

PRIME MINISTER

No. 403 QD-TTg

SOCIALIST REPUBLIC OF VIETNAM
Independence - Freedom - Happiness

Hanoi, 20/3/2014

Decision
Approval of National Action Plan
on Green Growth for period 2014 - 2020

PRIME MINISTER

Pursuant to the Law of Government Organization dated December 25, 2001;
Pursuant to the Decision No. 1393/QĐ-TTg dated 25 September 2012 of the Prime Minister approving National Strategy on Green Growth (hereinafter referred to as Green Growth Strategy GGS);
At the proposal of the Minister of Planning and Investment,

DECISION

Article 1. To approve National Action Plan on Green Growth for period 2014-2020 (hereinafter referred to as Green Growth Action Plan), including the following content:

I. MAIN CONTENT OF ACTIVITIES

Green Growth Action Plan include 04 main topics, 12 task groups and 66 activities:

1. Topic 01: Setting up institutions and local green growth plans with 08 activities in 02 task groups as follows:

a) Setting up institutions with 05 activities: from activity no. 01 to activity no. 05 in attached Annex.

b) Developing local green growth plans with 03 activities: from activity no. 06 to activity no. 08 in attached Annex.

2. Topic 02: Reducing the intensity of GHG emissions and promoting the use of clean and renewable sources of energy with 20 activities in 04 task groups as follows:

a) Energy saving, energy efficiency, and reduction of emission intensity of GHG emissions in energy-intensive industries with 08 activities: from activity no. 09 to activity no. 16 in attached Annex.

b) Energy saving, energy efficiency, and reduction of emission intensity of GHG emissions in transportation with 03 activities: from activity no. 17 to activity no. 19 in attached Annex.

c) Cultivation innovation and management improvement for reduction of emission intensity of GHG emissions in the agriculture, forestry and aquaculture with 06 activities: from activity no. 20 to activity no. 25 in attached Annex.

d) Developing clean energy, renewable energy sources with 03 activities: from activity no. 26 to activity no. 28 in attached Annex.

3. Topic 03: Greening production with 25 activities in 04 task groups as follows:

a) Reviewing, proposing for revision of strategies, master plans, action plans and developing the economy restructuring plan in line with green growth with 10 activities: from activity no. 29 to activity no. 38 in attached Annex.

b) Effective and sustainable usage of natural resources and development of green economic sectors with 09 activities: from activity no. 39 to activity no. 47 in attached Annex.

c) Developing sustainable infrastructure with 03 activities: from activity no. 48 to activity no. 50 in attached Annex.

d) Fostering “sustainable enterprises” movement, building capacity and market for supportive technical service and management of green growth with 03 activities: from activity no. 51 to activity no. 53 in attached Annex.

4. Topic 04: Greening life-style and sustainable consumption with 13 activities in 02 task groups as follows:

a) Developing green and sustainable cities with 07 activities: from activity no. 54 to activity no. 60 in attached Annex.

b) Promoting green life-style with 06 activities: from activity no. 61 to activity no. 66 in attached Annex.

II. PRIORITY ACTIVITIES

Activities related to institutional improvement and restructuring shall be given priority in resource allocation and implementation for the period from end 2013 to 2015.

14 activities in institutional improvement area include activities No. 01, 02, 03, 04, 06, 09, 16, 26, 28, 39, 40, 41, 42 and 47 in attached Annex.

07 activities in restructuring area include activities from no. 29 to no. 35 in attached Annex.

III. IMPLEMENTATION MEASURES

1. Activities in Green Growth Action Plan shall be implemented consistently and in line with the following areas: awareness rising, institutional improvement; restructuring of economic sectors, regions, and enterprises, and technology innovation.

2. Ministries, sectors, regions, People’s Committee of Cities and Provinces, and related authorities responsible for collaborating activities in Green Growth Action Plan shall put forward implementation measures for the period 2014-2020.

3. Regarding funding sources for activities, Ministries, sectors, regions under their functions and authorities shall be responsible for mobilizing, managing funding sources from state budget, central and local budget, state enterprises, private enterprises, community and international organizations.

The State shall prioritize and allocate appropriate fund from the central and local budget to implement Green Growth Action Plan, especially for improving energy efficiency and developing renewable energy.

The State shall establish regulatory framework to encourage financial institutions and enterprises to invest in implementing activities in Green Growth Action Plan.

IV. IMPLEMENTATION

1. Green Growth Coordinating Board under the National Committee on Climate Change is the national coordinating agency responsible for consolidating action plans of Ministries, sectors, regions; Collaborating with Ministry of Planning and Investment, Ministry of Finance,

Ministry of Natural Resource and Environment to make resource allocation plans; monitoring and supervising over, and reporting on the implementation of Green Growth Strategy and Green Growth Action Plan.

2. Ministry of Planning and Investment is the leading agency in green growth, responsible for coordinating, Collaborating with related Ministries, sectors and People's Committee of Cities and Provinces to organize the implementation of Green Growth Action Plan; providing guidance, supervising over, assessing on, checking, and summarizing the implementation status; coordinating, Collaborating with Ministry of Finance and related Ministries to identify and allocate local funding sources and coordinating foreign funding sources, policies and mechanism to foster the implementation of Green Growth Strategy.

3. Ministries, sectors, People's Committee of cities, provinces, regions, State Bank of Vietnam, Vietnam Chamber of Commerce and Industry are responsible for leading and collaborating to implement activities in Annex 1. Detailed task allocation is defined as below:

Ministry of Planning and Investment is responsible for leading and collaborating to implement activities No. 01, 05, 07 and 29.

Ministry of Industry and Trade is responsible for leading and collaborating to implement activities No. 09, 10, 11, 13, 14, 15, 16, 26, 30, 41, 43, 45, 46, 49 and 62.

Ministry of Agriculture and Rural Development is responsible for leading and collaborating to implement activities No. 20, 21, 22, 24, 25, 31, 40 and 50.

Ministry of Natural Resource and Environment is responsible for leading and collaborating to implement activities No. 04, 28, 34, 39, 42 and 47.

Ministry of Science and Technology is responsible for leading and collaborating to implement activities No. 12, 27, 35 and 36.

Ministry of Finance is responsible for leading and collaborating to implement activities No. 03 and 64.

Ministry of National Defense is responsible for leading and collaborating to implement activity no. 08.

Ministry of Culture, Sports, and Tourism is responsible for leading and collaborating to implement activities No. 44 and 61.

Green Growth Coordinating Board under National Committee on Climate Change is responsible for leading and collaborating to implement activity no. 02.

People's Committee of Cities and Provinces is responsible for leading and collaborating to implement activities No. 06, 19, 23, 55, 60, 63 and 65.

People's Committee of Cities under central Government is responsible for leading and collaborating to implement activity no. 59.

Vietnam Chamber of Commerce and Industry is responsible for leading and collaborating to implement activities No. 51, 52 and 53.

Ministry of Transportation is responsible for leading and collaborating to implement activities No. 17, 18, 32 and 48.

Ministry of Construction is responsible for leading and collaborating to implement activities No. 33, 54, 56, 57 and 58.

Ministry of Labour, Invalids and Social Affairs is responsible for leading and collaborating to implement activity no. 38.

State Bank of Vietnam is responsible for leading and collaborating to implement activity no. 37.

Ministry of Information and Communications is responsible for leading and Collaborating to implement activity no. 66.

4. Based on the approved Green Growth Action Plan, Ministries, sectors, regions, enterprise associations, and related authorities develop plans, projects, and cost estimate to submit to competent authorities for approval as a basis for budget allocation in line with the state budget law. The cost estimate must clearly define which plans, projects are under regular duties and functions and are subject to be implemented from the budget allocated annually for Ministries, sectors.

5. Ministries, sectors, regions and related authorities shall periodically report the implementation status of Green Growth Action Plan to submit to Green Growth Coordinating Board, Ministry of Planning and Investment for compiling and reporting to the Prime Minister and National Committee on Climate Change before 31 October annually.

Article 2. This decision is effective from the signing date.

Article 3. Ministers, heads of ministerial level agencies, Heads of Government's agencies, Presidents of People's Committees of Provinces, Cities under central Government are responsible for implementing this decision./.

To:

- Department of the Party Secretary;
- The Prime Minister, Deputy Prime Ministers;
- Ministries, Agencies equal to Ministries, Government's agencies;
- State bank of Vietnam, Vietnam Chamber of Commerce and Industry;
- People's Councils, People's Committees of municipalities;
- Office of the Party;
- Office of the General Secretary;
- President Office;
- Ethnic Council and National Assembly's Committees;
- National Assembly's Office;
- People's Supreme Court;
- People's Supreme Procuracy;
- Central Offices of Unions;
- Office of National Committee for Green Growth;
- Office of Government: BTCN, PCN, TTCP Deputy, e-Gov portal; Department: TH, KTTH, QHQT, KGVX, ĐP, NC, TKBT;
- Paper archives, KTTH (3 copies).

**For. Prime Minister
Vice Minister**

Hoang Trung Hai

Annex ACTIVITIES IN GREEN GROWTH ACTION PLAN 2014-2020

(Attachment with Decision No. 403 /QĐ-TTg dated 20/3/2014 of the Prime Minister)

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
1	Organize Coordinating Board to implement Green Growth Strategy/ Institutional improvement/ 2013-2015/ High.	<ul style="list-style-type: none"> - Establish Coordinating Board for implementing Green Growth Strategy under the National Committee on Climate Change. - Formulate and approve Operation Charter and 5-year and annual working plan. - Organize the coordination of implementation and making periodical, annual and 5-year reports. 	Ministry of Planning and Investment/ Ministries, People's Committee of cities, provinces.	State budget: <input checked="" type="checkbox"/> Within operational expenditure of the National Committee on Climate Change. International Technical Assistance: <input checked="" type="checkbox"/>
2	Improve institutional framework to stimulate economic reform that support Green Growth Strategy/ Institutional improvement 2013-2014/ High.	<ul style="list-style-type: none"> - Review legal regulations and national strategies to find out articles that are not appropriate with the Green Growth Strategy and propose roadmap for improving institutional framework. - Improve apparatus of state organization and management to enhance the coordination among agencies and organizations in implementing Green Growth and Sustainable Development Strategy. - Propose and approve the Project of formulating institutional mechanisms for mobilizing and managing resources (finance, human resource) for green growth towards 2020. - Building criteria frame for specifying green growth programs and projects. - Building framework for monitoring, evaluating, reporting the implementation of Green Growth Strategy. 	Coordinating Board of Green Growth Strategy Implementation under National Committee on Climate Change/ Ministry of Planning and Investment, Ministry of Justice, Ministry of Internal Affair, Ministry of Finance.	State budget: <input checked="" type="checkbox"/> Within operational expenditure of the National Committee on Climate Change. International Technical Assistance: <input checked="" type="checkbox"/>
3	Formulate the green growth financial policy framework/ Institutional improvement/	<ul style="list-style-type: none"> - Formulate policy framework for distributing and managing state budget to support the implementation of Green Growth Strategy. - Formulate financial policy framework (including taxes, fit-in-tariffs, subsidies, funds, sanctions, green growth and 	Ministry of Finance/ Ministry of Planning and Investment, Ministry of Natural Resource and Environment.	State budget: <input checked="" type="checkbox"/> International Technical Assistance: <input checked="" type="checkbox"/>

¹ Include 04 main areas: (1) Awareness Raising; (2) Institutional Improvement; (3) Restructure of economic sectors, regions and enterprises; and (4) Technology Innovation.

² Nguồn lực đã có kế hoạch phân bổ; Nguồn lực có thể có kế hoạch phân bổ; Chưa có nguồn

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	2013-2014/ High.	sustainable development criteria for listed companies on stock exchanges) to stimulate the implementation of Green Growth Strategy.		
4	Raising awareness and involving wide participation of all people in implementation of Green Growth Strategy/ Awareness Raising/ 2013-2015/ High.	<ul style="list-style-type: none"> - Organize communication and awareness raising activities on green growth in organizations, public agencies and civil societies representing communities. - Mainstream green growth into on-the-job training curricula for officials at all levels. - Promote community campaigns in greening production and greening lifestyle. - Guide and support to develop a network of technical advice associations, non-governmental organizations related to green growth stimulation. 	Ministry of Natural Resource and Environment/ Ministry of Education and Training, Ministry of Information and Communications, Central and local communication agencies (news paper, radio, media), Vietnam Union of Science and Technology Associations, Vietnam Youth Union, Vietnam Women Union, Vietnam Labour Union, People's Committee of provinces, cities under central government, Vietnam Chamber of Commerce and Industry, Other unions and associations relating to green growth and sustainable development.	State budget: <input checked="" type="checkbox"/> Chương trình hỗ trợ ứng phó với BĐKH. Community resources: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>
5	Participate international activities of promoting and sharing green growth experiences/ Institutional improvement, Awareness Raising/ 2013-2020.	<ul style="list-style-type: none"> - Discuss and sign international cooperation agreements on implementation of green growth strategy. - Participate internationally important conferences, workshops to promote green growth implementation. - Organize activities to share experiences with other countries in green growth implementation. - Establish international cooperation mechanism for clean technology transfer and human resources development for green growth and sustainable development. 	Ministry of Planning and Investment/ Ministry of Foreign Affairs, Ministry of Science and Technology, Ministry of Industry and Trade, Ministry of Agriculture and Rural Development, People's Committee of provinces, cities, Vietnam Chamber of Commerce and Industry, Vietnam Union of Science and Technology Associations, Vietnam Labour Union.	State budget: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>
6	Formulate green growth action plans in some provinces and cities. Lesson learnt and	<ul style="list-style-type: none"> - Formulate guidelines to mainstream green growth into socio-economic development plans of industries and provinces. - Guide to formulate green growth implementation action plans in some typical provinces, cities in large regions. 	People's Committee of provinces, cities/	State budget: <input checked="" type="checkbox"/> International Technical Assistance: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	dissemination/ Institutional Improvement, Awareness Raising/ 2013-2015/ High.	- Summarize lesson learnt. Disseminate and share experience among provinces.		
7	Pilot some green growth models/ Institutional improvement, Awareness Raising/ 2015-2020.	- Project and pilot some small scale green growth models in some typical provinces and cities in large regions. - Summarize lesson learnt. Disseminate and share experience among provinces	Ministry of Planning and Investment/ People's Committee of provinces, cities	State budget: ✓ Community resources: ✓ International Technical Assistance: □
8	Implement green growth models in the border and coastal zones as well as islands./ Restructure/ 2015-2020.	- Reviewing and continuing to invest in projects for solar and wind energy, sea water filtering, clean water supply and waste water treatment for residents in the border and coastal zones as well as islands. - Realizing forestation and forest protection projects in the borders, mangrove forests and islands.	Ministry of National Defense/ Ministry of Planning and Investment, Ministry of Natural Resource and Environment.	State budget <input checked="" type="checkbox"/> . Community resources: ✓ International Technical Assistance: □
9	Review and revise national energy strategy toward Green Growth Strategy/ Institutional improvement/ End of 2013-2015/ High.	- Review 5-year implementation of "the National Strategy on Energy Development towards 2020 with the vision to 2050", reviewing and adjusting the energy structure to attain the energy safety in the context of global economic crisis and climate change. - Formulate the Implementation Plan of the National Energy Strategy for the period 2014-2020 and policies for systematic development of energy sources; efficient exploitation and use domestic energy sources; reducing the dependence on imported oil products; gradually reducing the volume of exported coal and importing an appropriate amount of coal; connecting with the energy networks of neighboring countries.	Ministry of Industry and Trade/ Ministry of Planning and Investment, Ministry of Science and Technology, Ministry of Finance, Vietnam Energy Association, Vietnam Academy of Science and Technology.	State budget: <input checked="" type="checkbox"/> .
10	Complete the legal framework for efficient and effective use of energy/ Institutional improvement/ 2014-2020.	- Continue to complete the legal framework for efficient and effective use of energy in industrial production, management of construction works, households activities and equipment that consuming energy. - Complete legal framework to manage electricity demand. - Establish and apply state management policies and tools to decrease the fossil fuel usage, encouraging switching to clean and renewable energy. Reducing actual implementation time of the roadmap for removing subsidy for production and	Ministry of Industry and Trade/ Ministry of Planning and Investment, Ministry of Transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, Ministry of Finance, Vietnam Chamber of Commerce and Industry,	State budget: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
11	Improve people's awareness on efficient and effective use of energy/ Awareness Raising/ 2013-2020.	consumption that require fossil fuels. - Strengthen communication and awareness raising activities towards all the people, agencies, organizations; creating habits to use energy efficiently and effectively as well as protect the environment. - Mainstreaming energy knowledge into training and education curricula.	Vietnam Energy Association. Ministry of Industry and Trade/ Vietnam Chamber of Commerce and Industry, Vietnam Energy Association, Ministry of Education and Training, Ministry of Information and Communications, Voice of Vietnam, Vietnam Television, Vietnam Union of Science and Technology Associations, Vietnam Youth Union, Vietnam Women Union, Vietnam Labour Union, People's Committee of provinces, cities under central government.	State budget: <input checked="" type="checkbox"/> . Community resources: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
12	Develop technologies and techniques for saving energy/ Institutional improvement, Restructure. Technology Innovation/ 2013-2020.	- Formulate and implement policies to facilitate investment and technology for domestic producers to develop and widely use of energy-effective equipment, gradually replace energy-consuming equipment and remove obsolete equipment. - Formulate and issue national standards for quality of energy equipments. - Establish and implement policies to promote rapid development of markets of energy saving technologies.	Ministry of Science and Technology/ Ministry of Industry and Trade, Ministry of Transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, Ministry of Natural Resource and Environment, Vietnam Union of Science and Technology Associations, Vietnam Chamber of Commerce and Industry, Vietnam Energy Association, People's Committee of cities, provinces.	State budget: <input checked="" type="checkbox"/> . Local budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
13	Promulgate minimum energy efficiency standards and Issue energy labels for products/ Institutional improvement, Technology Innovation/ 2013-2020.	- Continue to create and issue energy efficiency standards. - Promote quick implementation of compulsory energy labelling roadmap for households applicants production equipments. - Quickly and strictly apply minimum energy efficiency standards for imported households applicants and products.	Ministry of Industry and Trade/ Ministry of Science and Technology, Ministry of Transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, General Department of Vietnam Customs, Vietnam Energy	State budget: <input checked="" type="checkbox"/> . Enterprise resources: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
			Association, SME Association, Vietnam Cooperative Union, Vietnam Chamber of Commerce and Industry, Vietnam Union of Science and Technology Associations, Vietnam Consumer Protection Association, People's Committee of cities, provinces.	
14	Improve energy efficiency in enterprises in most energy-intensive industries./ Technology Innovation. Institutional improvement/ 2015-2020.	<ul style="list-style-type: none"> - Apply advanced standards and technical norms to improve energy efficiency in production activities in enterprises in most energy-consuming industries (e.g. electricity, cement, steel, fabric). - Replacing coal, oil and petroleum by less carbon fuels such as gas, biomass, biogas) in industry gas and combustion furnace. 	Ministry of Industry and Trade/ Ministry of Science and Technology, Ministry of Transportation, Ministry of Natural Resource and Environment, Vietnam Chamber of Commerce and Industry, Vietnam Energy Association, People's Committee of cities, provinces, industrial, construction, transportation corporations, groups.	Enterprise resources: ✓. International Technical Assistance: ☑.
15	Improve energy efficiency in small and medium enterprises (SMEs)./ Technology Innovation/ 2015-2020.	<ul style="list-style-type: none"> - Support SMEs in production and service sectors to upgrade and innovate their production lines and technologies as well as management to use energy efficiently and effectively. 	Ministry of Industry and Trade/ Ministry of Science and Technology, Ministry of Transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, SME Association, Vietnam Cooperative Union, Vietnam Energy Association, Vietnam Chamber of Commerce and Industry, People's Committee of cities, provinces.	State budget: ☑. Enterprise resources: ☐. International Technical Assistance: ☐.
16	Enhance energy management capacity in industry and construction./ Institutional	<ul style="list-style-type: none"> - Provide training and certificates on energy management and auditing for staffs who work in industrial production as well as construction/building management. 	Ministry of Industry and Trade/ Ministry of Construction, People's Committee of cities, provinces, Vietnam Energy Association,	State budget: ☑. Enterprise resources: ✓. International Technical Assistance: ☐.

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	improvement/ 2013-2015/ High.		Vietnam Chamber of Commerce and Industry.	
17	Restructure to use energy effectively and efficiently in transportation./ Restructure, Institutional improvement, Technology Innovation/ 2014-2020.	<ul style="list-style-type: none"> - Formulate and implement policies on investment, tax and economic instruments to develop diversified transportation network to meet transportation need while maintaining high energy saving and less environment pollution. - Optimize transportation routes and means to improve efficient use of energy, reduce traffic jam. - Realize approved projects on environmental pollution control related to transportation areas, automobile emissions. 	Ministry of Transportation/ Ministry of Planning and Investment, Ministry of Science and Technology, Ministry of Finance, People's Committee of cities, provinces, Vietnam Energy Association, Vietnam Chamber of Commerce and Industry.	State budget: <input checked="" type="checkbox"/> Local budget: <input checked="" type="checkbox"/> Enterprise resources: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/> .
18	Innovate technology to use energy effectively and efficiently in transportation./ Technology Innovation, Institutional improvement/ 2014-2020.	<ul style="list-style-type: none"> - Enhance the application of new technology, usage of renewable energy and less GHG emitted fuels in transportation. - Implement a comprehensive set of management in fuel quality, automobile emission standards and vehicle maintenance. 	Ministry of Transportation/ Ministry of Science and Technology, Ministry of Planning and Investment, Ministry of Finance, Ministry of Natural Resource and Environment, People's Committee of cities, provinces, Vietnam Energy Association, Vietnam Chamber of Commerce and Industry.	State budget: <input checked="" type="checkbox"/> Enterprise resources: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/> .
19	Develop green public transportation./ Technology Innovation, Restructure/ 2014-2020.	<ul style="list-style-type: none"> - Invest in development of clean and efficient public transportation means. - Encourage all economic sectors to develop and use high quality public transportation services. 	People's Committee of provinces, cities/ Ministry of Transportation, Ministry of Planning and Investment, Ministry of Finance, Local transportation association.	State budget: <input checked="" type="checkbox"/> Local budget: <input checked="" type="checkbox"/> Enterprise resources: <input checked="" type="checkbox"/> International Technical Assistance: <input checked="" type="checkbox"/> .
20	Apply organic cultivation approach to reduce GHG emission./ Technology Innovation/ 2013-2020.	<ul style="list-style-type: none"> - Use early-maturing high-capacity rice varieties to reduce GHG emission. - Study and disseminate sustainably organic cultivation approach. - Apply high water saving irrigation procedures in production of rice and other plants, appropriate use of seedlings, fertilizers and feeding foods to increase the competitiveness of agricultural production and reduction of GHG emission. - Apply organic compost in cultivating rice and other plants. 	Ministry of Agriculture and Rural Development (Vietnam Academy of Agriculture Science)/ Ministry of Science and Technology, Ministry of Natural Resource and Environment, Ministry of Planning and Investment, Ministry of Finance, People's Committee of	State budget: <input checked="" type="checkbox"/> Resources of communities and enterprises: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
			cities, provinces, Vietnam Farmer Union.	
21	Reuse and recycle agricultural by-products and waste./ Technology Innovation, Institutional improvement, Restructure/ 2013-2020.	<ul style="list-style-type: none"> - Support to invest in research and application projects which disseminate technologies that can process and recycle agricultural by-products and waste to produce animal feeding foods, plant mushrooms, produce materials for industrial production, bio-gas, bio-char, organic fertilizer. These technologies will support to develop industries of recycling agricultural by-products, improving production value and reducing polluted emission. - Formulate and issue policies that encourage to recycle agricultural by-products and waste. 	Ministry of Agriculture and Rural Development/ Ministry of Science and Technology, Ministry of Natural Resource and Environment, Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
22	Research, widely use high nutritious foods in livestock industry to increase absorption capacity, reduce GHG emission, increase quality of clean livestock products and improve economic efficiency./ Technology Innovation, Institutional improvement, Restructure/ 2013-2020.	<ul style="list-style-type: none"> - R&D for high nutritious foods to increase absorption capacity, reduce time in raising cattle and poultry. - Develop models for using high nutritious foods in raising cattle and poultry. - Educate, improve awareness for community in applying nutritious foods. - Develop and implement encouraging policies for investment, manufacture and use of nutritious foods for livestock industry. 	Ministry of Agriculture and Rural Development (Vietnam Poultry Institute)/ Ministry of Science and Technology, Ministry of Natural Resource and Environment, Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
23	Forest, improve forest quality, and develop sustainable forest resource management./ Restructure, Institutional improvement/ 2013-2020.	<ul style="list-style-type: none"> - Accelerate the progress of forestation and reforestation projects, encourage enterprises to invest in forest business to increase the forest coverage, improving forest quality and increase CO2 absorption capacity of forest and biomass for CO2 storage, assure wood supply for production and consumption. - Develop forest on un-used land and bare hills, mangrove forests, sand and wave defense forests along rivers and coastal zones. - Formulate and implement programs on Reducing Emission from Deforestation and Degradation (REDD+), sustainable forest management in combination with maintaining and diversifying livelihoods of local residents to respond to climate change. 	People's Committee of provinces, cities/ Ministry of Agriculture and Rural Development, Ministry of Natural Resource and Environment, Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces.	Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
		<ul style="list-style-type: none"> - Establish and implement widely policies that involve participation of all economic sectors and the whole society in conservation and sustainable development of forest as well as other natural ecologies. 		
24	Innovate technologies in aquaculture and aqua products exploitation, cultivation and processing./ Technology Innovation, Restructure/ 2014-2020.	<ul style="list-style-type: none"> - Adjust structure of fishing boats to save fuels; Innovate lighting technology in fishing to increase productivity and save energy. - Apply advanced technology in aquaculture to save feeding foods, energy and reduce organic waste discharge. - Apply technology measurements and production organization to reduce pollution in aqua products processing enterprises. - Áp dụng các quy trình nuôi thủy sản tiên tiến để tiết kiệm thức ăn, năng lượng and giảm phát thải chất hữu cơ. 	Ministry of Agriculture and Rural Development (General Department of Aquaculture)/ Ministry of Natural Resource and Environment, Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces.	Resources of communities and enterprises: ✓. International Technical Assistance: □.
25	Improve energy efficiency and reduce pollution in craft villages and non-agricultural production in rural areas./ Technology Innovation, Restructure/ 2014-2020.	<ul style="list-style-type: none"> - Support enterprises and households to innovate technologies and equipment to increase energy efficiency in production in craft villages and production factories in rural areas. - Implement anti-pollution methods; assure labour safety in craft villages and production factories in rural areas. - Must develop non-agricultural sectors and enterprises in rural areas in parallel with building of industrial parks, zones with appropriate infrastructure to limit polluting possibilities. 	Ministry of Agriculture and Rural Development/ Ministry of Natural Resource and Environment, Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces, Vietnam Association of Craft Village.	State budget: <input checked="" type="checkbox"/> Resources of communities and enterprises: ✓. International Technical Assistance: □.
26	Develop and implement clean energy development priority strategy./ Institutional improvement/ 2013-2014/ High.	<ul style="list-style-type: none"> - Review and propose necessary revisions for master plan of hydro electric plant development. - Formulate investment, tax, price policies and other market economy instruments to encourage exploiting and using natural gases. - Issue and supervise the implementation of economic policies to promote manufacturing and consumption of new energy types (solar, wind, tidal, geothermal, biomass, biofuel) - Support to invest and develop domestic machinery manufacturing and service providing industries for new energy. 	Ministry of Industry and Trade/ Ministry of Planning and Investment, Ministry of Science and Technology, Ministry of Natural Resource and Environment, Ministry of Finance, People's Committee of cities, provinces.	State budget: <input checked="" type="checkbox"/> .
27	Support R&D of new energy (solar, wind, tidal, geothermal, biomass, biofuel)/ Technology Innovation, Restructure/ 2014-2020.	<ul style="list-style-type: none"> - Support investigation, research, modeling, and pilot programs on using new and renewable energy. - Protect intellectual rights of inventions of technical improvement initiatives in the area of new and renewable energy to promote renewable technology markets. - Support in purchasing patents and know-how in renewable energy areas. 	Ministry of Science and Technology/ Ministry of Planning and Investment, Ministry of Industry and Trade, Ministry of Agriculture and Rural Development, Ministry of	State budget: <input checked="" type="checkbox"/> . Resources of enterprises: ✓. International Technical Assistance: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
		<ul style="list-style-type: none"> - Grant tax incentives for import of new equipment and technology as well as for manufacturing and circulation of equipment. - Support investment to formulate manufacturing industry for machines and equipment as well as provide local services on renewable energy. 	Natural Resource and Environment, Ministry of Finance, People's Committee of cities, provinces, Vietnam Energy Association.	
28	Improve institutional framework for clean air. Conduct GHG inventory, monitor GHG emission as well as manage GHG mitigation activities/ Institutional improvement/ 2013-2015/ High.	<ul style="list-style-type: none"> - Conduct survey, assess and establish the institutional framework on clean air. - Enhance capacity for administrative officials and formulate database for periodical GHG inventory. - Strengthen coordination among sectors to regularly monitor emission and manage GHG mitigation activities. 	Ministry of Natural Resource and Environment/ Ministry of Science and Technology, Ministry of Industry and Trade, Ministry of Transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, People's Committee of cities, provinces	State budget: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
29	Review and propose necessary revisions for socio-economic development master plan under the light of sustainable development; Formulate economic restructure programs towards green growth for period 2014-2020/ Restructure/ At the end of 2013-2014/ High.	<ul style="list-style-type: none"> - Review the socio-economic development progress in the period 2000-2013 which is considered as "brown growth" under the light of sustainable development. - Review and propose necessary revisions for the socio-economic development master plans of major economic regions, economic zones, economic corridors; adjustments for individual development plans of economic sectors, especially the ones that have great adverse impacts on the environment to assure sector sustainable development, efficient use of natural resources, effective pollution control and waste management. - Establish projects to restructure the economy towards green growth strategy for the period 2014- 2020. 	Ministry of Planning and Investment/ Steering committees of major economic and large scale zones, Ministries and People's Committee of cities, provinces, Party Central Committee Economic Commission, Vietnam Academy of Social Science, Vietnam Academy of Science and Technology.	State budget: <input checked="" type="checkbox"/> .
30	Review and propose necessary revisions for industrial sector development master plans under the light of sustainable development; Formulate policy framework and green growth action plan for	<ul style="list-style-type: none"> - Review the industrial development in the period of 2000-2013 which is considered as "brown growth" under the light of sustainable development. - Review and propose necessary revisions for master plans of sectors and subsectors, especially the ones that create great adverse impact on the environment to assure sustainable development for sectors, efficient use of natural resources, effective pollution control and waste management. - Formulate green growth policy framework and action plan for industrial sectors in the period 2014-2020, including two 	Ministry of Industry and Trade/ Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces, Vietnam Chamber of Commerce and Industry, Associations of industries.	State budget: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	industry sectors in the period 2014-2020/ Restructure/ 2013-2014/ High.	fundamental factors: Reduction of energy consumption rate over GDP and Reduction of emission intensity of GHG emissions in major industries in comparison to the numbers of 2010 (updated from national reports), under two assumptions: with and without international supports.		
31	Review and propose necessary revisions for agriculture, forestry and aquaculture sector development master plans under the light of sustainable development; Formulate policy framework and green growth action plan for agriculture, forestry and aquaculture sectors in the period 2014-2020/ Restructure/ 2013-2014/ High.	<ul style="list-style-type: none"> - Review the development in the period of 2000-2013 of the agriculture, and rural areas under the light of sustainable development. - Review and propose necessary revisions for master plans of sectors and subsectors, especially the ones that create great adverse impact on the environment to assure sustainable development for sectors, efficient use of natural resources, effective pollution control and waste management. - Formulate green growth policy framework and action plan for the agriculture, forestry, aquaculture sector and rural development in the period 2014-2020, including two fundamental factors: Reduction of energy consumption rate over GDP and Reduction of emission intensity of GHG emissions in major industries in comparison to the numbers of 2010 (updated from national reports), under two assumptions: with and without international supports.. - Mainstream green growth actions into agriculture sector development master plan for period 2014 - 2020 	Ministry of Agriculture and Rural Development/ Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces, Associations of agriculture, forestry, and aquaculture.	State budget: <input checked="" type="checkbox"/> .
32	Review and propose necessary revisions for transportation sector development master plans under the light of sustainable development; Formulate policy framework and green growth action plan for transportation sector in the period 2014-2020/ Restructure/ 2013-2014/ High.	<ul style="list-style-type: none"> - Review the transportation development in the period of 2000-2013 under the light of sustainable development. - Review and propose necessary revisions for master plans of sectors and subsectors to assure sustainable development for the sector, efficient use of natural resources, effective pollution control and waste management. - Formulate green growth policy framework and action plan for transportation sector in the period 2014-2020, including two fundamental factors: Reduction of energy consumption rate over GDP and Reduction of emission intensity of GHG emissions in major industries in comparison to the numbers of 2010 (updated from national reports), under two assumptions: with and without international supports. 	Ministry of Transportation/ Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces, Associations of transportation	State budget: <input checked="" type="checkbox"/> Ministries' budget
33	Review and propose	- Review the construction development in the period of 2000-	Ministry of Construction/	State budget: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	necessary revisions for construction sector development master plans under the light of sustainable development; Formulate policy framework and green growth action plan for construction sector in the period 2014-2020/ Restructure/ 2013-2014/ High.	2013 under the light of sustainable development. - Review and propose necessary revisions for master plans of sectors and subsectors to assure sustainable development for the sector, efficient use of natural resources, effective pollution control and waste management. - Formulate green growth policy framework and action plan for construction sector in the period 2014-2020, including two fundamental factors: Reduction of energy consumption rate over GDP and Reduction of emission intensity of GHG emissions in major industries in comparison to the numbers of 2010 (updated from national reports), under two assumptions: with and without international supports.	Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces; and associations and unions of construction, urban planning, space planning and architecture.	
34	Review and propose necessary revisions for natural resources and environment sector development master plans under the light of sustainable development; Formulate policy framework and green growth action plan for natural resources and environment sectors in the period 2014-2020/ Restructure/ 2013-2014/ High.	- Review the natural resources and environment sector development in the period of 2000-2013 which is considered as "brown growth" under the light of sustainable development. - Review and propose necessary revisions for master plans of sectors and subsectors, especially the ones that create great adverse impact on the environment to assure sustainable development for sectors, efficient use of natural resources, effective pollution control and waste management. - Formulate green growth policy framework and action plan for natural resources and environment sectors in the period 2014-2020	Ministry of Natural Resource and Environment/ Ministry of Planning and Investment, Ministry of Finance, People's Committee of cities, provinces, Vietnam Association for Conservation of Nature and Environment, Vietnam Academy of Social Science, Vietnam Academy of Science and Technology,.	State budget: <input checked="" type="checkbox"/> .
35	Review and propose necessary revisions for science and technology sector development master plans under the light of sustainable development; Formulate policy framework and green	- Review the science and technology sector development in the period of 2000-2013 under the light of sustainable development. - Review and propose necessary revisions for development strategies and master plans for research and application units in science and technology areas. - Formulate the restructure project for green growth economic in the period 2014-2020 - Formulate green growth policy framework and action plan for	Ministry of Science and Technology/ Ministry of Planning and Investment, Ministry of Education and Training, People's Committee of cities, provinces, Vietnam Academy of Social Science, Vietnam Academy of Science and	State budget: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	growth action plan for science and technology sectors in the period 2014-2020/ Restructure/ 2013-2014/ High.	science and technology sectors to meet the green growth requirements of the economy in the period 2014-2020.	Technology, Vietnam Union of Science and Technology Associations.	
36	Support and encourage research, implementation and investment of green technology/ Technology Innovation, Institutional improvement/ 2013-2020/	<ul style="list-style-type: none"> - Focus on researching and implementing key green technologies: green energy, materials and construction, transportation, green bio-agri-forestry and chemical technologies and waste treatment. - Implement incentive policies to encourage local and foreign enterprises to invest in green economy, research on localizing green technologies. 	Ministry of Science and Technology/ Ministry of Industry and Trade, Ministry of Transportation, Ministry of Construction, Ministry of Agriculture and Rural Development, Ministry of Natural Resource and Environment, People's Committee of cities, provinces, Vietnam Academy of Science and Technology, Vietnam Union of Science and Technology Associations, and other related associations of industries.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> .
37	Institutional improvement and capacity building in banking and finance activities of commercial banks for green growth/ Institutional improvement, Capacity building/ 2013-2020/	<ul style="list-style-type: none"> - Review, adjust and improve institutional mechanism regarding finance and credit in line with green growth targets. - Organize training in order to improve capacity for commercial banks and financial institutions in green banking and finance. - Develop banking and finance services to support enterprises to implement green growth. 	State Bank of Vietnam/ Ministry of Finance, State Treasury.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
38	Support green job training for labor force/ Capacity building, Institutional improvement/ 2013-2020.	<ul style="list-style-type: none"> - Provide vocational training for green jobs. - Issue policies to motivate the creation of green jobs. 	Ministry of labour, invalids and social affairs/ Ministry of Industry and Trade, Ministry of Transportation, Ministry of Construction, Ministry of Education and Training, People's Committee of	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
			cities, provinces, Vietnam Labour Union.	
39	Protect land from degradation; use efficiently and sustainably land resources/ Institutional improvement/ 2013-2014/ High.	<ul style="list-style-type: none"> - Conduct inventory and reviewing the use of land resources in the period 2000-2013. - Review and assess the compatibility of the current institutional system (legal and organization) with the requirements from green growth. - Establish policy framework and action plan on green usage and development of land resources towards 2020 with vision to 2050. - Study solutions to apply combined agro-forestry aqua-cultivation in different ecological zones to assure for economic effectiveness and environment protection. - Mainstream national policies with international activities against degradation and sustainable use of land. - Propagandise and instruct people to apply protection measures and enrich land resources. 	Ministry of Natural Resource and Environment/ Vietnam Union of Science and Technology Associations, Vietnam Union of Soil Science, Ministry of Planning and Investment, People's Committee of provinces	State budget: <input checked="" type="checkbox"/> Fund from Ministries and provinces. Resources of communities and enterprises: <input checked="" type="checkbox"/> International Technical Assistance: <input checked="" type="checkbox"/> .
40	Sustainable and efficient use of water resources. Institutional improvement/ 2013-2014/ High.	<ul style="list-style-type: none"> - Conducte inventory and reviewing the use of water resources in the period 2000-2013. - Review and assess the compatibility of the current institutional system (legal and organization) with the requirements from green growth. - Establish institutional mechanism to manage integrated river basins, upstream zones, underground waters to protect land and water, development of irrigation system, balancing the ecology and regulating interactions between delta and mountainous regions. - Establish policy framework and action plan on green usage and development of water resources towards 2020 with vision to 2050. - Enhance capacity for local competent authorities at all levels as well as communities in managing and supervising the use of water resources. Strengthen wide participation of water beneficiaries into planning, operating and donating for water infrastructure works. - Enhance capacity for local competent authorities at all levels as well as communities in managing and supervising the use of water resources. Strengthen wide participation of water beneficiaries into planning, operating and donating for water infrastructure works. 	Ministry of Agriculture and Rural Development/ National Council on Water Resources, Ministry of Science and Technology, Vietnam Union of Science and Technology Associations, Ministry of Natural Resource and Environment, Ministry of Planning and Investment, Vietnam Irrigation Association, Vietnam Committee on Large Dams and Water Resources Development.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
		<ul style="list-style-type: none"> - Strengthen international cooperation in using, managing and protecting common water sources between Vietnam and other neighboring countries. 		
41	Sustainable and efficient use of minerals / Institutional improvement/ 2013-2014/ High.	<ul style="list-style-type: none"> - Conduct inventory and reviewing the use of mineral resources in the period 2000-2013. - Review and assess the compatibility of the current institutional system (legal and organization) with the requirements from green growth. - Establish policy framework and action plan on green usage and development of mineral resources towards 2020 with vision to 2050. - Complete the managing system on mineral resources from the central down to local levels. - Build long term master plans on exploitation, usage, import, export, storage and conservation of top key mineral resources for the economy. 	Ministry of Industry and Trade/ Ministry of Natural Resource and Environment, Ministry of Science and Technology, Vietnam Union of Science and Technology Associations, Vietnam Union of Geological Science, Ministry of Planning and Investment.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
42	Encourage and support rapid development of eco-product manufacturing industries/ Restructure, Institutional improvement/ 2013-2014/ High.	<ul style="list-style-type: none"> - Formulate and issue standards for eco-labeled products. Products and services which are considered to be in the list for ecolabeling in the period 2013-2020 include: construction materials; foods; transportation; energy; computer and office equipments; garment and textile; paper and printing; wood products; detergent; health care equipment. - Implement economic preferential policies (land rental, credit, tax) for production and consumption of ecolabeled products. Prioritize investment for R&D, purchasing property rights for eco technologies and ecoproducts. - Formulate and issue special policies for technical and economic assistance as well as promote all enterprises and individuals to apply hi-tech to market and develop some traditionally green products that Vietnam gets strength such as medical herbs, eco agro-forestry aquaculture, foods, craft products, goods and textiles made from local materials. 	Ministry of Natural Resource and Environment/ Ministry of Industry and Trade, Ministry of Planning and Investment, Ministry of Agriculture and Rural Development, People's Committee of cities, provinces, Vietnam Union of Science and Technology Associations, Vietnam Chamber of Commerce and Industry, Vietnam Cooperative Alliance, and other associations of industries.	State budget: <input checked="" type="checkbox"/> .
43	Popularly apply cleaner production methodologies in industry / Technology innovation, Institutional improvement/ 2013-2020.	<ul style="list-style-type: none"> - Propagate, raise awareness about applying cleaner production for industrial enterprises and related subjects, until 2020, 90% of enterprises is aware of cleaner production. - Technical support for cleaner production at industrial enterprises; until 2020, 50% of enterprises apply cleaner production methodologies. - Improve capacity in implementing, consulting, guiding the application of cleaner production for enterprises, state 	Ministry of Industry and Trade/ Ministry of Science and Technology, People's Committee of cities, provinces, Vietnam Chamber of Commerce and Industry, Industry Associations.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
		governance officers and technical support agencies. - Institutional improvement for promoting cleaner production in industry.		
44	Develop eco-tourism / Restructure, Institutional improvement/ 2013-2020.	- Complete institutional mechanism, promote investment, developing human resources for ecotourism development to generate jobs and increase people's income while improve landscape and environment quality in provinces.	Ministry of Culture, Sports and Tourism/ Ministry of Planning and Investment, Ministry of Agriculture and Rural Development, People's Committee of cities, provinces, Vietnam Tourism Association	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
45	Promote reuse and recycle waste in the country / Restructure, Institutional improvement/ 2013-2020.	- Establish and issue Recycle Law, consider in-country waste as resources, aiming at minimizing waste discharge treatment in the landfill. - Issue policies to promote the development of modern and environmental friendly recycling industries. - Provide technical and financial assistance to modernize recycling activities in craft villages. By 2020, all backward technologies which are harmful to workers' health and polluted in those villages will be removed. - Apply technologies to classify and recycle waste into energy, construction materials and bio-fertilizer in industrial zones and new urban areas.	Ministry of Industry and Trade/ Ministry of Natural Resource and Environment, Ministry of Science and Technology, Ministry of Construction, People's Committee of provinces and cities.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
46	Promote the production of environment goods and services / Restructure, Institutional improvement/ 2013-2020.	- Make plans for anti-pollution production and services, environment restoration and improvement, generate more jobs in urban and rural areas. - Improve institutional mechanism to shift environmental production and services from public sector with subsidy to dynamic market based activities with more efficiency. - Localities formulate policies giving priority and support to the development of green economic sectors, integrated into other development and poverty reduction programs, improve landscape and environment quality.	Ministry of Industry and Trade/ Ministry of Natural Resource and Environment, Ministry of Science and Technology, Ministry of Construction, Ministry of Agriculture and Rural Development, People's Committee of provinces and cities.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
47	Restoration and development of natural capital resources / Institutional improvement/	- Study and issue economic and financial mechanisms/policies to restore and develop natural capital resources; encourage the involvement of all sectors to invest in ecoinfrastructure, conservation areas and restoration of degraded ecologies. - Formulate and implement long term master plans on	Ministry of Natural Resource and Environment/ Ministry of Science and Technology, Ministry of Planning and Investment,	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	2013-2015/ High.	exploitation, usage, storage and conservation of national top important resources. - Apply integrated management approach and strengthen managing bodies for river basins and ecologies. - Formulate green accounts through valuation of natural capital resources. - Strengthen monitor biodiversity and eco-services	Ministry of Finance, People's Committee of provinces and cities.	
48	Transportation infrastructure improvement and development towards sustainability/ Restructure, Technology innovation/ 2013-2020.	- Strengthen investment to upgrade transportation network for water, rail and express ways on the basis of energy saving with high economic and environmental efficiency and climate resilience to meet the socioeconomic development. - Develop transportation network with focuses, linking with economic centers and large scale production through investment in public transport with modern technology and technique	Ministry of Transportation/ Ministry of Planning and Investment, Ministry of Science and Technology, People's Committee of provinces and cities.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input type="checkbox"/> .
49	Energy infrastructure improvement towards sustainability/ Technology innovation/ 2013-2020.	- Develop electricity sources to ensure adequate supply for domestic demand, improve transmission network and promote efficient use - Innovate technologies in production, transmission and improve effective use of electricity to reduce electricity elasticity/GDP from the current 2.0 to 1.0 by 2020 - Apply modern technologies to improve quality of transmission, to reduce electricity loss, aiming at development of smart grids.	Ministry of Industry and Trade/ Ministry of Planning and Investment, Ministry of Science and Technology, People's Committee of provinces and cities.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
50	Irrigation infrastructure improvement and development towards sustainability / Technology innovation, Institutional improvement/ 2013-2020.	- Improve dyke system to assure for the safety of socioeconomic activities, households, transportation to respond to climate change, natural disaster and sea-level rise - Increase investment in irrigation system with modern regulating devices to well regulate, supply and protect water resources - Improve productivity of pumping stations; take full advantages of natural flowing irrigation to save energy for pumping. - Improve capacity and renovate institution to sustainably manage water resources	Ministry of Agriculture and Rural Development/ Ministry of Natural Resource and Environment, Ministry of Planning and Investment, Ministry of Finance, People's Committee of provinces and cities.	State budget: <input checked="" type="checkbox"/> . Resources of communities and enterprises: <input checked="" type="checkbox"/> . International Technical Assistance: <input checked="" type="checkbox"/> .
51	Large-scale implementation of the campaign "Enterprise	- Include "enterprise with sustainable development" standards in the system for transparent evaluation of enterprises' performance and social responsibility.	Vietnam Chamber of Commerce and Industry/ Ministry of Planning and	State budget: <input checked="" type="checkbox"/> Resources of communities and enterprises: <input checked="" type="checkbox"/> .

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	achievement of sustainable development standards"/ Institutional improvement, Capacity building/ 2013-2020.	<ul style="list-style-type: none"> - Establish and promote the culture of “enterprise with sustainable development” in the nation-wide enterprises. - Improve awareness of managerial people of enterprises and consulting organizations on corporate sustainable development standards 	Investment, Ministry of Industry and Trade, Vietnam Cooperative Union, and other associations of industries.	International Technical Assistance: <input type="checkbox"/> .
52	Build technical consultancy and management capacity of green growth; stimulate consultant activities, support enterprises to apply cleaner production, green-enterprise models; promote to form a network of technical service organizations and market for green growth/ Institutional improvement/ 2013-2020.	<ul style="list-style-type: none"> - Encourage associations of industries to formulate action plan for green growth and green production. - Research and propose policies to develop consultant and promotion businesses for application of cleaner production and green standards. - Propose policies to promote market of technical consultant services and management solutions for green growth. 	Vietnam Chamber of Commerce and Industry/ Ministry of Planning and Investment, Ministry of Industry and Trade, Vietnam Cooperative Union, and other associations of industries.	State budget: <input checked="" type="checkbox"/> Resources of communities and enterprises: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>
53	Raise awareness of enterprises and disseminate international and local experiences of green growth/ Awareness Raising/ 2013-2020	<ul style="list-style-type: none"> - Propagate, raise awareness about green growth for major groups in enterprises: managers, team leaders, technicians, workers, and union members. - Conduct activities to disseminate green growth techniques and management experience among enterprises from different types of scales, industries, and sectors. - Organize activities to share international experience in green growth. 	Vietnam Chamber of Commerce and Industry/ Vietnam Cooperative Union, other associations of industries, Vietnam Television, Voice of Vietnam.	State budget: <input checked="" type="checkbox"/> Resources of communities and enterprises: <input checked="" type="checkbox"/> International Technical Assistance: <input type="checkbox"/>
54	Review and propose necessary revisions for urban master planning and formulate urban innovation plans in accordance with urban sustainable standards/ Institutional	<ul style="list-style-type: none"> - Review and propose necessary revisions for urban master planning in accordance with sustainable urban approach. - Formulate renovation programs to ensure that all selected cities achieve at least the average level of the Green City Index by 2020. - Guide to formulate pilot action plans for building green urban cities in some urban tourism cities (Sapa, Hue, Hoi An, Vung Tau, Da Lat). Consolidate and disseminate lessons learnt. 	Ministry of Construction/ People’s Committee of provinces, cities.	Local budget, resources of communities and enterprises.

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	improvement/ 2013-2020.			
55	Improve technical infrastructure in selected urban areas toward sustainability/ Technology Innovation/ 2013-2020.	- Select and formulate plan for investment to improve technical infrastructure of some key international trade points, tourism centers, severely downgraded old urban areas to enhance the quality of houses, energy supply, transportation, water supply and sewerage and environmental landscape.	People's Committee of provinces, cities/ Ministry of Construction, Ministry of Planning and Investment, Ministry of Finance.	State budget and Local budget: ✓. Resources of communities and enterprises: ✓.
56	Renovate construction techniques and technology towards greening orientation/ Technology Innovation, Institutional improvement/ 2013-2020.	- Research and promulgate standards on urban planning, urban architecture, environment-friendly green materials and construction measures, energy savings, green house gas minimization, and appropriate technological solutions for urban waste treatment. - Promulgate regulations on compulsory application of common green building measures in state-funded constructions, new commercial buildings and renovations of existing living quarters in urban areas.	Ministry of Construction/ Ministry of Finance, People's Committee of cities, provinces.	State budget and Local budget: ✓. Resources of communities and enterprises: ✓.
57	Encourage the development of green construction material industry and green construction/ Institutional improvement, Restructure, Technology Innovation/ 2013-2020.	- Promulgate policies, technical and economic instruments to promote and support enterprises to produce materials, equipments for construction with green technology.	Ministry of Construction/ Ministry of Planning and Investment, Ministry of Finance	Resources of communities and enterprises: ✓.
58	Utilize economically and efficiently energy in building construction and operation/ Institutional improvement, Technology Innovation/ 2013-2020.	- Enforce the Vietnam Construction Codes for "efficient and effective energy use in all construction works" for 100% of new or renovated buildings which are fall under scope of implementation of the Code. - Implement regular management of efficient and effective energy use in all buildings. - Carry out campaigns for energy saving "green construction" in organizations and enterprises nationwide.	Ministry of Construction/ Ministry of Planning and Investment, Ministry of Finance, Ministry of Science and Technology, Ministry of Natural Resource and Environment, People's Committee of cities, provinces.	State budget: ✓. National Energy Efficiency Programme (VNEEP). Resources of enterprise and consumer: ✓.
59	Improve transportation infrastructure in municipalities under the light of sustainable development/	- Invest in renovation and development of transportation infrastructure systems in the municipalities to achieve the average level of development of the advanced countries in the region. - Use technical and economic instruments to control quantity of	People's Committee of Municipalities/ Ministry of Transportation, Ministry of Planning and Investment, Ministry of Finance.	State budget: ✓. Resources of communities and enterprises: ✓.

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
	Restructure/ 2013-2020.	personal motorized vehicles. - Arrange separate routes for non-motorized vehicles.		
60	Green urban landscape/ Restructure, Awareness Raising/ 2013-2020.	<ul style="list-style-type: none"> - Prioritize allocation of public land resources for rapid expansion of green spaces and water surface in urban areas, achieving standards of green area per capita as specified for each city category. - Promote investment and institutional improvement to protect and develop public green spaces and encourage communities, enterprises and households to implement urban landscape greening solutions. 	People's Committee of provinces, cities/ Ministry of Natural Resource and Environment, Voice of Vietnam, Vietnam Television, Vietnam Youth Union, Vietnam Women Union, Vietnam Labour Union, Vietnam Elder Association, and other community unions.	Local budget: <input checked="" type="checkbox"/> Resources of communities and enterprises: ✓.
61	Implement campaigns for "green lifestyle"/ Awareness Raising, Institutional improvement/ 2013-2020.	<ul style="list-style-type: none"> - Organize diversified communication activities to raise awareness of community groups about green lifestyle (groups of elder, women, youth, worker, office staff...). - Apply standards of civilized lifestyle, saving natural resources consumption, environmental friendly consumption in the system of social values for human evaluation. - Promulgate and enforce legal regulations on implementation of civilized lifestyle and environment protection. - Disseminate campaign of 3T (Tiet kiem – Saving, Tai che – Recycle, Tai su dung – Reuse) in communities. - Propagate to encourage people to select appropriate means of transportation, stimulate use of bicycle for short distance in stead of automobile vehicles; focusing on the youth as early adapters. - Stimulate community organizations and units to conduct campaigns of greening houses, residential areas and working places. 	Ministry of Culture, Sports, and Tourism/ People's Committee of provinces, cities, Ministry of Education and Training, Vietnam Television, Voice of Vietnam, Central and local communication agencies , Vietnam Youth Union, Vietnam Women Union, Vietnam Labour Union, and other community unions.	Local budget: ✓. Resources of communities and enterprises: ✓.
62	Implement campaign to foster models of "energy saving in each household"/ Awareness Raising, Technology Innovation/ 2013-2020.	<ul style="list-style-type: none"> - Set up propaganda for enhancement of people's knowledge on energy saving in everyday life. - Mobilize community groups to participate in propaganda and application of energy saving measures. 	Ministry of Industry and Trade/ Ministry of Natural Resource and Environment, Ministry of Agriculture and Rural Development, Ministry of Science and Technology, Vietnam Electricity, People's Committee of cities, provinces, Central and local communication agencies Vietnam Union of Science and	State budget: <input checked="" type="checkbox"/> National Energy Efficiency Programme (VNEEP). Resources of communities and enterprises: ✓.

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
			Technology Associations, Vietnam Youth Union, Vietnam Women Union, Vietnam Labour Union, and other community unions.	
63	Development of new rural models with lifestyle in harmony with natural environment/ Institutional improvement, Technology Innovation, Restructure/ 2013-2020.	<ul style="list-style-type: none"> - Plan to develop rural models in accordance with good living standards, building and protecting green, clean, wealthy, civilized landscape and environment. Replicate models of ecological houses and villages which are appropriate to climate conditions, local customs and traditions, lifestyle in different ethnic groups and regions. - Support the develop ecologically closed-cyclic production models in rural areas, including effective waste treatment model in craft villages. Ensure to collect and process most of rural waste in accordance with environmental standards; classify and recycle rural waste as inputs for generating energy, producing organic fertilizer and construction materials by the end of 2020. - Implement the activities in the National Strategy on water supply and rural sanitary towards 2020. - Provide solutions for economic and civilization constructions to pro-actively respond to climate change and prevent the negative impacts of natural disaster. - Improve fuel structure in rural areas to reduce pollution emission and increase living conditions for rural residence. Stimulate and support rural households to widely use renewable energy sources. 	People's Committee of provinces, cities/ Ministry of Agriculture and Rural Development, Ministry of Natural Resource and Environment, Ministry of Construction, Ministry of Health, Vietnam Farmer Union.	Local budget: ✓. Resources of communities and enterprises: ✓.
64	Apply green standards in public expenditure/ Institutional improvement/ 2013-2020.	<ul style="list-style-type: none"> - Issue regulations on green public expenditure, among which investment and recurrent expenditures of the state budget must prioritize procurement and use of eco-labeled, recyclable goods and commodities. - From 2015, all public investment projects must apply green economy standards: specified by sector structure, energy consumption norms, input materials, product designs, that must be appropriate to ecological conditions with consideration of any potential climate change impacts. - From 2017, all vehicles which are newly purchased by public expenditure will have to meet Euro 4 emission standard; prioritizing vehicles that use clean fuels (electricity, liquefied petroleum gas) and hybrid vehicles. 	Ministry of Finance/ Ministry of Planning and Investment, Ministry of Natural Resource and Environment	State budget: ✓.

Activity no.	Activity name/area ¹ / timeline/priority level	Content of activities	Leading agencies/ Collaborating agencies	Financial resources ²
65	Provide guidance and encourage sustainable consumption initiatives in community/ Institutional improvement, Awareness Raising, Restructure/ 2013-2020.	<ul style="list-style-type: none"> - Implement campaigns of economical consumption (firstly for water, electricity and paper), protection and enrichment of natural resources and social wealth - Apply effective economic tools (special consumption charge, eco-tax and fees) to govern unreasonable consumption behaviors, starting with products that are harmful for health, culture and environment (alcohol, cigarettes, plastic bags, etc). - Monitor production and consumption of safe foods; encourage and provide technical assistance for implementation of ecological production models. - Promote the production of “high quality Vietnamese goods” among enterprises; encourage “Vietnamese people to use Vietnamese goods”. 	People’s Committee of provinces, cities/ Ministry of Finance, Ministry of Industry and Trade, Ministry of Agriculture and Rural Development, Ministry of Natural Resource and Environment, Ministry of Health, Vietnam Consumer Protection Association, Vietnam Chamber of Commerce and Industry.	Local budget: ✓. Resources of communities and enterprises: ✓.
66	Quick expansion of modern information technology application in management and social life/ Institutional improvement, Technology Innovation/ 2013-2020.	<ul style="list-style-type: none"> - Give priority to investment in technical infrastructure and promulgation of incentive policies for enterprises in the IT field in order to quickly expand the application of information technology in management and social life, thus achieving efficient use of energy and resources, reduction in transportation and management cost. - Implement e-government working procedures: using online video conferences, exchanging and providing information, training and education, procurement via Internet. 	Ministry of Information and Communications/ Các cơ quan chính phủ, People’s Committee of cities, provinces, Information Technology and Software Associations, Vietnamese ecommerce companies.	State budget: <input checked="" type="checkbox"/> Resources of communities and enterprises: ✓.