WHEN TRUST MATTERS





LG ELECTRONICS SUSTAINABLE FINANCE FRAMEWORK



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This statement is valid until the Framework provided in January 2024 remains unchanged.



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Disclaimer

Our assessment relies on the premise that the data and information provided by the client to us as part of our review procedures have been provided in good faith. Because of the selected nature (sampling) and other inherent limitation of both procedures and systems of internal control, there remains the unavoidable risk that errors or irregularities, possibly significant, may not have been detected. Limited depth of evidence gathering including inquiry and analytical procedures and limited sampling at lower levels in the organization were applied as per scope of work. DNV expressly disclaims any liability or co-responsibility for any decision a person or an entity may make based on this Statement.

Statement of Competence and Independence

DNV applies its own management standards and compliance policies for quality control, in accordance with ISO/IEC 17029:2019 - Conformity Assessment – General principles and requirement for validation and verification bodies, and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirement, professional standards, and applicable legal and regulatory requirement. We have complied with the DNV Code of Conduct¹ during the assessment and maintain independence where required by relevant ethical requirements. This engagement work was carried out by an independent team of sustainability assurance professionals. DNV was not involved in the Framework except for this Statement. DNV maintains complete impartiality toward stakeholders interviewed during the assessment process.

¹ DNV Code of Conduct is available from DNV website (www.dnv.com)



DNV'S INDEPENDENT ASSESSMENT

Scope and Objectives

LG Electronics Inc. ("LGE" or the "Company")² is a global manufacturing company that produces major products including household appliances, electronics, automotive components, and others. LGE's vision is to follow the "No.1 LG" way to ultimately become the market leader in business performance as well as management practices. The Company aims to be a trustworthy brand that provides best products and services to its customers, a greater workplace that talented individuals want to join as employees, a secure investment that yield sustained high returns for investors, and a leader that competitors are willing to learn from.

DNV Business Assurance Korea Ltd. ("DNV")³ has been commissioned by LGE to review the Framework and provide a Second Party Opinion on the Framework in relation to alignment with Green Bond Principles 2021 (GBP),⁴ Social Bond Principles 2023 ("SBP"),⁵ and Sustainability Bond Guidelines 2021 ("SBG")⁶ published by the International Capital Market Association ("ICMA") and Green Loan Principles 2023 (GLP)⁷, and Social Loan Principles 2023 (SLP)⁸ published by Loan Market Association ("LMA"), Loan Syndications and Trading Association ("LSTA") and Asia Pacific Loan Market Association ("APLMA").

No assurance is provided regarding the financial performance of instruments issued via the Framework, the value of any investments, or the long-term environmental benefits of the transaction. Our objective has been to provide an assessment that the Framework has met the criteria established on the basis set out below.

Responsibilities of LGE and DNV

LGE has provided the information and data used by DNV during the delivery of this review. Our statement represents an independent opinion and is intended to inform LGE and other interested stakeholders in the Framework as to whether the Framework is aligned with the GBP, SBP, SBG, GLP, and SLP (the "Principles"). In our work we have relied on the information and the facts presented to us by LGE. DNV is not responsible for any aspect of the nominated assets referred to in this opinion and cannot be held liable if estimates, findings, opinions, or conclusions are incorrect. Thus, DNV shall not be held liable if any of the information or data provided by LGE and used as a basis for this assessment were not correct or complete.

Basis of DNV's opinion

We have adapted our assessment methodology to create the LGE-specific Eligibility Assessment Protocol (henceforth referred to as "Protocol"). Our Protocol includes a set of suitable criteria that can be used to underpin DNV's opinion.

As per our Protocol, the criteria against which the Framework has been reviewed are grouped under the four core components:

1. Use of Proceeds

The Use of Proceeds criteria are guided by the requirement that an issuer of a bond/a loan must use the funds raised to finance eligible activities. The eligible activities should produce clear environmental benefits.

2. Process for Project Evaluation and Selection

² https://www.lg.com/global/

³ https://www.dnv.co.kr/

⁴ https://www.icmagroup.org/sustainable-finance/the-principles-guidelines-and-handbooks/green-bond-principles-gbp/

⁵ https://www.icmagroup.org/sustainable-finance/the-principles-guidelines-and-handbooks/social-bond-principles-sbp/

⁶ https://www.icmagroup.org/sustainable-finance/the-principles-guidelines-and-handbooks/sustainability-bond-guidelines-sbg/

⁷ https://www.lsta.org/content/green-loan-principles/

⁸ https://www.lsta.org/content/social-loan-principles-slp/



The Project Evaluation and Selection criteria are guided by the requirements that an issuer of a bond/a loan should outline the process it follows when determining eligibility of an investment using green bond/loan proceeds and outline any impact objectives it will consider.

3. Management of Proceeds

The Management of Proceeds criteria are guided by the requirements that a bond/a loan should be tracked within the organization, that separate portfolios should be created when necessary and that a declaration of how unallocated funds will be handled.

4. Reporting

The Reporting criteria are guided by the recommendation that at least annual reporting should be made of the use of proceeds and that quantitative and/or qualitative performance indicators should be used, where feasible.

Work Undertaken

Our work constituted a high-level review of the available information, based on the understanding that this information was provided to us by LGE in good faith. We have not performed an audit or other tests to check the veracity of the information provided to us. The work undertaken to form our opinion included:

- Creation of a Protocol, adapted to the purpose of the Framework, as described above and in Schedule 3 to this Assessment;
- Assessment of documentary evidence provided by LGE on the Framework and supplemented by a high-level desktop research. These checks refer to current assessment best practices and standards methodology;
- Review of published materials by LGE and its website;
- Discussions with LGE and review of relevant documentation and evidence related to the criteria of the Protocol; and
- Documentation of findings against each element of the criteria. Our opinion as detailed below is a summary of these findings.

Findings and DNV's Opinion

DNV's findings are listed below:

1. Use of Proceeds

LGE intends to issue Green, Social or Sustainability (GSS) bond, loans, and other debt-like instruments to finance or refinance eligible green assets as identified by the Principles.

The Framework defines the following Eligible Green and Social Project Categories:

Eligible Green Project Categories

- Circular Economy Adapted Products, Production Technologies and Processes
- Eco-Certified Products
- Energy Efficiency
- Renewable Energy
- Green Buildings
- Clean Transportation
- Sustainable Water and Wastewater Management
- Pollution Prevention and Control

Eligible Social Project Categories

Socioeconomic Advancement and Empowerment



- Access to Essential Services Education
- Employment Generation

DNV undertook an analysis of the associated project type to determine the eligibility as "Green" and "Social" in line with the Principles. LGE has provided tables mapping its Eligible Green and Social Categories with the United Nations Sustainable Development Goals ("UN SDGs"). The outlined types of projects within each category and associated selection criteria are provided in the Framework in order to determine eligibility, followed by the exclusion criteria additionally included by LGE. Furthermore, a look-back period of no longer than three years (36 months) for OPEX has been set.

DNV concludes that the eligible categories outlined in the Framework are consistent with the categories outlined in the Principles.

2. Process for Project Evaluation and Selection

The Framework states that LGE will have a Sustainable Financing Working Group ("SFWG"), which is responsible for the management of this Framework and the compliance of all finance instruments issued under the Framework. SFWG also ensures the projects are selected in an appropriate manner especially by making the projects to be aligned with the Framework.

<u>DNV</u> concludes that the project evaluation and selection process described in the Framework is appropriate and aligned with market practice.

3. Management of Proceeds

The Framework shows how LGE plans to track the allocation of the proceeds in an appropriate manner. LGE will track the allocation of proceeds to eligible projects within its internal management system (Register). The Framework also clearly states that any proceeds pending allocation may be invested in cash or cash equivalents or deposits, subject to exclusions criteria.

DNV can confirm that the proceeds arising from the future issuances will be appropriately managed.

4. Reporting

LGE will publish a post-issuance report annually, or more frequently in case of material developments. LGE also strives to report environmental and social impact of the projects using relevant indicators as suggested in the ICMA Harmonized Framework for Impact Reporting.

DNV concludes that LGE's reporting is aligned with the relevant Principles.

On the basis of the information provided by LGE and the work undertaken, it is DNV's opinion that the LGE's Sustainable Finance Framework meets the criteria established in the Protocol and are aligned with the Principles. Please refer to Schedule 4. Sustainable Finance Framework External Review Form for detailed information.

for DNV Business Assurance Korea Ltd.

Seoul, Republic of Korea, 25 January 2024

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Schedule 1. Description of Categories to be financed or refinanced through LGE's Sustainable Finance Framework

Green Categories

Eligible Project Categories	Eligible Criteria and Description	DNV Findings
Circular Economy Adapted Products, Production Technologies and Processes	 Investments and expenditure related to the design, development and production of products, components, or systems that facilitates the adoption of a circular economy, such as: Utilization of recycled plastics in production of products Development and application of eco-friendly materials, printing, disposable plastic removal and paper buffers Recycling of resources such as e-waste, welding tips and waste urethane 	 Moving to a circular economy means moving away from linear production and consumption models, where things are used for a short time and thrown away after use, toward a more circular process. Circularity can include practices like reusing or recycling which are two important pillars of waste hierarchy and can extend the lifetime of products. With increasing importance of the circular economy, the European Commission adopted the new circular economy action plan (CEAP) in March 2020. It is one of the main building blocks of the European Green Deal, Europe's new agenda for sustainable growth. Republic of Korea also announced the ambitious initiative CE 9 (Circular Economy 9) in 2023 with an aim for promoting circular economy in key 9 fields such as chemical, steel, battery, electronics, and so on. Utilisation of recycled plastics in production of products: This expenditure may include recycling of plastics. DNV views recycling of plastics contributes to reducing upstream demand of raw materials as well as preventing from landfilling and incineration of the used plastics. thus having positive impact on environment and human health. DNV notes that LGE ensures eligible projects will only be those limited to those with GHG emissions (LCA) of recycling be lower than that of manufacturing plastics from raw materials. Development and application of eco-friendly materials, printing, disposable plastic removal and paper buffers: The expenditure includes use of recycled cushioning materials, eco-friendly printing, and removal of disposable plastics with increased use of paper buffers. As for eco-printing, it refers to eco-friendly soybean oil ink during the printing process and utilizing ink-free recycled packaging. Recycling of resources such as e-waste, welding tips and waste urethane: When the recycling is conducted, the Company ensures that the recycling emits less GHG (LCA) than manufacturing new materials. During the recycling process, IDN vlotes that th



Eligible Project Categories	Eligible Criteria and Description	DNV Findings
		DNV considers that LGE's projects bring about positive environmental outcome with proper internal safety and health protection measures placed.
Eco-Certified Products	Investments and expenditure related to the design, development and production of products, components, or systems that are expected to obtain recognized ecoperformance labels, such as:	DNV considers EPA energy star, EU Energy Label B or above, and KEA Energy Efficiency Label Level 2 or above can be proper benchmarks to be able to verify that the products are eco-efficient ones. DNV also views positive that in case there exist no applicable certification systems in some markets, LGE places 15% energy efficiency of benchmark compared against the average of current products produced in those markets.
	 EPA Energy Star EU Energy Label B or above KEA Energy Efficiency Label Level 2 or above 	
	Products that demonstrate at least 15% energy efficiency compared against the average of current products produced in a specific market	
Energy Efficiency	Investments and expenditure related to design, development, operation, and maintenance of projects and processes resulting in improvement in energy efficiency or emissions reduction, such as:	DNV views that stated projects (installation of LED, HVAC systems, energy storage systems, and so on) are conducive for efficient energy use. In particular, as for data center, DNV notes LGE places Power Usage Effectiveness of <1.5 as a benchmark. DNV considers it is in alignment with market practices.
	 Installation of LED, other low energy lighting and related electrical equipment HVAC systems and chillers energy efficiency upgrades Energy storage systems, building energy management systems and maintenance programs Data center ⁹ /computer server room energy efficiency upgrades Energy efficiency in production process 	

⁹ Data center/computer server room is considered energy efficient only if it achieves an annualized Power Usage Effectiveness of <1.5



Eligible Project Categories	Eligible Criteria and Description	DNV Findings
Renewable Energy	Investments and expenditure related to the construction, operation, and procurement of power generation projects from renewable energy sources ¹⁰ , such as: • On-site or off-site solar PV or CSP • Offshore and onshore wind • Bioenergy ¹¹ • Hydropower ¹² , wave and tidal power • Green hydrogen	 Expanded use of renewable energy is considered as one of crucial means to reaching Net Zero by 2050. In particular, considering the low use of renewable energy in Asia and the Pacific region, which accounts for more than half of global energy consumption but consumes 85% of its total energy consumption from fossil fuels,¹³ more efforts for increasing the uptake of renewable energy should be made in this region. Republic of Korea is known for one of the most challenging markets to buy renewable energy according to RE 100. Overall, RE100 members get just 2% of their electricity from renewables in Korea, compared to 32% in China, 26% in Singapore, 15% in Japan.¹⁴ Against this background, <u>DNV notes importance of use of renewable energy. Solar, wind, bioenergy, and hydropower, wave and tidal power are in alignment with the technical screening criteria at the section of energy generation in the EU Taxonomy.</u> Green hydrogen is also in alignment with the technical screening criteria at the section of manufacturing hydrogen in the EU Taxonomy, which regulates LCA GHG emissions lower than 3 tCO2e/tH2. It is DNV's viewpoint that the presented projects bring about positive environmental outcomes.
Green Buildings	 Investments and expenditure related to the construction, renovation, retrofitting of new and/or existing buildings/facilities that have received or are expected to receive a recognized local and/or international green building certification, such as: BEAM Plus – gold or above BREEAM – excellent or above EDGE – certified or above G-SEED – very good (green 2nd) or above 	DNV considers certification are presented appropriately for securing green eligibility of the buildings, which is also in alignment with market practices.

¹⁰ Renewable energy sources will be limited to technologies with life-cycle emissions intensity ≤ 100g CO₂e/kWh

¹¹ For bioenergy projects, biomass/gas/liquids will be derived from sources of high biodiversity, that competes with food sources or that depletes carbon pools is excluded

¹² Limited to sources of run-of-river plant without an artificial reservoir, sources with power density ≥ 5 W/m² or sources with life-cycle emissions intensity ≤ 100g CO₂e/kWh

¹³ https://www.irena.org/asiapacific

¹⁴ https://www.there100.org/our-work/press/south-korean-localised-policy-messages



Eligible Project Categories	Eligible Criteria and Description	DNV Findings
	 KEA Building Energy Efficiency Certification – 1++ or above LEED – gold or above 	
	Any other equivalent green building certifications are also considered eligible.	
Clean Transportation	 Investments and expenditure related to the production, procurement, maintenance, and operation of clean modes of transport, components, and related infrastructures, such as: Electric vehicles Hybrid and plug-in hybrid vehicles¹⁵ for passenger cars and light commercial vehicles Charging stations for electric vehicles 	Transport is the second largest contributor to global GHG emissions after electricity generation, responsible for 23% of all energy-related CO2 emissions globally and 14% of total GHG emissions. In particular, road transportation for passengers and freight remains the primary source of emissions in the sector, responsible for 73% of CO2 emissions from all transport. ¹⁶ In Korea, according to the statistics of the Ministry of Environment, the portion of road transportation in 2020 takes up 14.2% of total GHG emission. ¹⁷ Against this backdrop, the increased use of zero tailpipe emissions transportations such as electric vehicles is very important to reduce GHG emissions and the EU Taxonomy recognises zero tailpipe emissions transportation and supporting infrastructures (such as charging stations for electric vehicles) as the projects which can be financed by sustainable financing instruments.
		green eligibility. <u>DNV views that the stated projects lead to positive environment outcomes.</u>
Sustainable Water and Wastewater Management	Investments and expenditure related to development, operation, and maintenance of sustainable infrastructure for clean and/or drinking water, smart water solutions and wastewater management, such as:	DNV views that the presented projects in relation to sustainable infrastructure for clean and/or drinking water, smart water solutions and wastewater management will be conducive for sustainable water and wastewater management in alignment with the Principles.
	 Recycling of used water for alternative applications through zero discharge system 	

¹⁵ Limited to HEVs and PHEVs with direct emissions of \leq 50g CO₂e/p-km in passenger activity threshold before 2025, and vehicles with zero direct emissions after 2025

 $^{^{16}\} https://www.climatebonds.net/files/files/CBI\%20Transport\%20Criteria\%20document_Aug2022\%281\%29.pdf$

¹⁷ (only Korean available) https://www.2050cnc.go.kr/base/board/read?board/ManagementNo=43&boardNo=1046&menuLevel=2&menuNo=73



Eligible Project Categories	Eligible Criteria and Description	DNV Findings
	 Establishment of wastewater treatment facilities and recycling systems 	
Pollution Prevention and Control	Investments and expenditure contributing to the reduction of air emissions, greenhouse gas control, soil remediation, waste prevention, waste reduction, such as:	DNV views that the presented projects in relation to reduction of air emissions, greenhouse gas control, soil remediation, waste prevention and reduction will be conducive for leading to clear air guality in alignment with the Principles.
	 Development of monitoring systems for chemical leaks and air pollution prevention Investment and operation of facilities that reduce air emissions 	

Social Categories

Eligible Green Project Categories	Eligible Criteria and Description	DNV Findings
Socioeconomic Advancement and Empowerment	Investments and expenditure related to partnerships and projects that provides financial support to socially vulnerable groups, such as:	It is DNV's opinion that the presented projects contribute to socioeconomic advancement and empowerment in accordance with the SBP and SLP by supporting the SMEs under financial difficulties. DNV also considers that target beneficiaries are appropriately defined in accordance with the Korean government law.
	 Zero-Interest Direct Financing provides interest-free funds to suppliers facing financial difficulties Target Population: Small and Medium Enterprises¹⁸ 	
	 Win-Win Growth Fund provides loans to suppliers at low and/or preferential interest rates 	

¹⁸ SME refers to organizations defined by Enforcement Decree of the Framework Act on Small and Medium Enterprises



Second Party Opinion on LGE Sustainable Finance Framework

Eligible Green Project Categories	Eligible Criteria and Description	DNV Findings
	Target Population: Small and Medium Enterprises	
Access to Essential Services - Education	 Provision of essential services to socially vulnerable groups, such as: Global IT Challenge for Youth with Disabilities Target Population: Youth with disabilities LG-KOICA Hope Vocational Training School in Ethiopia and Cambodia Target Population: Youth and women 	DNV views the stated projects will provide the socially vulnerable beneficiaries (youth, youth with disabilities, and women) with beneficial education opportunities. As for the definition of youth, the Company communicated to DNV that it follows each country's definition.
Employment Generation	 Provision of employment opportunities to socially vulnerable groups, such as: Expansion and operation of "Hanuri"¹⁹ Target Population: Workers with disabilities 	LGE intends to support workers with disabilities by providing them with employment opportunities. DNV views that the related projects bring about socially beneficial outcome.

¹⁹ Hanuri is a business established by LGE to expand employment to workers with disabilities where workers manage cafes, environmental restoration, dishwashing, and dormitories, etc.



Schedule 2. Contributions to UN SDGs

Eligible Project Categories	UN SDGs	DNV Findings
Circular Economy Adapted Products, Production Technologies and Processes	SDG 11b By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels	DNV is of the opinion that eligible category outlined in the Framework contributes to the achievement of the UN SDGs.
Eco-Certified Products	SDG 7.a By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology	
Energy Efficiency	SDG 7.3 Increase global percentage of renewable energy	
	SDG 7.a By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology	
	SDG 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities	
Renewable Energy SDG 7.3 Increase global percentage of renewable energy		-
	SDG 7.a By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology	
	SDG 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities	
Green Buildings	SDG 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities	
	SDG 11c Support least developed countries, including through financial and technical assistance, in building sustainable and resilient buildings utilizing local materials	
Clean Transportation	SDG 11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons	



Sustainable Water and Wastewater Management	SDG 6.3 By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally	
Pollution Prevention and Control		
	SDG 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse	
Socioeconomic	SDG 5.1 End all forms of discrimination against all women and girls everywhere	
Advancement and Empowerment	SDG 8.5 By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value	
Access to Essential SDG 4.5 By 2030, eliminate gender disparities in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations		
Employment SDG 4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship		



Schedule 3. Eligibility Assessment Protocol

1. Use of Proceeds

Ref.	Criteria	Requirements	DNV Findings
1a	Type of bond / loan	 The Bond and Loan must fall in one of the following categories, as defined by the Green/Social Bond Principles: Green/Social Use of Proceeds Bond Green/Social Use of Proceeds Revenue Bond Green/Social Project Bond Green/Social Securitized Bond Loan instrument made available for 	LGE's Sustainable Finance Framework clearly describes that LGE intends to issue Green, Social or Sustainability ("GSS") bonds, loans, and other debt-like instruments and in doing so contribute to positive environmental and social impacts. From the Framework The Sustainable Finance Framework ("Framework") sets out the governance and processes under which LGE ²⁰ intends to issue Green, Social or Sustainability ("GSS") bonds, loans, and other debt-like instruments and in doing so contribute to positive environmental and social impacts.
1b	Sustainable Project Categories	Green and Social project (Green and Social use of loan proceeds) The cornerstones of Sustainability Bond and Loan are the utilization of the proceeds of the bond and the loan which should be appropriately described in the legal documentation for the security.	Eligible project categories presented by LGE are as follows: Green Categories Social Categories • Social Categories • Circular Economy Adapted Products, Production Technologies and Processes • Socioeconomic Advancement and Empowerment • Eco-Certified Products • Access to Essential Services – Education • Energy Efficiency • Employment Generation • Renewable Energy • Employment Generation • Clean Transportation • Sustainable Water and Wastewater Management

²⁰ Includes LGE and its subsidiaries.



Ref.	Criteria	Requirements	DNV Findings
			 Pollution Prevention and Control The Framework also strengthens eligibility criteria of projects by adding the exclusion list in the Framework.
			From the Framework
			 Production or trade of any product or activity deemed illegal under host country laws or regulations or international conventions and agreements, or subject to international bans Production or trade of any product or activity deemed unaligned with the UN Guiding Principles on Business and Human Rights, International Labor Organization Declaration on Fundamental Principles and Rights at Work, United Nations Universal Declaration of Human Rights, and Responsible Business Alliance Code of Conduct
1c	Environmental benefits	All designated Green Project categories should provide clear environmentally sustainable benefits, which, where feasible, will be quantified or assessed by the Issuer.	DNV considers that the presented projects will generate environmentally beneficial outcome and LGE also commits to reporting the effect by making use of quantitative indicators.
1c	Social Benefits	All designated Social Project categories should provide clear social benefits, which, where feasible, will be quantified or assessed by the Issuer.	DNV considers that the presented projects will generate socially beneficial outcome and LGE also commits to reporting the effect by making use of quantitative indicators.
1d	Refinancing Share	In the event that a proportion of the proceeds may be used for refinancing, it is recommended that issuers provide an estimate of the share of financing vs. re- financing, and where appropriate, also clarify which investments or project portfolios may be refinanced.	In the Framework, the LGE indicates that the net proceeds can be also used to refinance existing projects. Though the estimate share of refinancing is not disclosed in the Framework, it will be provided in the annual allocation reporting. A look-back period of 36 months will be applied for refinancing for operating expenditures. From the Framework The proceeds of each GSS debt instrument can be used for both the financing and/or refinancing of eligible projects. A look-back period of 36 months will apply for eligible operating expenditure for refinancing.



2. Process for Project Selection and Evaluation

Ref.	Criteria	Requirements	DNV Findings		
2a	Investment- decision process	 The Issuer of a Sustainability Bond and Loan should outline the decision-making process it follows to determine the eligibility of projects using Sustainability Bond and Loan proceeds. This includes, without limitation: A process to determine how the projects fit within the eligible Green and Social Projects categories identified in the Green/Social Bond Principles and Green/Social Loan Principles; The criteria making the projects eligible for using the Sustainability Bond and Loan proceeds; The environmental sustainability objectives, and the social objectives; and Complementary information on process by which the issuer identifies and manages perceived social and environmental risks associated with the relevant project 	The Framework states that LGE will have a Sustainable Financing Working Group ("SFWG"), which is responsible for the management of this Framework and the compliance of all finance instruments issued under the Framework. From the Framework The LG Electronics Sustainable Finance Working Group ("SFWG") is responsible for the management of this Framework and the compliance of all finance instruments issued under the Framework. The SFWG consists of senior representatives from the following departments: • Finance • ESG SFWG also ensures the projects are selected in an appropriate manner especially by making the projects aligned with the LGE Sustainable Finance Framework. From the Framework As part of the assessment process, the SFWG will consider: • The environmental and/or social assessments of the projects and any potential environmental and/or social risks • The alignment of the projects with LGE's Sustainable Finance Framework, sustainability strategy and policies including SDG priorities • The projects' compliance with relevant local, national, and/or international regulatory requirements and market standards		
2b	Issuer/borrow er's environmental and social and governance framework	In addition to information disclosed by an issuer on its Sustainability Bond/Loan process, criteria and assurances, Sustainability Bond and Loan investors may also take into consideration the quality of the issuer's overall framework and performance regarding environmental and social sustainability.	 Overall governance of ESG The ESG Council is convened every quarter to establish the direction of ESG management activities and mid-to long-term plan. Moreover, the progress of the detailed tasks and improvements, etc. is discussed and resolved. Especially, the ESG Council is participated in by decision makers from each functional organization throughout the Company including management strategy, management planning, energy, safety environment, legal affairs, HR, purchase, R&D, marketing, etc. to be equipped with executive ability. The necessary implementation plans are discussed to 		



Ref.	Criteria	Requirements	DNV Findings
			achieve the goals of strategic ESG tasks of the Company including use of renewable energy, response method to GHG (greenhouse gas) in the supply chain, establishment of diversity policy, governance improvement method, etc.
			Sustainability Strategy
			 LGE commits to reduce absolute scope 1 and 2 GHG emissions 54.6% by 2030 from a 2017 baseline. LGE also commits to reduce scope 3 GHG emissions from use of sold products 20% per functional unit by 2030 from a 2020 baseline under the Science Based Targets initiative (SBTi)'s 1.5-degree decarbonization scenario, making LGE the first company in the domestic home appliance industry to be SBTi validated.
			 LGE recognizes the right for all employees and stakeholders to pursue happiness with dignity and unique values as human beings and strives to provide a safe and happy working environment. LGE is a signatory of the UN Global Compact (UNGC) and Responsible Business Alliance (RBA) and has aligned its strategies and operations with the principles outlined in the UN Universal Declaration of Human Rights, the International Labor Organization (ILO), and Organization for Economic Cooperation and Development (OECD) Guidelines for Multinational Enterprises. These specific initiatives combined with the Company's wide array of other commitments toward the environment and society, contribute to the United Nations Sustainable Development Goals ("SDGs").
			How to mitigate potential environmental and/or social risks in conducting the projects
			 LGE's ESG Committee is the highest-level decision-making body for overall ESG issues, such as environment and energy/climate change, across all business units and sites. The committee is attended by the CEO and independent directors and manages LGE's large-scale investment decisions aimed at reducing climate change risks, approving new businesses related to climate change, and approving and managing the performance of LGE's mid- to long-term greenhouse gas reduction strategies, as well as expanding the use of renewable power. The climate change policies and strategies of each business unit and management organization are reflected in the overall company's direction, as determined by this committee.
			 The Asset level defines the risks and opportunities that need to be managed on a daily basis, based on the assessment of risks and opportunities, and manages the monthly implementation status in accordance with environmental, safety, and energy/greenhouse gas regulations at the operational level. This management is based on the International



Ref.	Criteria	Requirements	DNV Findings
			Organization for Standardization (ISO) 14001, 45001, and 50001 - respectively, Environmental Management Systems, Occupational Health and Safety Management Systems, and Energy Management System. The projects are carried out through daily, monthly, and annual plans using the Plan, Do, Check, and Act cycle of ISO requirements. In addition, each independent business unit manages the risks and opportunities that correspond to LGE's specific products and solutions and takes appropriate actions.

3. Management of Proceeds

Ref.	Criteria	Requirements	DNV Findings
3a	Tracking procedure	The net proceeds of Green Bond/Loan or Social Bond/Loan should be credited to a sub-account, moved to a sub- portfolio or otherwise tracked by the Issuer in an appropriate manner and attested to by a formal internal process that will be linked to the Issuer's lending and investment operations for Green/Social Projects.	 The Framework shows how LGE plans to track the allocation of the proceeds in an appropriate manner. LGE will track the allocation of proceeds to eligible projects within its internal management system ("Register"). From the Framework The proceeds from each GSS debt instrument issued will be managed by Finance and ESG teams, supplemented by other departments as required with oversight by the SFWG. LGE will track the allocation of proceeds to eligible projects within its internal management system ("Register") including the following information: Type of Funding Transaction: Key information includes issuer/borrower entity, transaction date, number of transactions, principal amount of proceeds, repayment or amortization profile, maturity date, interest or coupon, and the ISIN number in case of bond transaction Allocation of Use of Proceeds: Name and description of eligible projects to which the proceeds of the GSS instruments have been used in accordance with the Framework Allocation of the proceeds of the GSS instruments to eligible projects
			 Information of temporary investment for unallocated proceeds



Ref.	Criteria	Requirements	DNV Findings
3b	Tracking procedure	So long as the Green Bond/Loan or Social Bond/Loan is outstanding, the balance of the tracked proceeds should be periodically reduced by amounts matching eligible green or social investments or loan disbursements made during that period.	LGE has communicated with DNV that the proceeds will be allocated at any given time after the bond (or a loan) is issued, with the point-in-time progress to be reported in the annual report. LGE commits to fully allocate the proceeds within 2 years after the issuance. DNV considers that the proceeds are periodically reduced at least once a year when the annual report is published.
3c	Temporary holdings	Pending such investments or disbursements to eligible Green or Social Projects, the Issuer should make known to investors the intended types of temporary investment instruments for the balance of unallocated proceeds.	The Framework clearly states that any proceeds pending allocation may be invested in cash or cash equivalents or deposits, subject to exclusions criteria. From the Framework Pending allocation, net proceeds from the sale of the GSS instruments will be invested in cash, cash equivalents or deposits, subject to exclusions criteria. For each issuance under this Framework, LGE will review the Register once a year and expects to achieve full allocation within two years from the date of issuance.

4. Reporting

4a Periodical reporting In addition to reporting on the use of proceeds and the temporary investment of unallocated proceeds, issuers should LGE will publish a post-issuance report annually, or more frequently in cas From the Framework From the Framework From the Framework	
provide at least annually a list of projects to which Green Bond/Loan or Social Bond/Loan proceeds have been allocated including - when possible with regards to confidentiality and/or competitive considerations -a brief description of the projects and the amounts disbursed, as well as the expected environmentally and social sustainable impact.LGE will publish a post-issuance report annually, or more freque developments. The reporting will provide the following information:2.4.1.Allocation Reporting, to be disclosed until full allocation, will in 	quently in case of material I include: ndicating the SDG(s) of which



Ref.	Criteria	Requirements	DNV Findings			
			Where possible and subject to data availability and confidentiality, LGE strives to report environmenta and social impact of the projects using relevant indicators as suggested in the ICMA Harmonized Framework for Impact Reporting.			
			Categories	Example of Impact Indicators		
			Circular Economy Adapted Products,	 Amount and type of circular economy adapted products produced (tons) 		
			Production Technologies and Processes	• The % increase in materials, components and products that are reusable, recyclable, and/or certified compostable as a result of the project and/or in absolute amount in tonnes p.a.		
			Eco-Certified Products	Number of products/or the share of production recognized as eco-label or certified		
			Energy Efficiency	Annual energy conserved (MWh or GJ)		
				 Annual GHG emissions reduced/avoided (metric tonnes of CO2 equivalent) 		
			Renewable Energy	Annual renewable energy generation (MWh or GJ)		
				 Annual GHG emissions reduced/avoided (metric tonnes of CO₂ equivalent) 		
				Installed renewable energy capacity (MW)		
			Green Buildings	 Number of green buildings constructed/renovated, and the type of green building certification obtained 		
				Area of green buildings built (square feet or square metres)		
				 Annual GHG emissions reduced/avoided (metric tonnes of CO₂ equivalent) 		
			Clean	Number and type of clean transportation assets acquired		
			Transportation	 Annual GHG emissions reduced/avoided (metric tonnes of CO₂ equivalent) 		
			Sustainable Water	Reduction in water losses in water transfer and/or distribution		
			and Wastewater Management	Reduction in water consumption of economic activities		



Second Party Opinion on LGE Sustainable Finance Framework

Ref.	Criteria	Requirements		DNV Findings
			Pollution Prevention and Control	 GHG emissions from waste management before and after the project in tCO2–e p.a.
			Socioeconomic • Advancement and	 Number of people benefiting from socioeconomic advancement and empowerment
		Empowerment •	Amount dedicated to funding socioeconomic projects	
		Access to Essential Services - Education	Number of people with access to essential educational services	
			Amount dedicated to funding essential educational services	
		Employment	Number of beneficiaries from generation of employment	
		Generation	Amount dedicated to funding employment generation	



Schedule 4. Sustainable Finance Framework External Review Form

Section 1. **Basic Information**

Issuer name: LG Electronics

Green Bond ISIN or Issuer Sustainable Finance Framework Name, if applicable: LGE Sustainable Finance Framework 2024

Independent External Review provider's name: DNV Business Assurance Korea Ltd.

Completion date of this form: 29 January 2024

Publication date of review publication: 29 January 2024

Section 2. **Overview**

SCOPE OF REVIEW

The review:

- \mathbf{X} assessed the 4 core components of the Principles (complete review) and confirmed the alignment with the Principles.
- assessed only some of them (partial review) and confirmed the alignment with the Principles; please indicate which ones:
 - Process for Project Evaluation and Selection Use of Proceeds
 - Management of Proceeds П

- Reporting
- \mathbf{X} assessed the alignment with other regulations or standards (CBI, EU GBS, ASEAN Green Bond Standard, ISO 14030, etc.); please indicate which ones: DNV referred to the EU Taxonomy and CBI for assessing green eligibility of the projects.

ROLE(S) OF INDEPENDENT REVIEW PROVIDER

\times	Second Party Opinion	Certification
	Verification	Scoring/Rating
	Other (please specify):	
Does tl	he review include a sustainability quality score ²¹ ?	
	Of the issuer	Of the project
	Of the framework	Other (please specify):
\boxtimes	No scoring	

ASSESSMENT OF THE PROJECT(S)

Does the review include:

Image The environmental and/or social features of the type of project(s) intended for the Use of Proceeds?

²¹ The external review may indicate the provider's opinion of the overall sustainability quality of a bond or bond framework and assess whether it has a meaningful impact on advancing contribution to long-term sustainable development.





The environmental and/or social benefits and impact targeted by the eligible Green and/or Social Project(s) financed by the Green, Social or Sustainability Bond/Loan?

☑ The potentially material environmental and/or social risks associated with the project(s) (where relevant)?

ISSUER'S OVERARCHING OBJECTIVES

Does the review include:

An assessment of the issuer's overarching sustainability objectives and strategy, and the policies and/or processes towards their delivery?

An identification and assessment of environmental, social and governance related risks of adverse impact through the Issuer's [actions] and explanations on how they are managed and mitigated by the issuer?

A reference to the issuer's relevant regulations, standards, or frameworks for sustainability-related disclosure and reporting?

CLIMATE TRANSITION STRATEGY²²

Does the review assess:

In the issuer's climate transition strategy & governance?

□ The alignment of both the long-term and short/medium-term targets with the relevant regional, sector, or international climate scenario?

□ The credibility of the issuer's climate transition strategy to reach its targets?

□ The level/type of independent governance and oversight of the issuer's climate transition strategy (e.g. by independent members of the board, dedicated board sub-committees with relevant expertise, or via the submission of an issuer's climate transition strategy to shareholders' approval).

□ If appropriate, the materiality of the planned transition trajectory in the context of the issuers overall business (including the relevant historical datapoints)?

□ The alignment of the issuer's proposed strategy and targets with appropriate science-based targets and transition pathways ²³ that are deemed necessary to limit climate change to targeted levels?

☑ The comprehensiveness of the issuer's disclosure to help investors assess its performance holistically²⁴?

Overall comment on this section:

DNV has reviewed LGE's Sustainability Reporting 2022-2023 to review the Company's overarching climate transition, which include relevant corporate governance, strategy, goals and indicators, and risks and opportunities analysis.

Section 3. Detailed Review

Reviewers are encouraged to provide the information below to the extent possible and use the comment section to explain the scope of their review.

1. USE OF PROCEEDS

Does the review assess:

☑ the environmental/social benefits of the project(s)?

²² Where issuers wish to finance projects towards implementing a net zero emissions strategy aligned with the goals of the Paris Agreement, guidance on issuer level disclosures and climate transition strategies may be sought from the <u>Climate Transition Finance Handbook</u>.
²³ GHG emissions reduction targets that are in line with the scale of reductions required to keep the average global temperature increase to ideally 1.5°C, or at the very

²³ GHG emissions reduction targets that are in line with the scale of reductions required to keep the average global temperature increase to ideally 1.5°C, or at the very least to well below 2°C above pre-industrial temperatures. Science Based Targets Initiative (SBTi) is a branded verification body for science-based targets and SBTi verification is one way for issuers to validate the alignment of their emission reduction trajectories with science-based reference trajectories. In addition, ICMA has published a <u>Methodologies Registry</u> which includes a list of tools to specifically help issuers, investors, or financial intermediaries validate their emission reduction trajectories...

²⁴ Including information such as the respective contribution (e.g.%) of the different measures to the overall reduction, the total expenses associated with the plan, or the issuer's climate policy engagement.



☑ whether those benefits are quantifiable and meaningful?

If or social projects, whether the target population is properly identified?

Does the review assess if the issuer provides clear information on:

□ the estimated proceeds allocation per project category (in case of multiple projects)?

□ the estimated share of financing vs. re-financing (and the related lookback period)?

Overall comment on this section:

DNV undertook an analysis of the associated project type to determine the eligibility as "Green" and "Social" in line with the Principles. LGE has provided tables mapping its Eligible Green and Social Categories with the United Nations Sustainable Development Goals ("UN SDGs"). The outlined types of projects within each category and associated selection criteria are provided in the Framework in order to determine eligibility, followed by the exclusion criteria additionally included by LGE. Furthermore, a look-back period of no longer than three years (36 months) for OPEX has been set.

LGE will include in its annual reporting the total amount of proceeds allocated to each project category, balance of unallocated proceeds, and share of new financing and refinancing.

2. PROCESS FOR PROJECT EVALUATION AND SELECTION

Does the review assess:

☑ whether the eligibility of the project(s) is aligned with official or market-based taxonomies or recognised international standards? Please specify which ones.²⁵ EU Taxonomy and CBI Taxonomy

☑ whether the eligible projects are aligned with the overall sustainability strategy of the issuer and/or if the eligible projects are aligned with material ESG-related objectives in the issuer's industry?

☑ the process and governance to set the eligibility criteria including, if applicable, exclusion criteria?

⊠ the processes by which the issuer identifies and manages perceived social and environmental risks associated with the relevant project(s)?

⊠ any process in place to identify mitigants to known material risks of negative social and/or environmental impacts from the relevant project(s)?

Overall comment on this section:

The Framework states that LGE will have a Sustainable Financing Working Group ("SFWG"), which is responsible for the management of this Framework and the compliance of all finance instruments issued under the Framework. SFWG also ensures the projects are selected in an appropriate manner especially by making the projects aligned with the Framework.

3. MANAGEMENT OF PROCEEDS

Does the review assess:

It he issuer's policy for segregating or tracking the proceeds in an appropriate manner?

It the intended types of temporary investment instruments for unallocated proceeds?

Whether an external auditor will verify the internal tracking of the proceeds and the allocation of the funds?

Overall comment on this section:

The Framework shows how LGE plans to track the allocation of the proceeds in an appropriate manner. LGE will track the allocation of proceeds to eligible projects within its internal management system ("Register"). The Framework also clearly states that any proceeds pending allocation may be invested in cash or cash equivalents or deposits, subject to exclusions criteria.

²⁵ The EU Taxonomy, CBI Taxonomy, UK Taxonomy, China catalogue, etc.



4. REPORTING

Does the review assess:

☑ the expected type of allocation and impact reporting (bond-by-bond or on a portfolio basis)?

☑ the frequency and the means of disclosure?

☑ the disclosure of the methodology of the expected or achieved impact of the financed project(s)?

Overall comment on this section:

LGE will publish a post-issuance report annually, or more frequently in case of material developments. LGE also strives to report environmental and social impact of the projects using relevant indicators as suggested in the ICMA Harmonized Framework for Impact Reporting.

Section 4. Additional Information

Useful links (e.g., to the external review provider's methodology or credentials, to the full review, to issuer's documentation, etc.)

LGE website: https://www.lg.com/global/

LGE Sustainability Report 2022-2023: https://www.lg.com/content/dam/lge/global/sustainability/pdf/2022-2023_LGE_SR_FACT_BOOK(EN).pdf

Analysis of the contribution of the project(s) to the UN Sustainable Development Goals:

Please see the Schedule 2.

Additional assessment in relation to the issuer/bond framework/eligible project(s): N/A

Review provider(s):

DNV Business Assurance Korea Ltd.

Date of publication: 29 January 2024



About DNV

Driven by our purpose of safeguarding life, property and the environment, DNV enables organisations to advance the safety and sustainability of their business. Combining leading technical and operational expertise, risk methodology and in-depth industry knowledge, we empower our customers' decisions and actions with trust and confidence. We continuously invest in research and collaborative innovation to provide customers and society with operational and technological foresight. With our origins stretching back to 1864, our reach today is global. Operating in more than 100 countries, our 16,000 professionals are dedicated to helping customers make the world safer, smarter and greener.

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