Priorities of the Requests for Realization of Carbon Neutrality
(Year 2026 Edition)

[Overall Approach]
Steady and prompt implementation of the initiatives set out in priority support sectors in the GX (Green Transformation) Promotion Strategy.
(Implementation of the various initiatives proposed by the Study Group on Roadmap Formulation for the Widespread Use of GX Construction Equipment)

[Specific Approach]

Chapter 1: Electric Construction Equipment

1. **Enhancement of support measures (support for facility development, technological development, and related areas through budgetary and tax incentives)**
   - ○ Continuation of research and development support, subsidies, and tax-based purchase support for electric construction equipment and component manufacturers until market adoption enables mass production following advanced development
   - ○ Continuation of R&D support, subsidies, and tax-based purchase support for electric construction equipment and component manufacturers until market adoption leads to mass production following advanced development
   - ○ Continuation of R&D support, subsidies, and tax-based purchase support for large-capacity portable charging equipment, as well as expansion of purchase support for standalone charging equipment, including high-voltage receiving equipment required for installation
   - ○ Support for expanding a nationwide network of public testing and evaluation facilities capable of accommodating heavy construction equipment
   - ○ Increase in subsidy rates when utilizing renewable energy power
   - ○ Infrastructure development to enable high-volume overnight charging and subsidies for nighttime electricity rates
   - ○ Purchase subsidies for low-temperature storage warehouses to maintain recommended temperatures required to prevent battery degradation

2. **Internationally Harmonized Standardization and Review of Regulations**
   - ○ Establishment of unified nationwide operational rules for large-capacity portable charging equipment (including simplified installation, relocation, safety, storage, transport, and management)

- Government-led establishment of systems to facilitate the recycling and reuse of construction equipment batteries, along with quality evaluation standards for batteries
- Establishment and simplification of regulations and procedures regarding the import and export of batteries (including those installed in used construction equipment)

Chapter 2: Hydrogen-Powered Construction Equipment

1. **Enhancement of support measures (support for facility development, technological development, and related areas through budgetary and tax incentives)**
   - Continuation of R&D support, subsidies, and tax-based purchase support for hydrogen construction equipment and component manufacturers until market adoption leads to mass production following advanced development
   - Establishment of a stable hydrogen supply and development of hydrogen refueling stations for construction equipment

2. **Internationally Harmonized Standardization and Review of Regulations**
   - Establishment of internationally harmonized standards, normalization, and guidelines required to facilitate the development of hydrogen construction equipment by Japanese construction equipment manufacturers, alongside the relaxation of globally stringent regulations on hydrogen transport, storage, and usage, particularly centered on the High Pressure Gas Safety Act

Chapter 3: Use of Next-Generation Fuels

- Achieving a stable supply of next-generation fuels (biofuels and synthetic fuels), alongside ensuring quality, establishing standardization, and clarifying tax and legal classifications for next-generation fuels—areas currently under active discussion, led by the Agency for Natural Resources and Energy

Chapter 4: Creation of Domestic and International Demand, Overall Approach

1. **Support for carbon neutrality in Construction Equipment production and manufacturing**
   - Support for establishing production systems for perovskite solar cells, alongside unified implementation across local governments of relevant laws, regulations, and standards necessary for installation, operation, and disposal tailored to their unique characteristics

- Introduction of support measures such as preferential pricing for procuring renewable green power, alongside continued support for the Project to Promote Renewable Energy Introduction and Cost Reduction through Innovative Approaches (Ministry of the Environment)
- Introduction of subsidies for building reinforcement works and maintenance required for solar panel installation
- Continuation of extended timeframes (multi-year coverage) from application call to installation deadline for solar power subsidies

2. Creation of demand in Japan and overseas

(1) Growth of domestic demand

- Simplification of certification criteria to further expand eligible models under the GX Construction Equipment Certification System, alongside consideration of expanding the system to encompass equipment utilizing hydrogen and next-generation fuels
- Incentive subsidies, tax incentives, awarding of evaluation points, and support for cost differences compared to diesel fuel for the adoption of GX construction equipment
- Evaluation based on the ownership and utilization record of GX construction equipment in official construction contractor evaluations (e.g., establishing procurement requirements for construction projects, introducing point additions and deductions)
- Introduction of incentives, such as reviewing unit contract prices to account for increased construction costs
- Formulation of evaluation standards for CO2 emission reductions, awarding of evaluation points based on these standards, implementation of model projects mandating the use of environmentally friendly construction equipment, and establishment of timelines
- Continuation of subsidies under the Commercial Vehicle Electrification Promotion Project, alongside consideration of expanding the scope to include construction equipment utilizing hydrogen and next-generation fuels

(2) Support for overseas expansion

- Addition of the construction machinery and civil engineering sectors to the carbon neutrality contribution section of the Infrastructure System Overseas Promotion Strategy, alongside consideration of specific measures

- Implementation and expansion of support for infrastructure development and GX construction machinery through ODA and public financing
- Establishment of new domestic Harmonized System (HS) code classifications for electric construction machinery

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