



Independent Verification Statement

Coway Co., Ltd.

Introduction	<p>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 2017. 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.</p>
Scope	<ul style="list-style-type: none">● Organization and operation boundary:<ul style="list-style-type: none">√ 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: 01/01/2017~ 31/12/2017● 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:<ul style="list-style-type: none">√ 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	<p>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</p>

management scheme (Notification No. 2016-104, Korea Ministry of Environment),
KMR GHG TM01 - GHG & energy verification manual and procedure,
IPCC Guidelines for National Greenhouse Gas Inventories (2006)

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)	
2017	Total	630	5,162	71	5,863
2017	Ilbo bldg.	198.240	287.272	16.939	502
2017	Seoul Univ. Env- Tec. Lab.	5.560	1,702.103	-	1,708
2017	Cosmetic Lab.	-	203.056	-	203
2017	Logistics Center (Yugu)	-	287.199	-	287
2017	Yugu Fac.	375.848	1,775.118	26.832	2,178
2017	Incheon Fac.	10.836	586.938	11.561	609
2017	Pocheon Fac.	39.740	319.875	15.824	375

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	
2017	Total	6,050	3,957	106,275	1,008	117,290
2017	Ilbo bldg.	-	2,938	5,915	240	9,093
2017	Seoul Univ. Env-Tec. Lab.	110	-	35,046	-	35,156
2017	Cosmetic Lab.	-	-	4,181	-	4,181
2017	Logistics Center (Yugu)	-	-	5,913	-	5,913
2017	Yugu Fac.	5,407	743	36,549	380	43,079
2017	Incheon Fac.	214	-	12,085	164	12,463
2017	Pocheon Fac.	319	276	6,586	224	7,405

3. Solar Power Generation amount

(unit: kWh)

Year	Object site	Solar Power Generation amount	Total Solar Power Generation amount
2017	Total	206,478	206,478
2017	Pocheon Fac.	56,244	56,244
2017	Yugu Fac.	58,588	58,588
2017	Incheon Fac.	55,329	55,329
2017	Logistics Center (Yugu)	36,317	36,317

Conclusions KMR verified the greenhouse gas emissions, energy usage and solar power generation amount for the year of 2017 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.

E. J Hwang

June 5, 2020
Korea Management Registrar
President Hwang Eun Ju



KMR is an ETS & TMS verification institution authorized by Republic of Korea Government.
Dep.: Management Evaluation Division | T 82 2 6309 9041 | M sun8055@ikmr.co.kr | www.ikmr.co.kr