



Coway Co., Ltd.

Introduction Korea Management Registrar was requested by Coway Co.,Ltd to verify its greenhouse gas emissions, energy usage and solar power generation amount for the year of 2018. The verification was conducted for the organization and operation boundary, and the results are as specified as below. This verification statement is valid from the day of publication.

- Scope**
- Organization and operation boundary:
 - √ Greenhouse gas emissions:
7 sites and emission facilities within Coway's operational control right
 - √ Energy usage:
7 sites and emission facilities within Coway's operational control right
 - √ Solar power generation amount:
4 sites and power generation facilities within Coway's operational control right
 - Verification period: 01/01/2018~ 31/12/2018
 - Types of Greenhouse Gases: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆
 - Verification scope: Scope 1 (direct emissions), Scope 2 (indirect emissions), Scope 3 (employee commuting)
 - Performed verification work:
 - √ Interviewing with the Yugu site manager responsible for data collection of greenhouse gas emissions
 - √ Reviewing the MRV system and process, the data gathering method for greenhouse gas emission, energy usage and solar power generation amount
 - √ Examination on raw data including information system, bills and payment statements related to verification scope
 - √ Due diligence on a part of emission factors in Yugu site
 - √ Comparative examination through on-desk review, risk analysis, observation and inspection, etc.
 - Level of assurance: Reasonable assurance

Standard & Guidance ISO 14064-1 Greenhouse gases -- Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals (2006), ISO 14064-3 Greenhouse gases -- Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions (2006), WRI/WBCSD GHG Protocol (2004), Verification guidelines for operation of greenhouse gas and energy target management scheme (Notification No. 2016-104, Korea Ministry of Environment),

Results

1. Greenhouse Gas Emissions

(Unit: ton CO₂-eq.)

Year	Object site	Emissions Category			Total Emissions (Scope1+2+3)
		Direct Emissions (Scope1)	Indirect Emissions (Scope2)	Employee Commuting (Scope3)	
2018	Total	676	5,349	71	6,096
2018	Ilbo bldg.	200.254	238.549	16.939	456
2018	Seoul Univ. Env- Tec. Lab.	17.940	1,871.540	-	1,889
2018	Cosmetic Lab.	-	125.504	-	126
2018	Logistics Center (Yugu)	-	291.618		292
2018	Yugu Fac.	434.002	2,005.468	26.604	2,466
2018	Incheon Fac.	10.164	641.551	11.561	663
2018	Pocheon Fac.	13.723	175.108	15.824	205

2. Energy Consumption

(unit: GJ)

Year	Object site	Scope1 (Consumed Fuel)		Scope2 (Consumed Electricity)	Scope3	Total Consumption
		Fixed Combustion	Moving Combustion	Indirect Emissions	Commuting Bus	
2018	Total	6,688	4,109	110,141	1,005	121,943
2018	Ilbo bldg.	-	2,965	4,912	240	8,117
2018	Seoul Univ. Env- Tec. Lab.	354	-	38,535	-	38,889
2018	Cosmetic Lab.	-	-	2,584	-	2,584
2018	Logistics Center (Yugu)	-	-	6,004	-	5,743
2018	Yugu Fac.	6,037	1,030	41,292	377	48,736
2018	Incheon Fac.	200	-	13,209	164	13,573
2018	Pocheon Fac.	97	114	3,605	224	4,040

3. Solar Power Generation amount

(unit: kWh)

Year	Object site	Solar Power Generation amount	Total Solar Power Generation amount
2018	Total	236,675	236,675
2018	Pocheon Fac.	54,792	54,792
2018	Yugu Fac.	58,811	58,811
2018	Incheon Fac.	53,721	53,721
2018	Logistics Center (Yugu)	69,351	69,351

Conclusions KMR verified the greenhouse gas emissions, energy usage and solar power generation amount for the year of 2018 of Coway Co.,Ltd as described above. Based on the procedures performed, no evidence was identified that the emissions information is not prepared in accordance with the monitoring requirements to meet the verification scope and standards.

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Korea Management Registrar
President Hwang Eun Ju



KMR is an ETS & TMS verification institution authorized by Republic of Korea Government.
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