

GHG Reduction Verification Opinion

NAVER Corporation

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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, 2024 - December 31, 2024
 - Guidelines on the operation of the target management of greenhouse gases in the public sector(No. 2024-23, Ministry of Environment) [Attachment 7] Methodology for calculating greenhouse gas reduction for external reduction projects
 - Guidelines on Emissions Reporting and Certification of the Greenhouse Gas Emissions Trading System(No. 2025-64, 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 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. Solar • Wind energy supply
3	1784 GHG Reduction Project under the Electricity Transaction Contract between Third Parties * Reduction of greenhouse gas emissions at the NAVER 1784 site through the use of renewable electricity generated by a small-scale hydropower plant (2.3MW capacity).	Guidelines 'Article 18. Excluding calculation of emissions'
4	Green Factory Geothermal System GHG Reduction Project * Green Factory Building Energy Saving Technology by Installing a Geothermal System	[Attachment 7] 002. Geothermal heat supply
5	Green Factory Reduction Project under the Electricity Transaction Contract between Third parties * Reduction of greenhouse gas emissions at the NAVER Green Factory site through the use of renewable electricity generated by a solar power plant with a capacity of 1.49564 MW.	Guidelines 'Article 18. Excluding calculation of emissions'
6	Green Factory Solar Power GHG Reduction Project * Energy saving technology of Green Factory office building by installing solar power facilities	[Attachment 7] 001. Solar • Wind energy supply
7	CONNECT ONE Solar Power GHG Reduction Project * Energy saving technology of CONNECT ONE office building by installing solar power facilities	[Attachment 7] 001. Solar • Wind energy supply
8	DATA CENTER GAK Chuncheon High Efficiency Transformer GHG Reduction Project * Technology to reduce GHG by installing high-efficiency transformers (amorphous transformers)	[Attachment 7] 007. High efficiency facility supply
9	DATA CENTER GAK Chuncheon GHG Reduction Project of server room cooling system * A technology to reduce GHG by installing facilities and inverters that use outside air in cooling systems	[Attachment 7] 007. High efficiency facility supply
10	DATA CENTER GAK Chuncheon Solar Power GHG Reduction Project * Energy saving technology of DATA CENTER GAK Chuncheon building by installing solar power facilities	[Attachment 7] 001. Solar • Wind energy supply
11	DATA CENTER GAK Sejong Geothermal System GHG Reduction Project * DATA CENTER GAK Sejong Building Energy Saving Technology by Installing a Geothermal System	[Attachment 7] 002. Geothermal heat supply
12	DATA CENTER GAK Sejong Solar Power GHG Reduction Project * Energy saving technology of DATA CENTER GAK Sejong building by installing solar power facilities	[Attachment 7] 001. Solar • Wind energy supply
13	DATA CENTER GAK Sejong High Efficiency Transformer GHG Reduction Project * Technology to reduce GHG by installing high-efficiency transformers (amorphous transformers)	[Attachment 7] 007. High efficiency facility supply
14	DATA CENTER GAK Sejong Data Hall Cooling GHG Reduction Project * Energy and greenhouse gas reduction technology through the installation of a hybrid cooling system	[Attachment 7] 007. High efficiency facility supply

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. 2024-23, Ministry of Environment)
- Verification Guidelines for the Operation of the Greenhouse Gas Emission Trading System(No. 2024-169, 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 Chuncheon, Data Center GAK Sejong, 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 Corporation 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 Corporation 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 : 2024/01/01 ~ 2024/12/31)

(Unit : tCO₂eq/yr)

No.	Project Name	GHG Redection
1	1784 Geothermal System GHG Reduction Project	1,931
2	1784 Solar Power GHG Reduction Project	78
3	1784 GHG Reduction Project under the Electricity Transaction Contract between Third Parties	5,348
4	Green Factory Geothermal System GHG Reduction Project	2
5	Green Factory Reduction Project under the Electricity Transaction Contract between Third parties	927
6	Green Factory Solar Power GHG Reduction Project	0
7	CONNECT ONE Solar Power GHG Reduction Project	51
8	DATA CENTER GAK Chuncheon High Efficiency Transformer GHG Reduction Project	181
9	DATA CENTER GAK Chuncheon Data Hall Cooling GHG Reduction Project	11,161
10	DATA CENTER GAK Chuncheon Solar Power GHG Reduction Project	91
11	DATA CENTER GAK Sejong Geothermal System GHG Reduction Project	610
12	DATA CENTER GAK Sejong Solar Power GHG Reduction Project	106
13	DATA CENTER GAK Sejong High Efficiency Transformer GHG Reduction Project	51
14	DATA CENTER GAK Sejong Data Hall Cooling GHG Reduction Project	10,388

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KOREAN STANDARDS ASSOCIATION