

GHG Reduction Verification Opinion

NAVER Corporation

95, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

1. Verification Scope

Korean Standard Association(KSA) has conducted verification for Greenhouse gas(GHG) reduction(hereinafter referred to as 'verification') based on supporting data and other documents related to the 'GHG Reduction Project' requested by NAVER Corporation.

- Reduction Period : January 1, 2023 - December 31, 2023
- Guidelines on the operation of the target management of greenhouse gases in the public sector(No. 2022-58, Ministry of Environment) [Attachment 7] Methodology for calculating greenhouse gas reduction for external reduction projects
- Guidelines for reporting and certification of emissions from the GHG Emissions Trading System(No. 2023-221, Ministry of Environment)
- Evidence data : Performance report for NAVER Corp. reduction(including evidence data) and other documents

No.	Project Name	Applied Methodology
1	1784 Geothermal System GHG Reduction Project * NAVER 1784 Building Energy Saving Technology by Installing a New Geothermal System	[Attachment 7] 002. Geothermal heat supply
2	1784 Solar Power GHG Reduction Project * Energy saving technology of Naver 1784 office building by installing solar power facilities	[Attachment 7] 001. Renewable energy generation (solar)
3	1784 GHG Reduction Project under the Electricity Transaction Contract between Third Parties * Reducing greenhouse gases at 'Naver 1784' sites through the use of renewable energy electricity generated by solar power plants (1.49564 MW) and hydroelectric power plants (2.3MW)	Guidelines 'Article 18. Excluding calculation of emissions'
4	Green Factory Geothermal System GHG Reduction Project * A technology to save energy in the Green Factory building by installing a new geothermal system	[Attachment 7] 002. Geothermal heat supply
5	CONNECT ONE Solar Power GHG Reduction Project * Technology to reduce greenhouse gases by producing renewable energy through installation of photovoltaic power generation facilities	[Attachment 7] 001. Renewable energy generation (solar)
6	DATA CENTER GAK Chuncheon Solar Power GHG Reduction Project * Technology to reduce greenhouse gases by producing renewable energy through installation of photovoltaic power generation facilities	[Attachment 7] 001. Renewable energy generation (solar)
7	DATA CENTER GAK Chuncheon High Efficiency Lighting Equipment GHG Reduction Project * Technology to reduce greenhouse gases by installing high-efficiency lighting equipment (LED lights)	[Attachment 7] 006. Replacing high-efficiency lighting equipment
8	DATA CENTER GAK Chuncheon High Efficiency Transformer Greenhouse Gas Reduction Project * Technology to reduce greenhouse gases by installing high-efficiency transformers (amorphous transformers)	[Attachment 7] 007. High efficiency facility replacement
9	DATA CENTER GAK Chuncheon Outdoor Cooling GHG Reduction Project * Technology to save energy by installing outside air cooling facilities (using natural energy)	[Attachment 7] 007. High efficiency facility replacement
10	DATA CENTER GAK Chuncheon Inverter GHG Reduction Project * Technology to reduce greenhouse gases by installing high-efficiency facilities (inverters)	[Attachment 7] 007. High efficiency facility replacement

2. Verification Standards and Guidelines

KSA performed verification based on risk assessment, data analysis and sampling by applying and referring to the following standards and guidelines.

- Guidelines on Public Sector Greenhouse Gas Target Management and Operation(No. 2022-58, Ministry of Environment)
- Verification Guidelines for the Operation of the Greenhouse Gas Emission Trading System(No. 2021-112, Ministry of Environment)

3. Level of assurance verification and Responsibility

KSA provides verification at limited level of assurance.

- On-site inspection : Visit to NAVER Corporation Green Factory, 1784, Data Center GAK, and Connect One
- Method of confirmation :
 - Interview with greenhouse gas reduction manager and field staff
 - Review of the management system and data used to calculate greenhouse gas reductions during the reporting period
 - Tracking review of internal documents and basic data

NAVER Corp. is responsible for calculating, preparing and fairly submitting the amount of GHG reduction, and KSA is limited to guaranteeing the amount of GHG reduction.

4. Verification Limit

KSA performed verification by sampling the related reports, information and data presented by Naver Corp. which has its own limit. Although the verification team gas tried to conduct faithful evaluation that meets the evaluation criteria, there are potential limits that error, omissions and false statements could be found.

5. Verification Conclusion

KSA confirmed the appropriateness of business boundaries, baseline scenarios, data and reduction calculations and confirmed that no significant errors, omissions or false facts were found.

● Appendix. Amount of GHG Reduction (Period : 2023/01/01 ~ 2023/12/31)

(Unit : tCO₂eq/yr)

No.	Project Name	GHG Redection
1	1784 Geothermal System GHG Reduction Project	1,748
2	1784 Solar Power GHG Reduction Project	79
3	1784 GHG Reduction Project under the Electricity Transaction Contract between Third Parties	1,107
4	Green Factory Geothermal System GHG Reduction Project	2
5	CONNECT ONE Solar Power GHG Reduction Project	25
6	DATA CENTER GAK Chuncheon Solar Power GHG Reduction Project	93
7	DATA CENTER GAK Chuncheon High Efficiency Lighting Equipment GHG Reduction Project	69
8	DATA CENTER GAK Chuncheon High Efficiency Transformer Greenhouse Gas Reduction Project	180
9	DATA CENTER GAK Chuncheon Outdoor Cooling GHG Reduction Project	6,642
10	DATA CENTER GAK Chuncheon Inverter GHG Reduction Project	3,784

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KOREAN STANDARDS ASSOCIATION