

GHG Reduction Verification Opinion

NAVER Corporation

✔ Verification Scope

Korean Standards 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, 2022 - December 31, 2022
- Applied Methodology
 - * Guidelines on the operation of the target management of greenhouse gases in the public sector(Ministry of Environment No. 2022-58)
[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 (Notification of the Ministry of Environment: No. 2022-279)
- 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)	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. enewable 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

✔ 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 for reporting and certification of emissions from the GHG Emissions Trading System (Notification of the Ministry of Environment: No. 2022-279)
- ISO 14064-2, 3 : 2006
- 2006 IPCC Guidelines for National Greenhouse Gas Inventories

✔ Level of Assurance Verification and Responsibility

KSA provides verification at limited level of assurance. 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.

✔ 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 has tried to conduct a faithful evaluation that meets the evaluation criteria, there are potential limits that errors, omissions, and false statements could be found.

✔ Verification Conclusion

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

• Amount of GHG Reduction (Period : 2022/01/01 ~ 2022/12/31)

(Unit : tCO₂eq/yr)

No.	감축사업명	온실가스 감축량
1	1784 Geothermal System GHG Reduction Project	2,264
2	1784 Solar Power GHG Reduction Project	85
3	1784 GHG Reduction Project under the Electricity Transaction Contract between Third Parties	46
4	Green Factory Geothermal System GHG Reduction Project	2
5	CONNECT ONE Solar Power GHG Reduction Project	28
6	DATA CENTER GAK Chuncheon Solar Power GHG Reduction Project	95
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	8,697
10	DATA CENTER GAK Chuncheon Inverter GHG Reduction Project	5,948

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KOREAN STANDARDS ASSOCIATION