.1
Heat	Yamaguchi	District heating	Wood pellet	220	127	–
Cogeneration	Akita	Hot bath facility	Wood chip	40	500	50.0
Cogeneration	Gifu	Hot bath facility	Wood pellet	165 (electricity) 190 (heat)	850	206.5
Cogeneration	Gunma	Agricultural facility	Wood pellet	180 (electricity) 270 (heat)	–	–
Cogeneration	Miyagi	Drying facility for wood and hot bath facility	Wood chip	800	–	1854.0