



## 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 2019. 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: 01/01/2019~ 31/12/2019
  - Types of Greenhouse Gases: CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>
  - 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 CO<sub>2</sub>-eq.)

Year	Object site	Emissions Category			Total Emissions (Scope1+2+3)
		Direct Emissions (Scope1)	Indirect Emissions (Scope2)	Employee Commuting (Scope3)	
<b>2019</b>	<b>Total</b>	<b>640</b>	<b>5,224</b>	<b>70</b>	<b>5,935</b>
2019	Ilbo bldg.	212.815	214.244	16.939	444
2019	Seoul Univ. Env- Tec. Lab.	1.357	1,847.211		1,849
2019	Cosmetic Lab.	-	-	-	0
2019	Logistics Center (Yugu)	-	278.920		279
2019	Yugu Fac.	402.346	2,009.866	26.044	2,438
2019	Incheon Fac.	8.821	687.016	11.561	707
2019	Pocheon Fac.	14.841	186.893	15.824	218

**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	
<b>2019</b>	<b>Total</b>	<b>5,702</b>	<b>4,363</b>	<b>107,565</b>	<b>997</b>	<b>118,627</b>
2019	Ilbo bldg.	-	3,139	4,411	240	7,790
2019	Seoul Univ. Env- Tec. Lab.	27	-	38,034	-	38,061
2019	Cosmetic Lab.	-	-	-	-	0
2019	Logistics Center (Yugu)	-	-	5,743	-	5,743
2019	Yugu Fac.	5,378	1,118	41,383	369	48,248
2019	Incheon Fac.	174	-	14,146	164	14,484
2019	Pocheon Fac.	123	106	3,848	224	4,301

**3. Solar Power Generation amount**

(unit: kWh)

Year	Object site	Solar Power Generation amount	Total Solar Power Generation amount
<b>2019</b>	<b>Total</b>	<b>236,928</b>	<b>236,928</b>
2019	Pocheon Fac.	57,514	57,514
2019	Yugu Fac.	60,643	60,643
2019	Incheon Fac.	51,461	51,461
2019	Logistics Center (Yugu)	67,310	67,310

**Conclusions** KMR verified the greenhouse gas emissions, energy usage and solar power generation amount for the year of 2019 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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KMR is an ETS & TMS verification institution authorized by Republic of Korea Government.  
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