Global Carbon Neutrality with

International Environmental Cooperation Center
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Objective and Role of Establishment

IECC
International Environmental Cooperation Center

A special agency of international cooperation in environment field, a platform expanding the cooperation among countries and driving international development cooperation such as exploring and performing ODA project to accomplish the international reduction target.

Objective of Establishment
Take a lead in Green Recovery for responding to global climate change and win-win.

Main Projects
Survey, study and establish roadmap related to green new deal and carbon neutrality project ODA. Plan and explore project type ODA and international reduction project, and check and supervise entire processes of the project.

Strategically Directed International Environmental Cooperation Center

Vision
- Realize the national interest of global value and win-win by means of cooperation and solidarity.

Goal
- Realize more than 10% achievement of external reduction target through expanding green new deal ODA (Realize more than 10% external reduction through the post-project performing in the filed of water-energy-city).

Strategy

1. Green new deal ODA investigation and study
2. Provide developing country customized style advancing strategy
3. Cooperate with convergence style project exploration
4. Expand the cooperative project with international agency, MDB
5. Strengthen joint ODA advancing with small & mid size enterprises
6. Link to ODA based external reduction project

6 Strategic Tasks

- Green new deal ODA investigation and study
- Provide developing country customized style advancing strategy
- Cooperate with convergence style project exploration
- Expand the cooperative project with international agency, MDB
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For Accomplishing International Reducing Target of Carbon Neutrality

01 Objective and Role of Establishment

Why K-water?

K-water Carbon Neutrality

Climate crisis management
- Establish new management policy in respect of responding to climate crisis
- K-water’s declaration on climate crisis management (November 2020)
- Convert to climate crisis management system such as joining to RE100

Take a lead in Net-Zero
- Realize net-zero in water part and environment friendly water energy activation
  - Realize tap water carbon neutrality through converting to new renewable energy
    - Implementation plan: 2 points on 2020(5%) → 24 points on 2025(56%) → 43 points on 2030(100%)

Global network
- Acquire K-water driven international cooperative network
  - International network such as establishing AWC and AAWC, manpower dispatching
- Take a lead in international cooperation such as cooperative activities linked to international agencies
  - Drive the joint cooperation projects with ADB, IDB, UNESCO and OECD

New renewable energy
- Korean No. 1 in new renewable energy production
- Acquire new renewable energy technology competence such as floating photovoltaic power generation and ocean-water heat
- Possessed the successful cases on residents involving style floating photovoltaic system and ocean-water heat
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For accomplishing International Reducing Target of Carbon Neutrality

Establish roadmap for project implementation

- Operate the cooperative network and advisory committee with think-tank in Korea and suggest the strategic plan for green new deal mid and long term development direction and project exploration
- Develop the carbon neutrality effect analysis tool through connecting/cooperating with international agencies and government in the world, plan and explore the specific projects reflecting the local needs

Target1: Establish roadmap for project implementation

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>Establish, build the foundation</td>
</tr>
<tr>
<td>2023</td>
<td>Project regulation</td>
</tr>
<tr>
<td>2024</td>
<td>Explore main project</td>
</tr>
<tr>
<td>2025</td>
<td>Expand main project on</td>
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</tbody>
</table>

Establish, build the foundation

- Strategy establishment
- Policy study (New renewable)
- Project planning and exploring (Yearly, long term)
- Evaluation system development

3 billion Won project (Demonstrative project 1)

Project regulation

- Project planning (Link with AWC)
- Policy study (SWM)
- Project planning exploration (Yearly, long term)
- Project evaluation and amending

15 billion Won project (Planning task 2, demonstrative project 5)

Explore main project

- Project planning (Link with international agency)
- Policy study (Nexus)
- Project planning exploration (Yearly, long term and territory change)
- ESG based infrastructure project development (Link with international agency)
- Create carbon reduction effect (International reduction target 1%)

50 billion Won project (Planning 5, demonstrative 5 and main 1)

Expand main project on

- Project planning (Interim check)
- Policy study (Part 4)
- Project planning exploration (Yearly, long term and territory change)
- ESG based infrastructure project development (Link with international agency)
- Regulate carbon reduction (International reduction target 3%)

200 billion Won project (Planning 5, demonstrative 5 and main 5)

Major 3 targets of operation
Target 2: Cooperation & Network

- Acquire the network and strengthen strategic partnership with international agencies such as AWC, AAWC, World Bank and UNESCO, NOG, the governments in the world and carbon neutrality expert group.
- Establish the green new deal platform to connect Korean technology, experience, manpower and finance and provide the base to expand the green new deal infrastructure project.
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ODA Development

- Develop reduction type, adaptation type and effectuation model green new deal ODA project
- Start the international cooperation and connect to the project type ODA exploration process

Specify the green new deal ODA project into 3 models of

1. **Reduction type model**
   - Project model based on increasing new renewable energy production amount, power generation facility modernization and efficiency in tap water supply operation
   - Expand new renewable energy

2. **Adaptation type model**
   - Develop the political project model for the people of developing country to acquire the safety and quality of live vulnerable to global climate change
   - Basin consolidated water management and low carbon tap water supply

3. **Effectuation model**
   - Support the green conversion in developing country through water—energy—water front city linking type nexus ODA project model development
   - Knowledge and experience sharing project and nexus convergence project and etc.
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Green new deal ODA project list 2023 (Plan)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Project</th>
<th>Budget</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan, Explore</td>
<td>① Indonesian floating photovoltaic M/P</td>
<td>0.8 billion Won</td>
<td>Reduction type</td>
</tr>
<tr>
<td></td>
<td>② Carbon neutrality tap water and smart water management M/P in North Dabao State in Philippines</td>
<td>0.8 billion Won</td>
<td>Reduction type + Efficiency type</td>
</tr>
<tr>
<td>Project</td>
<td>③ Establish Indonesian carbon neutrality tap water</td>
<td>30 billion Won</td>
<td>Reduction type + Efficiency type</td>
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<tr>
<td></td>
<td>④ Floating photovoltaic in Frette, Cambodia and renovate old water reservoir</td>
<td>8 billion Won</td>
<td>Reduction type + Adaptation type</td>
</tr>
<tr>
<td></td>
<td>⑤ Low carbon smart water management in Kabankalan City, Philippines</td>
<td>8 billion Won</td>
<td>Efficiency type</td>
</tr>
<tr>
<td></td>
<td>⑥ Consolidated water management at basin of Sanke River, Cambodia</td>
<td>6 billion Won</td>
<td>Adaptation type</td>
</tr>
<tr>
<td></td>
<td>⑦ Flood forecast and alarming at Sebanghiyang, Laos (On-going)</td>
<td>6.6 billion Won</td>
<td>Adaptation type (On-going project)</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>60.2 billion Won</td>
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Future for going together

**GREEN** Global platform for Resilience, Economic growth, Equality with Nexus solutions from Korea

Contribute for the developing country to take off as a country of ‘green leading country’ to achieve international society sustainable development target and take responsibility on responding to climate change through supporting the green conversion via green new dal ODA project

- Project type ODA support
- Project perform (Private/Public cooperation)
- Achieve international reduction target

- Green new deal ODA proposal
- Project doing (Local enterprise)
- Achieve international reduction target
Thank you for your kind attention