



WHEN TRUST MATTERS



# GLOBAL POWER SYNERGY PUBLIC COMPANY LIMITED GREEN FINANCE FRAMEWORK SECOND PARTY OPINION

**Document title:** Second Party Opinion on Global Power Synergy Public Company Limited's Green Finance

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**Location:** Sydney, Australia; Bangkok, Thailand

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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 17021:2011 - Conformity Assessment Requirements for bodies providing audit and certification of management systems, and accordingly maintains a comprehensive system of quality control, including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements. We have complied with the DNV Code of Conduct<sup>1</sup> 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 preparation of statements or data included in the Framework except for this Statement. DNV maintains complete impartiality toward stakeholders interviewed during the assessment process.

<sup>1</sup> DNV Code of Conduct is available from DNV website ([www.dnv.com](http://www.dnv.com))

## DNV'S INDEPENDENT ASSESSMENT

### Scope and Objectives

Global Power Synergy Public Company Limited ("GPSC", or "Issuer") is a subsidiary of PTT Group engaged in power activities. GPSC states that it is committed to establishing energy and public utility security in support of domestic industrial growth. GPSC also pursues opportunities for investment in power projects both domestic and international markets to grow sustainably, while developing energy storage technology. GPSC and its invested companies are located in Thailand, Lao PDR, Taiwan, India, and the United States of America, selling power and steam to several industrial customers and government agencies.

GPSC's vision is to be 'The global leading innovative and sustainable power company' and its aspiration is to be a top 3 power company in Southeast Asia with more than half of MW from green portfolio.

In order to meet the commitments described above, and finance projects that will deliver environmental benefits to support GPSC's vision, mission and business strategy, GPSC has decided to create a Green Finance Framework (the "Framework").

The Framework articulates how GPSC intends to raise Green Bonds, Debentures or Loans (collectively "Green Financing Instruments" or "GFIs") to finance or refinance new and existing projects with environmental benefits. Such financing or refinancing shall be of Green Projects that conform to the principles (the "Principles") listed below:

- International Capital Market Association ("ICMA") Green Bond Principles 2021 ("GBP");
- The ASEAN Capital Markets Forum ("ACMF") Green Bond Standards 2018 ("ASEAN GBS"); and,
- LMA / APLMA Green Loan Principles 2021 ("GLP").

In addition to alignment with the GBP, ASEAN GBS and GLP, GPSC may choose to seek certification in compliance with the requirements of the Climate Bonds Initiative ("CBI") Climate Bonds Standard (V3.0) ("CBS") where the availability of applicable sector specific technical criteria allows.

Alignment of the Green Finance with the Principles is presented in the Framework through the following key pillars:

1. Use of Proceeds
2. Process for Project Evaluation and Selection
3. Management of Proceeds
4. Reporting
5. External Review

### Responsibilities of the Management of GPSC and DNV

The management of GPSC 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 GPSC management and other interested stakeholders in the Framework as to whether the Framework is aligned with Principles. In our work, we have relied on the information and the facts presented to us by GPSC. 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 GPSC's management 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 GPSC-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 debenture/a borrower of 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

The Project Evaluation and Selection criteria are guided by the requirements that an issuer of a debenture/a borrower of a loan should outline the process it follows when determining eligibility of an investment using Green Debenture/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 debenture or 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.

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.

## 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 GPSC 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 GPSC 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 GPSC and the website of GPSC and, where relevant, parent organisations;
- Discussions with GPSC's management, 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

GPSC intends to use the proceeds from the Green Financing Instruments issued under the Framework to finance or refinance eligible green assets as identified by the Principles.

The Framework defines the following eligible project categories.

#### *Eligible Green Project Categories*

- Renewable Energy
- Energy Efficiency
- Pollution Prevention and Control
- Clean Transportation

DNV undertook an analysis of the associated project type to determine the eligibility as "Green" and in line with the Principles. GPSC has provided tables mapping its Eligible Green Categories and the United Nations Sustainable Development Goals ("UN SDGs"). The outlined types of project within each category and associated selection criteria is provided in the Framework in order to determine eligibility.

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

GPSC has stated its commitment to conducting business with social and environmental responsibility.<sup>2</sup> In the Framework the GPSC has stated that it has set up a "Green Finance Working Group" to evaluate and select Eligible Green Projects. This includes representatives from the Funding and Treasury Management, Business Development and Transformation and Sustainability Management departments, and on case by case basis, from business units. The Framework explains in detail the responsibilities of the Green Finance Working Group.

DNV concludes that GPSC's Framework appropriately describes the process of project evaluation and selection.

### 3. Management of Proceeds

The net proceeds of any GPSC green financing instrument issuance under the Framework will be managed on a portfolio approach by the Green Finance Working Group and would be allocated to GFIs in the Eligible Green Projects. The net proceeds from GFIs will be deposited in the general account and an amount equal to the net proceeds will be earmarked for allocation to Eligible Green Projects in accordance with the Framework. GPSC will track the use of net proceeds of instruments issued under this Framework via its internal information system, and review the outstanding balance of tracked proceeds on an annual basis to match the allocation to Eligible Green Projects.

DNV has reviewed the evidence presented and can confirm that the proceeds arising from the future issuances will be appropriately managed.

### 4. Reporting

The Framework states that the GPSC intends to report the allocation of the net proceeds to the Eligible Green Project Portfolio. Reporting will take place within a year following the issuance of the applicable instrument issued under this Framework and will be renewed annually until full allocation. Reports will be available on GPSC website and will include:

#### Allocation reporting:

- The issuance amount or percentage of allocation to the Eligible Green Project Portfolio

<sup>2</sup> <https://www.gpscgroup.com/en/sustainability/environmental/environmental-management>

- Examples of projects being financed
- The amount of proceeds allocated by Project Category
- The portion of net proceeds used for financing vs. refinancing
- The balance of unallocated proceeds

Impact reporting:

GPSC intends to issue an annual report on the impact of the portfolio by category from an environmental perspective. The impact reporting will include information on the methodology and assumptions used for calculation of the impact metrics.

On the basis of the information provided by GPSC and the work undertaken, it is DNV's opinion that the Framework meets the criteria established in the Protocol and that it is aligned with the stated definition of Green Financing Instruments within the Principles, which is to "enable capital-raising and investment for new and existing projects with environmental benefits".

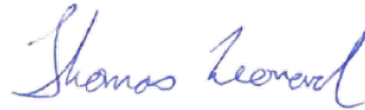
**for DNV Business Assurance Australia Pty Ltd.**

Sydney, NSW, Australia 09 May 2022  
Bangkok, Thailand, 09 May 2022



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Mark Robinson  
**Lead Verifier, Sustainability  
Services**



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Thomas Leonard  
**Technical Reviewer**

## Schedule 1. Description of Categories to be financed or refinanced through GPSC's Green Financing Transactions

Eligible Green Project Categories	Eligible Criteria and Description	Eligible Green Projects	DNV Findings
Renewable Energy	<ul style="list-style-type: none"> <li>Investments in or expenditures for the acquisition, conception, construction, development and installation as well of re-powering of renewable energy production</li> <li>Manufacture of components wholly dedicated to renewable energy technology</li> </ul>	<ul style="list-style-type: none"> <li>Solar Projects</li> <li>Wind Projects</li> <li>Run-of-the-river Hydropower projects</li> </ul>	DNV finds that the criteria and project types are eligible projects according to the Principles
Energy Efficiency	<ul style="list-style-type: none"> <li>Development, construction, installation and maintenance of Energy Storage Facilities</li> <li>Investments and/or expenditures in projects that would reduce energy consumption, improve network/energy efficiency and/or reduce electricity grid losses</li> </ul>	<ul style="list-style-type: none"> <li>Heating and cooling generation comprising combined heat and power (CHP)</li> <li>District heating including energy from waste and excess heat utilization</li> <li>District cooling systems</li> <li>Energy storage systems (ESS): acquisition, conception, construction, development and/or operation of electricity storage facilities, aiming at power grid stabilisation and/or management of peak generation of renewable energy</li> <li>Development of energy management systems (including building energy management systems), smart grids and smart meters</li> </ul>	DNV finds that the criteria and project types are eligible projects according to the Principles
Pollution Prevention and Control	<ul style="list-style-type: none"> <li>Investments related to the development, operations, maintenance, and upgrading of facilities used to produce energy from biomass and waste products</li> <li>Investments related to waste management, circular economy, pollution prevention</li> </ul>	<ul style="list-style-type: none"> <li>Facilities for collecting, sorting and material recovery</li> <li>Facilities for the recycling / reuse of materials</li> <li>Facilities for the production of compost / biogas from waste</li> <li>Waste to energy plants</li> <li>R&amp;D / studies on battery recycling (related to ESS or EVs) under the government concept of Circular Economy</li> </ul>	DNV finds that the criteria and project types are eligible projects according to the Principles
Clean Transportation	<ul style="list-style-type: none"> <li>Investments and/or operating expenditures related to manufacturing and application of batteries dedicated to be utilized in electric vehicles (EVs)</li> <li>Investments and expenditures related to installation of EV charging stations</li> </ul>	<ul style="list-style-type: none"> <li>Acquisition, conception, construction, development and/or operation of manufacturing facilities for batteries to be utilized in EVs</li> <li>Investment in EV battery package swaps and EV charging service stations</li> </ul>	DNV finds that the criteria and project types are eligible projects according to the Principles

## Schedule 2. Contributions to UN SDGs

Eligible Project Categories	GPSC Strategies and Activities stated in Framework and associated documents	UN SDGs	DNV Findings
Renewable Energy	<ul style="list-style-type: none"> <li>• Increase the proportion of electricity generation from renewable energy to 30% by 2025, with a long-term goal in conjunction with the PTT Group to increase electricity generating capacity from renewable energy to 8,000 MW by 2030 to achieve 50% of its domestic and overseas capacity from its green energy portfolio.</li> </ul>	<p><b>SDG 7.2:</b> By 2030, increase substantially the share of renewable energy in the global energy mix</p>	<p>DNV is of the opinion that eligible category outlined in the Framework contributes to the achievement of the UN SDGs.</p>
Energy Efficiency	<ul style="list-style-type: none"> <li>• Reducing the cost of producing energy, which is included in the 2020 operational plan.</li> <li>• Carry out a project to improve overall efficiency by constructing a new power plant to replace the existing one by 2022.</li> <li>• Deliver 1000 kW of renewable energy power generation systems and energy storage systems to communities in need nationwide by 2025.</li> <li>• Reducing intensity of greenhouse gas emissions by 10% by 2025 and 35% by 2030 (from a 2020 base year</li> </ul>	<p><b>SDG 7.3</b> By 2030, double the global rate of improvement in energy efficiency</p> <p><b>SDG 9.4</b> 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</p>	
Clean Transportation	<ul style="list-style-type: none"> <li>• Greenhouse gas emission reduction from the Low Emission Support Scheme (LESS) / Thailand Voluntary Emission Reduction Program (T-VER).</li> <li>• GPSC aims to become a leader in the production of energy storage systems, batteries for electric vehicles, and service providers related to batteries.</li> </ul>	<p><b>SDG 11.2</b> By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all</p>	
Pollution Prevention and Control	<ul style="list-style-type: none"> <li>• Minimizing resource use to comply with PTT Group's targets during 2019-2023</li> <li>• Zero waste in landfills</li> <li>• Establishing projects and activities in the area such as a garbage bank, charitable waste donation activities, basic waste separation activities, organic household waste management, student and teacher training program for school waste separation, waste processing projects to add value, green market projects, etc.</li> <li>• Reduction of 200,000 tonnes/year of waste from coal plants</li> <li>• Reduction of 260,000 m3/year of wastewater</li> <li>• Reduction of 400,000 m3/year of raw water use</li> </ul>	<p><b>SDG 12.5</b> By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse</p>	



## Schedule 3. Eligibility Assessment Protocol

### 1. Use of Proceeds

Ref.	Criteria	Requirements	DNV Findings
1a	Type of debenture / loan	<p>The Debenture/Loan must fall in one of the following categories, as defined by the Green Bond Principles:</p> <ul style="list-style-type: none"> <li>Green Use of Proceeds Bond</li> <li>Green Use of Proceeds Revenue Bond</li> <li>Green Project Bond</li> <li>Green Securitized Bond</li> <li>Loan instrument made available for Green project (Green use of proceeds loan)</li> </ul>	<p>The Framework states that GFIs contribute to positive environmental impacts.</p> <div style="border: 1px solid blue; padding: 5px;"> <p><b>From the Framework</b>  <i>GPSC will allocate an amount at least equivalent to the net proceeds of the Green [...] financing instruments issued under this Framework towards financing or refinancing, in whole or in part, new and/or existing eligible projects as described below (“Eligible Green Projects”) in the eligible categories, together forming the “Eligible Green Project Portfolio”.</i></p> </div> <p>The reviewed evidence confirms that the GFIs fall in the category: Green Use of Proceeds Bond/Loan.</p>
1b	Green Project Categories	<p>The cornerstones of Green Bond and Loan are the utilization of the proceeds of the debenture and the loan which should be appropriately described in the legal documentation for the security.</p>	<p>Eligible project categories presented by GPSC are as follows:</p> <ul style="list-style-type: none"> <li>Renewable Energy</li> <li>Energy Efficiency</li> <li>Pollution Prevention and Control</li> <li>Clean Transportation</li> </ul> <p>The above-mentioned project categories meet the eligible Green Project Categories in Principles.</p>
1c	Environmental benefits	<p>All designated Green Project categories should provide clear environmentally sustainable benefits, which, where feasible, will be quantified or assessed by the Issuer.</p>	<p>Environmental benefits are noted to include:</p> <ul style="list-style-type: none"> <li>Increase the proportion of electricity generation from renewable energy.</li> <li>Reducing the cost of producing energy</li> <li>Reducing intensity of greenhouse gas emissions</li> <li>Increased production of energy storage systems, batteries for electric vehicles, and service providers related to batteries</li> <li>Minimizing resource</li> <li>Reduction waste production;</li> <li>Zero waste in landfills</li> <li>Establishing projects and activities in support of community sustainability</li> <li>Reduction in water use and waste-water discharge</li> </ul>
1d	Refinancing Share	<p>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.</p>	<p>The Framework indicates that, proceeds will only be used for financing and refinancing of investments in the eligible categories.</p>

		Eligible Category	Environmental Benefit
		Renewable Energy	<ul style="list-style-type: none"> <li>Reduced and/or avoided GHG emissions (in t. CO2e /year)</li> <li>Expected annual renewable energy generation (MWh/y)</li> </ul>
		Energy Efficiency	<ul style="list-style-type: none"> <li>Reduced and/or avoided GHG emissions (in t. CO2e /year)</li> <li>Energy conserved (KWh)</li> </ul>
		Pollution Prevention and Control	<ul style="list-style-type: none"> <li>Waste that is prevented, minimised, reused or recycled before and after the project in % of total waste and/or in absolute amount in tonnes p.a</li> <li>Annual energy generation from non-recyclable waste in energy/emission-efficient waste to energy facilities in MWh/GWh (electricity)</li> <li>Energy recovered from waste (minus any support fuel) in MWh/GWh/KJ of net energy generated p.a.</li> <li>GHG emissions from waste management before and after the project in tCO2e p.a.</li> </ul>
		Clean Transportation	<ul style="list-style-type: none"> <li>Number of EV batteries supplied</li> </ul>

## 2. Process for Project Selection and Evaluation

Ref.	Criteria	Requirements	DNV Findings
2a	Investment-decision process	<p>The Issuer of a Green Bond and Loan should outline the decision-making process it follows to determine the eligibility of projects using Green Bond and Loan proceeds. This includes, without limitation:</p> <ul style="list-style-type: none"> <li>The environmental objectives of the eligible Green Projects;</li> <li>The process by which the issuer determines how the projects fit within the eligible Green Projects categories; and</li> <li>Complementary information on processes by which the issuer identifies and manages perceived environmental and social risks associated with the relevant project(s).</li> </ul>	<p>GPSC has stated its commitment to conducting business with social and environmental responsibility, including decentralization, decarbonization and digitization, which is a framework for delivering environmentally friendly energy through a circular economy in an efficient manner.<sup>3</sup></p> <p>The Framework states that Evaluation and Selection ensures that the net proceeds of the GFIs are allocated to projects that meet the eligibility criteria.</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>From the Framework</b></p> <p><i>To ensure eligibility for green financing, GPSC has set up the “Green Finance Working Group” in charge of the evaluation and selection of the Eligible Green Projects, in accordance with the eligibility criteria defined in the Use of Proceeds.</i></p> <p>...</p> <p><i>The Green Finance Working Group is responsible for:</i></p> <ul style="list-style-type: none"> <li><i>Reviewing and ratifying Eligible Green Projects to ensure eligibility for green financing</i></li> <li><i>Proposing the Eligible Green Projects to the GPSC Management Committee to review and approve</i></li> <li><i>Undertaking regular monitoring of the asset pool to ensure the eligibility of projects, whilst replacing any ineligible projects with new green assets</i></li> <li><i>Verifying compliance of the green projects with GPSC’s policy and internal environmental and social standards</i></li> <li><i>Facilitating regular reporting on any Green issuance in alignment with the section 4 on ‘Reporting’</i></li> <li><i>Managing any future updates to the Framework</i></li> </ul> </div>

<sup>3</sup> <https://www.gpscgroup.com/en/sustainability/environmental/environmental-management>

			<p>...</p> <p><i>GPSC requires that all projects for developing new businesses or for expanding the production capacity of existing operations must undergo environmental impact assessments. The assessment must include a comprehensive overview of populations, species, and habitats in the surrounding areas, in line with its Biodiversity statement.</i></p>
<b>2b</b>	Issuer / borrower's environmental and governance framework	<p>Issuers are also encouraged to:</p> <ul style="list-style-type: none"> <li>Position the relevant information within the context of the issuer's overarching objectives, strategy, policy and/or processes relating to environmental sustainability.</li> <li>Provide information, if relevant, on the alignment of projects with official or market-based taxonomies, related eligibility criteria</li> <li>Have a process in place to identify mitigants to known material risks of negative environmental and/or social impacts from the relevant project(s).</li> </ul>	<p>The PTT Group Sustainability Management Framework is in line with related international standards and guidelines such as World Business Council for Sustainable Development (WBCSD) Vision 2050, United Nations Global Compact (UNGC), ISO 26000, Global Reporting Initiative (GRI), and Dow Jones Sustainability Indices (DJSI).</p> <p>GPSC states that its vision is to be <i>"The global leading innovative and sustainable power company"</i>. Its aspiration is to be <i>"a top 3 power company in Southeast Asia with more than half of MW from green portfolio."</i></p> <p>GPSC also operates a climate change strategy to support changing customer demands and create long-term energy sustainability as well as establishing measures to handle risks and impacts of climate change.</p> <p><b>From the Framework</b></p> <p><i>In September 2021, GPSC unveiled its new corporate strategy which is in line with global energy trends and Thailand's national energy plan, using a 4S model while heightening its efforts in reducing carbon emissions.</i></p> <p><i>GPSC announced its Roadmap to Net Zero Emissions, which is comprised of the four key pillars of Reduce Fossil Usage, Grow Renewables, Enhance Infrastructure and Trading /Offset Activity. In line with its commitment to achieve carbon-neutrality by 2050 and Net Zero emissions by 2060, GPSC targets to reduce intensity of greenhouse gas emissions by 10% by 2025 and 35% by 2030 (from a 2020 base year). This is in line with the Kingdom of Thailand's Nationally Determined Contribution (NDC) target for greenhouse gas reduction to 40% by 2030 and achieve Net Zero by 2065.</i></p> <p><i>Moving toward clean energy, the company also aims to expand its green energy portfolio by over 50% of its total domestic and overseas capacity in 10 years. This entails developing a renewables power capacity by stake of 8,000 MW by 2030. With India, Vietnam and Taiwan as the key production countries, the company is advancing toward becoming one of the top three energy innovation companies in the ASEAN region.</i></p>

### 3. Management of Proceeds

Ref.	Criteria	Requirements	DNV Findings
<b>3a</b>	Tracking procedure	<ul style="list-style-type: none"> <li>(Debenture) The net proceeds of Green Debentures should be credited to a sub-account, moved to a sub- portfolio or otherwise tracked by the</li> </ul>	<p>The evidence reviewed shows how GPSC plans to manage the GFI proceeds.</p> <p><b>From the Framework</b></p> <p><i>The net proceeds of any GPSC financing instrument issuance under the Framework will be managed using a</i></p>

		<p>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 Projects.</p> <ul style="list-style-type: none"> <li>(Loan) The proceeds of Green Loans should be credited to a dedicated account or otherwise tracked by the borrower in an appropriate manner, so as to maintain transparency and promote the integrity of the product. Where a green loan takes the form of one or more tranches of a loan facility, each green tranche(s) must be clearly designated, with proceeds of the green tranche(s) credited to a separate account or tracked by the borrower in an appropriate manner.</li> </ul>	<p><i>portfolio approach by the Green Finance Working Group and would be allocated as follows to Eligible Green Projects.</i></p> <p><i>The net proceeds from GPSC's Green financing instruments will be deposited in GPSC's general accounts and an amount equal to the net proceeds will be earmarked for allocation to the Eligible Green Projects in accordance with GPSC's Green Finance Framework. GPSC will attempt to maintain an Eligible Green Project Portfolio that at least matches or exceeds the net proceeds from its outstanding financing instruments issued under this Framework.</i></p> <p><i>During the life of the instruments issued under this Framework if a project ceases to fulfil the eligibility criteria, GPSC will remove the same from the portfolio upon becoming aware and replace it with another eligible green project as soon as reasonably practicable.</i></p>
3b	Tracking procedure	So long as the Green Debenture are outstanding, the balance of the tracked proceeds should be periodically reduced by amounts matching eligible green investments or loan disbursements made during that period.	<p>The related tracking procedures are in place in the Framework as follows:</p> <p><b>From the Framework</b></p> <p><i>GPSC will track the use of net proceeds of instruments issued under this Framework via its internal information system. The balance of the tracked proceeds should be adjusted on an annual basis, in order to match the allocation to Eligible Green Projects re/financed during this period.</i></p>
3c	Temporary holdings	Pending such investments or disbursements to eligible Green Projects, the Issuer should make known to investors the intended types of temporary investment instruments for the balance of unallocated proceeds.	<p>The Framework explains the treatment of unallocated funds.</p> <p><b>From the Framework</b></p> <p><i>For any net proceeds of instruments issued under this Framework that remain unallocated, GPSC will hold the proceeds in cash and/or invest in other short-term liquid instruments, in line with GPSC's policy. GPSC will aim to be fully allocated to Green Projects within 2 years of Issue date.</i></p>

#### 4. Reporting

Ref.	Criteria	Requirements	DNV Findings
4a	Periodical reporting	<ul style="list-style-type: none"> <li>Issuers should make, and keep, readily available up to date information on the use of proceeds to be renewed annually until full allocation, and on a timely basis in case of material developments.</li> <li>The annual report should include a list of the projects to which Green Debenture proceeds have been allocated, as</li> </ul>	<p>GPSC has confirmed to disclose the allocation of the net proceeds of the GFIs.</p> <p><b>From the Framework</b></p> <p><i>GPSC intends to report the allocation of the net proceeds to the Eligible Green Project Portfolio. Reporting will take place within a year following the issuance of the applicable instrument issued under this Framework and will be renewed annually until full allocation.</i></p> <p>The Framework explains the proposed Allocation Reporting.</p>

		<p>well as a brief description of the projects, the amounts allocated, and their expected impact.</p> <ul style="list-style-type: none"> <li>Where confidentiality agreements, competitive considerations, or a large number of underlying projects limit the amount of detail that can be made available, the GBP recommend that information is presented in generic terms or on an aggregated portfolio basis (e.g. percentage allocated to certain project categories).</li> </ul>	<table border="1"> <thead> <tr> <th colspan="2"><b>From the Framework</b></th> </tr> </thead> <tbody> <tr> <td colspan="2"> <p><i>Until the Green financing instruments are fully allocated, the Green Finance Working Group will annually prepare a report to update investors on the allocation of the net proceeds of instruments issued under this Framework. Reports will provide information such as:</i></p> <ul style="list-style-type: none"> <li><i>The issuance amount or percentage of allocation to the Eligible Green Project Portfolio</i></li> <li><i>Examples of projects being financed</i></li> <li><i>The amount of proceeds allocated by Project Category</i></li> <li><i>The portion of net proceeds used for financing vs. refinancing</i></li> <li><i>The balance of unallocated proceeds</i></li> </ul> </td> </tr> <tr> <td colspan="2"> <p>The Framework also provides examples of indicators and Metrics used in Impact Reporting:</p> </td> </tr> <tr> <th><b>Eligible Green Projects Categories</b></th> <th><b>Examples of impact indicators</b></th> </tr> <tr> <td><i>Renewable Energy</i></td> <td> <ul style="list-style-type: none"> <li><i>Reduced and/or avoided GHG emissions (in t. 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## Schedule 4. Green Financing Instruments External Review Form

### Section 1. Basic Information

**Issuer name:**

Global Power Synergy Public Company Limited. ("GPSC")

**Green Bond ISIN or Issuer Framework Name, if applicable:**

GPSC Green Finance Framework, Draft Date 06 May 2022

**Independent External Review provider's name:**

DNV Business Assurance Australia Pty Ltd.

**Completion date of this form:**

09 May 2022

**Publication date of review publication:**

09 May 2022

### Section 2. Review overview

**SCOPE OF REVIEW**

*The following may be used or adapted, where appropriate, to summarise the scope of the review.*

The review assessed the following elements and confirmed their alignment with the GBP, GLP and ASEAN GBS:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Use of Proceeds        | <input checked="" type="checkbox"/> Process for Project Evaluation and Selection |
| <input checked="" type="checkbox"/> Management of Proceeds | <input checked="" type="checkbox"/> Reporting                                    |

**ROLE(S) OF INDEPENDENT EXTERNAL REVIEW PROVIDER**

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Second Party Opinion | <input type="checkbox"/> Certification  |
| <input checked="" type="checkbox"/> Verification         | <input type="checkbox"/> Scoring/Rating |
| <input type="checkbox"/> Other (please specify):         |   |

*Note: In case of multiple reviews / different providers, please provide separate forms for each review.*

**EXECUTIVE SUMMARY OF REVIEW and/or LINK TO FULL REVIEW (if applicable)**

On the basis of the information provided by GPSC and the work undertaken, it is DNV's opinion that the GPSC's Green Finance Framework meets the criteria established in the Protocol and are aligned with the stated definition of green debentures/loans within the Principles.

### 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**

**Overall comment on section (if applicable):**

GPSC intends to use the proceeds of the Green Financing Instruments issued under the Framework to finance or refinance, in whole or in part, new or existing Eligible Green Project Categories. DNV concludes that the GPSC Green Finance Framework is aligned with the Principles.

**Use of proceeds categories as per GBP:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Renewable energy   | <input checked="" type="checkbox"/> Energy efficiency  |
| <input checked="" type="checkbox"/> Pollution prevention and control   | <input type="checkbox"/> Environmentally sustainable management of living natural resources and land use |
| <input type="checkbox"/> Terrestrial and aquatic biodiversity conservation   | <input checked="" type="checkbox"/> Clean transportation   |
| <input type="checkbox"/> Sustainable water and wastewater management   | <input type="checkbox"/> Climate change adaptation   |
| <input type="checkbox"/> Eco-efficient and/or circular economy adapted products, production technologies and processes                             | <input type="checkbox"/> Green buildings   |
| <input type="checkbox"/> Unknown at issuance but currently expected to conform with GBP categories, or other eligible areas not yet stated in GBPs | <input type="checkbox"/> Other ( <i>please specify</i> ):  |

If applicable please specify the environmental taxonomy, if other than GBPs: GLP, ASEAN GBS.

**Use of proceeds categories as per GLP:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Renewable energy   | <input checked="" type="checkbox"/> Energy efficiency  |
| <input checked="" type="checkbox"/> Pollution prevention and control   | <input type="checkbox"/> Environmentally sustainable management of living natural resources and land use |
| <input type="checkbox"/> Terrestrial and aquatic biodiversity conservation   | <input checked="" type="checkbox"/> Clean transportation   |
| <input type="checkbox"/> Sustainable water and wastewater management   | <input type="checkbox"/> Climate change adaptation   |
| <input type="checkbox"/> Eco-efficient and/or circular economy adapted products, production technologies and processes | <input type="checkbox"/> Green buildings   |

**Use of proceeds categories as per ASEAN GBS:**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Renewable Energy  | <input checked="" type="checkbox"/> Clean transportation   |
| <input type="checkbox"/> Energy Efficiency  | <input type="checkbox"/> Sustainable water and waste water management  |
| <input checked="" type="checkbox"/> Pollution prevention and control                                      | <input checked="" type="checkbox"/> Climate change adaptation  |
| <input type="checkbox"/> Environmentally sustainable management of living natural resources and land use; | <input type="checkbox"/> Eco-efficient and/or circular economy adapted products, production technologies and processes           |
| <input type="checkbox"/> Terrestrial and aquatic biodiversity conservation                                | <input type="checkbox"/> Green buildings which meet regional, national or internationally recognised standards or certifications |

**2. PROCESS FOR PROJECT EVALUATION AND SELECTION**

**Overall comment on section (if applicable):**  
 The proceeds will be allocated to finance and refinance the assets as defined in Schedule 1. DNV reviewed the Framework which describes the process through which projects are evaluated and selected. DNV can confirm the proceeds of the Green Financing Instruments go through an internal process for evaluation and selection.

**Evaluation and selection**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Credentials on the issuer’s green objectives  | <input checked="" type="checkbox"/> Documented process to determine that projects fit within defined categories               |
| <input checked="" type="checkbox"/> Defined and transparent criteria for projects eligible for Green Debenture proceeds | <input checked="" type="checkbox"/> Documented process to identify and manage potential ESG risks associated with the project |
| <input checked="" type="checkbox"/> Summary criteria for project evaluation and selection publicly available            | <input type="checkbox"/> Other ( <i>please specify</i> ):   |

### Information on Responsibilities and Accountability

- Evaluation / Selection criteria subject to external advice or verification
- In-house assessment
- Other (*please specify*):

### 3. MANAGEMENT OF PROCEEDS

**Overall comment on section (if applicable):**  
 The Framework states that GPSC the net proceeds of any issuance under the Framework will be managed on a portfolio approach and would be allocated as follows to Eligible Green Projects. The net proceeds from GPSC's Green financing instruments will be deposited in the general account and an amount equal to the net proceeds will be earmarked for allocation to the Eligible Green Projects.

#### Tracking of proceeds:

- Green Debenture/Loan proceeds segregated or tracked by the issuer in an appropriate manner
- Disclosure of intended types of temporary investment instruments for unallocated proceeds
- Other (*please specify*):

#### Additional disclosure:

- Allocations to future investments only
- Allocations to both existing and future investments
- Allocation to individual disbursements
- Allocation to a portfolio of disbursements
- Disclosure of portfolio balance of unallocated proceeds
- Other (*please specify*):

### 4. REPORTING

**Overall comment on section (if applicable):**

The Framework states that net proceeds of any GPSC financing instrument issuance under the Framework will be managed using a portfolio approach by the Green Finance Working Group and would be allocated as follows to Eligible Green Projects. **Use of proceeds reporting:**

- Project-by-project
- On a project portfolio basis
- Linkage to individual bond(s)
- Other (*please specify*):

#### Information reported:

- Allocated amounts
- Sustainability Bond financed share of total investment
- Other (*please specify*):

#### Frequency:

- Annual
- Semi-annual
- Other (*please specify*):

#### Impact reporting:

- Project-by-project
- On a project portfolio basis
- Linkage to individual bond(s)
- Other (*please specify*):



**Frequency:**

- Annual  Semi-annual  
 Other *(please specify):*

**Information reported (expected or ex-post):**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> GHG Emissions / Savings | <input checked="" type="checkbox"/> Energy Savings  |
| <input type="checkbox"/> Decrease in water use              | <input type="checkbox"/> Number of beneficiaries  |
| <input type="checkbox"/> Target populations                 | Other ESG indicators <i>(please specify):</i><br>- Generation of renewable energy<br><input checked="" type="checkbox"/> - Waste prevention<br>- Energy from waste generation and energy recovery<br>- GHG emissions from waste management<br>- Number of EV batteries supplied |

**Means of Disclosure**

- |  |   |
|--|---|
| <input type="checkbox"/> Information published in financial report   | <input type="checkbox"/> Information published in sustainability report                 |
| <input type="checkbox"/> Information published in ad hoc documents   | <input checked="" type="checkbox"/> Other <i>(please specify):</i> Published on website |
| <input type="checkbox"/> Reporting reviewed <i>(if yes, please specify which parts of the reporting are subject to external review):</i> |   |

Where appropriate, please specify name and date of publication in the useful links section.

**USEFUL LINKS** *(e.g. to review provider methodology or credentials, to issuer’s documentation, etc.)*

**SPECIFY OTHER EXTERNAL REVIEWS AVAILABLE, IF APPROPRIATE**

**Type(s) of Review provided:**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Second Party Opinion (GBP, GLP) | <input type="checkbox"/> Certification  |
| <input checked="" type="checkbox"/> Verification (ASEAN GBS)        | <input type="checkbox"/> Scoring/Rating |
| <input type="checkbox"/> Other <i>(please specify):</i>             |   |

**Review provider(s):**

DNV Business Assurance Australia Pty Ltd.

**Date of publication:**

09 May 2022

## ABOUT ROLE(S) OF REVIEW PROVIDERS AS DEFINED BY THE Principles

- 1. Second Party Opinion:** An institution with environmental expertise, that is independent from the issuer may issue a Second Party Opinion. The institution should be independent from the issuer's adviser for its Green Finance Framework, or appropriate procedures, such as information barriers, will have been implemented within the institution to ensure the independence of the Second Party Opinion. It normally entails an assessment of the alignment with the Principles. In particular, it can include an assessment of the issuer's overarching objectives, strategy, policy and/or processes relating to environmental sustainability, and an evaluation of the environmental features of the type of projects intended for the Use of Proceeds.
- 2. Verification:** An issuer can obtain independent verification against a designated set of criteria, typically pertaining to business processes and/or environmental criteria. Verification may focus on alignment with internal or external standards or claims made by the issuer. Also, evaluation of the environmentally sustainable features of underlying assets may be termed verification and may reference external criteria. Assurance or attestation regarding an issuer's internal tracking method for use of proceeds, allocation of funds from Green Finance proceeds, statement of environmental impact or alignment of reporting with the Principles, may also be termed verification.
- 3. Certification:** An issuer can have its Green Financing Instruments or associated Green Finance Framework or Use of Proceeds certified against a recognised external green standard or label. A standard or label defines specific criteria, and alignment with such criteria is normally tested by qualified, accredited third parties, which may verify consistency with the certification criteria.
- 4. Green Financing Instruments Scoring/Rating:** An issuer can have its Green Financial Instruments, associated Green Finance Framework or a key feature such as Use of Proceeds evaluated or assessed by qualified third parties, such as specialised research providers or rating agencies, according to an established scoring/rating methodology. The output may include a focus on environmental performance data, the process relative to the Principles, or another benchmark, such as a 2-degree climate change scenario. Such scoring/rating is distinct from credit ratings, which may nonetheless reflect material environmental risks.



## 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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