



Energy sector: Targets and MRV System in NDC of Vietnam

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Contents

- 1. INDC/NDC of Vietnam and revising to NDC2.**
- 2. Contribute of energy sector in NDC and how to achieve?**
- 3. How to MRV for NDC and MRV for energy sector target?**
- 4. Challenges to setting up MRV system by sectorial.**
- 5. What way is suitable for Vietnam?**

1. INDC/NDC of Vietnam and revising to NDC2

➤ INDC/NDC1 of Vietnam

- Target: By 2021-2030, unconditional (8%) and conditional (25%) compare BAU.

+ Energy: 4.4% - 9,8%.

+ Others: 3.6% - 15.2%

- Approach: Top – down.

- Solutions: Adaptation and Mitigation (45 solutions)

+ Energy : 17 (11 & 6).

+ Agriculture : 15 (6 & 9).

+ LULUCF : 09 (5 & 4).

+ Waste : 04 (3 & 4).

➤ Revising NDC1 from 2017 – 2019.

- Target: By 2021-2030, unconditional (>8%) and conditional (25%) compare BAU.

+ Energy: > 4.4% - 9,8%.

+ Others: > 3.6% - 15.2%

- Approach: Top-down **& Bottom-Up.**

- Solutions: Adaptation and Mitigation (> 45 solutions)

+ Energy : >17.

+ Agriculture : \.

+ LULUCF : \.

+ Waste : \.

1. INDC/NDC of Vietnam and revising to NDC2

➤ NDC2.

- Base year: 2010
- Update the acting data up to 2014 and policies up to 2018.
- Approach: **Priority of Bottom-Up.**
 - + Energy: Use TIME model, WB & MoT.
 - + Transport: Use EFFECT model, WB & MoT.
- MRV: Methodology, Kinds Input Data, Source of Data and approach by sectorial base & project base.
- Re-submit: 2020.

2. Contribute of energy sector in NDC and how to achieve?

➤ By the Authorities:

- MoIT.
- MoT.
- MoC.
- MARD.
- MONRE.

➤ By the areas:

➤ **Supply side:**

- + Electricity Generation.
- + Coal Exploitation.
- + Oil and Gas Exploitation.
- + Develop the Renewable Energy.

➤ **Demand side:**

- + Slight Industries.
- + Heavy Industries.
- + Transportation.
- + Buildings and construction.
- + Commercial and other.

2. Contribute of energy sector in NDC and how to achieve?

➤ By the Solutions:

➤ **Energy Efficiency.**

+ All sectors.

➤ **Use Renewable Energy.**

+ Wind.

+ Solar.

+ Biomass.

+ Waste.

...

➤ By the related Policies:

➤ Law on Economical and Efficient Use of Energy (2010).

➤ VNEEP3 (2019 – 2030).

➤ Strategy on RE to 2030, 2050.

➤ APs to implement NDC for each sector (Base on the targets in the legal document, some supported mechanisms and policies for GHGs emitter).

➤ New market mechanisms (Tax, Free, ETS...).

3. How to MRV for NDC and MRV for energy sector targets?

➤ MRV for NDC Target

- In charge by **MONRE**.
- **By the System of National GHGs Inventory of Vietnam (From 2015).**

- + By the General Statistics System.
- + Line Ministries provide the acting data.
- + Approach: Top-Down and Bottom-Up.
- + Data Collection: Statistic Survey.

➤ MRV for Energy Sector Target

➤ **The Law of EE.**

- + MEPS for 6 sectors (Data Collection: Statistic Report).
- + Key energy-using establishment (2497).

➤ **The VNEEP3 (2019 – 2030).**

- + Detail target for all sector.

➤ **The RE Development.**

- + The number of electricity from RE power plants.
- + The value of replacement for fossil fuel by RE (Heat process).
- + The value of bio-fuel (E5) used.
- + The projects, equipment use RE off-grid.

4. Challenges to setting up MRV system by sectorial

➤ The NDC is a Plan of Gov.

- Not legalization yet.
- Not Identify Responsibility in detail.
- Not plan with commitment targets from each sector.

➤ MRV for NDC (Statistic Report)

- National General Statistics not suitable for MRV system under UNFCCC.
- Sectorial General Statistics not enough data for MRV.

➤ Status of MRV

- Still use Statistic Survey.
- Reporting the acting data is not a Legal Responsibility.
- Lack of techniques, tools and resources to set up and operate the MRV system.

➤ MRV for Energy Sector.

➤ The Law of EE.

+ MEPS for 6 sectors: Start to enforce and do by paper report.

+ Key energy-using establishment: Annually, by online and offline report.

=> Overlap and need to synchronize.

➤ The VNEEP3 (2019 – 2030).

+ Detail target for all sector: Start developing a Database System on Energy Information. (MOIT).

➤ The RE Development.

+ Database System on Energy Information.

+ EVN.

+ Statistic Survey.

5. What way is suitable for Vietnam?

- ▶ Identify the Responsibility to implement NDC?
 - ▶ Developed countries: Just provide the encourage policies and promotion mechanism and all emitter will do with high sense of responsibility.
 - ▶ Developing countries: Has to legalization NDC and identify detail targets for each emitter, sector. With the limited awareness, most emitter need more activities to achieve the target with the monitoring from government.
- ▶ Approach to implement NDC?
 - ▶ By every solution identified in the NDC? Like the NAMAs for only one solution and implement in all the sector?
 - ▶ By every sector? Like an Action Plan to Implement NDC, it will harmonize some suitable solutions to implement?
- ▶ Setup MR system?
 - ▶ Statistic Survey or Statistic Report?
 - ▶ Approach by sector or by solution?
- ▶ V system?
 - ▶ To monitoring the target and control or certificate to honor?
 - ▶ To penalize or certificate to bonus?



“We need some advices from all countries”

Thank you for listening!

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