



CHINA'S 15TH FIVE-YEAR PLAN FOR CIRCULAR ECONOMY DEVELOPMENT

OVERVIEW REQUIREMENTS

Following the principles of reduction, reuse, and resource recovery, the Plan adopts a systemic approach, focuses on key sectors and critical links, strengthens resource recycling and utilization chains, and promotes the upgrading of the circular economy industry.

By 2030:

- Increase overall resource productivity by approximately 16% compared with 2025
- Reduce energy consumption per unit of GDP by approximately 10% compared with 2025
- Reduce water consumption per unit of GDP by more than 10% compared with 2025
- Increase the annual comprehensive utilization of bulk solid waste to approximately 4.5 billion tonnes
- Increase the annual recycling utilization of major secondary resources to approximately 510 million tonnes
- Expand the output value of the resource recycling industry to 8 trillion yuan

By 2035, a high-quality circular economy development system will be fundamentally established, and the utilization efficiency of major resources will reach global leading levels.

COMPREHENSIVELY STRENGTHENING THE FOUNDATION FOR WASTE REDUCTION

1. Promoting Green Product Design

- Issue green design guidelines
- Promote modular, lightweight, and long-life design for industrial electromechanical equipment
- Improve the green design standard system for consumer products
- Encourage reduction-oriented and color-minimization design in packaging printing

2. Advancing Cleaner Production Across Industries

- Deepen mandatory cleaner production audits in key industries
- Promote the development of green mines
- Strengthen source control of construction waste
- Enhance supervision and management of agricultural inputs throughout their lifecycle
- Fully promote water-saving technologies

3. Promoting Green Consumption across Society

- Advocate green and low-carbon lifestyles
- Strengthen the leading role of public institutions in resource conservation and green consumption
- Increase efforts to promote green and low-carbon products
- Advance full-chain management of plastic pollution
- Promote the substitution of plastics with bamboo-based alternatives ("bamboo instead of plastic")
- Strengthen the governance of excessive packaging of commodities
- Promote the green transformation of express delivery packaging

ACCELERATING THE IMPROVEMENT OF RESOURCE UTILIZATION EFFICIENCY

1. Promoting Efficient Circular Utilization of Industrial Resources

- Strengthen assessment of the development and utilization of strategic mineral resources
- Consolidate and enhance the effectiveness of circular transformation of industrial parks
- Promote cascading energy utilization, water recycling, and synergy treatment and resource utilization of solid waste among industrial enterprises and industrial parks
- Strengthen the sorting treatment and resource utilization of bulk industrial solid waste

2. Advancing Circular Development in Agriculture

- Promote the development of ecological circular agriculture
- Advance comprehensive utilization of crop straw
- Facilitate the nearby utilization of livestock and poultry manure
- Promote environmentally friendly agricultural mulch films based on local conditions
- Improve the recycling and treatment system for agricultural solid waste
- Enhance the comprehensive utilization of agricultural processing by-products

3. Promoting Green Construction Throughout the Entire Engineering Construction Process

- Strengthen standardized management of major projects and construction sites
- Promote the sorting treatment and resource utilization of construction waste, and encourage the production and application of recycled building materials
- Strengthen the comprehensive utilization of dredged soil
- Promote certification and application of green building materials

4. Unlocking the Resource Potential of Traditional “Urban Mines”

- Implement upgrading initiatives for “urban mine” demonstration bases
- Encourage key urban clusters and metropolitan areas to establish regional collaborative systems for renewable resource utilization
- Improve registration and filing systems for cross-regional transportation of recycled solid waste

5. Addressing Shortcomings in the Circular Utilization of Solid Waste from Emerging Sectors such as the “New Three”

- Strengthen the recycling responsibilities of EV battery and New Energy Vehicle manufacturers, and enhance product information traceability management
- Develop management measures for the recycling and utilization of retired wind power and photovoltaic equipment
- Establish industry standards and regulatory requirements for the comprehensive utilization of retired wind turbine blades and photovoltaic modules
- Promote circular utilization of waste generated in the new infrastructure sector

CONTINUOUSLY EXPANDING REUSE AND SECONDARY UTILIZATION

1. Promoting the Importation and Utilization of High-Quality Overseas Recovered Raw Materials

- Strengthen full-chain management of high-quality overseas recovered raw materials
- Gradually expand categories of imported recovered raw materials
- Improve quality standards for imported recovered raw materials and criteria for determining solid waste status

2. Expanding the Application Scale of Secondary Materials

- Implement initiatives to promote the application of secondary materials
- Improve evaluation standards for secondary materials
- Strengthen digital traceability management throughout the lifecycle of secondary materials

3. Promoting High-Level Remanufacturing

- Implement remanufacturing of traditional equipment
- Advance remanufacturing of new and high-end equipment
- Strengthen research, development, and deployment of advanced remanufacturing technologies
- Improve full-chain management systems for different categories of remanufacturing activities
- Standardize labeling systems for remanufactured products

4. Regulating the Development of Second-Hand Goods Circulation and Trading

- Actively develop second-hand goods circulation systems
- Improve standards systems for second-hand goods
- Strictly implement information-clearing requirements for second-hand electronic products
- Expand regulated cross-border circulation channels for second-hand goods

EFFECTIVELY IMPROVING WASTE COLLECTION NETWORKS

1. Strengthening Fine-Grained Collection of Industrial Waste

- Improve industrial waste recycling systems
- Establish and enhance industrial solid waste management ledger systems
- Improve collection and transportation capacity for agro-forest wastes
- Cultivate third-party recycling service providers

2. Promoting Standardized Recycling of Consumer-Generated Waste

- Accelerate the development of multifunctional recycling stations and transfer facilities
- Promote the establishment of secondary resources sorting centers in cities at and above prefecture level
- Deepen the development of the “Internet+Recycling” model
- Promote the recycling and utilization of low-value recyclable materials

3. Targetedly Enhancing Recycling Capacity for Key Waste Categories

- Improve collection, distribution, and logistics systems for bulk secondary resources
- Establish specialized recycling systems for key waste categories

Key categories include:

- EV batteries
- Wind power equipment
- Photovoltaic modules
- New infrastructure equipment
- Strengthen circular utilization of public institutional assets

VIGOROUSLY PROMOTING THE UPGRADING OF THE CIRCULAR ECONOMY INDUSTRY

1. Optimizing Industrial Layout

- Map out the capacity distribution of resource recycling and circular utilization projects
- Conduct timely capacity warnings and effective regulation
- Optimize the capacity layout of resource recycling and circular utilization projects
- Cultivate leading enterprises in resource recycling and circular utilization across different sectors

2. Accelerating Upgrading of Technologies, Processes, and Equipment

- Increase support for fundamental research and technological innovation in the circular economy
- Conduct research and development on major technologies and equipment for resource recycling and utilization
- Establish innovation platforms for resource recycling and circular utilization technologies

3. Cultivating and Expanding Circular Economy Services

- Develop professional technical services for remanufacturing and support the establishment of specialized service platforms
- Foster professional circular economy service organizations
- Encourage the development of circular economy system solution providers

4. Strengthening Industry Regulation

- Strengthen market access management for secondary resources
- Implement regulatory standards for the comprehensive utilization industry of secondary resources
- Enhance cross-departmental joint enforcement and information sharing
- Intensify efforts to combat illegal recycling and dismantling activities

STRENGTHENING INSTITUTIONAL AND POLICY SUPPORT

1. Improving the Legal and Regulatory Framework

- Promote revision of the Circular Economy Promotion Law
- Accelerate revisions of regulations and institutional frameworks in key sectors
- Further implement the Extended Producer Responsibility (EPR) system
- Encourage local governments to strengthen institutional support for circular economy development based on local conditions

2. Optimizing Standards, Labeling, and Certification Systems

- Promote the establishment of a standardization technical committee for the circular economy sector
- Develop guidelines for building a circular economy standards system
- Improve the full-chain circular economy standards framework
- Strengthen supervision of standards implementation
- Support the inclusion of circular economy activities in voluntary carbon reduction mechanisms and carbon inclusivity schemes
- Promote alignment and mutual recognition with international standards and certification systems
- Strengthen public service capacity for circular economy inspection, testing, and certification

3. Improving Statistical and Evaluation Systems

- Improve the statistical indicator system for the circular economy
- Establish classification-based evaluation systems for industries and key enterprises
- Strengthen industry monitoring and information guidance

4. Strengthening Comprehensive Policy Support

- Support eligible resource recycling and circular utilization projects
- Increase investment and financing support for the circular economy sector
- Implement preferential tax policies for comprehensive resource utilization and the “reverse invoicing” system
- Promote paid treatment mechanisms for bulk solid waste and construction waste
- Regulate export management of secondary resource-based products
- Explore inclusion of secondary material-based products in government and public institution green procurement schemes

STRENGTHENING IMPLEMENTATION AND COORDINATION

Fully recognize the importance and urgency of developing the circular economy in strengthening resource security and accelerating green and low-carbon transformation.

- **Local Governments at All Levels:**
Effectively fulfill their responsibilities, refine targets and tasks, and ensure effective implementation of circular economy policies.
- **Relevant Government Departments:**
Carry out responsibilities according to their mandates, adopt a systematic policy approach, and strengthen coordination and collaboration.
- **National Development and Reform Commission (NDRC):**
Strengthen overall coordination and enhance dynamic monitoring and evaluation of the implementation of the plan.