



**Ministry of Industry and Trade**

**Updates**

# **VIETNAM ENERGY EFFICIENCY PROGRAMME FOR THE PERIOD 2019-2030**

**Prime Minister's Decision 280/QĐ-TTg dated 13 March 2019**

**Department of Energy Efficiency and Sustainable Development**

**4/2021**

# Agenda

VNEEP 3 Programme

01

02

Implementation Result 202

Tentative activities in 2021

03

## Overall Objectives

1. Mobilize all national and international resources to promote energy efficiency through the synchronous implementation of state management resolutions, technical assistance, scientific and technological research and product development, market transformation, and mining. Creating and developing human resources in the field of EE.
2. Creating habit of efficiency use of energy in all social activities, reducing energy intensity in industry and economics sectors; energy conservation becomes a regular activity for designated energy users and key economic sectors with high consumption of energy, towards the goal of green growth and sustainable development.



## Specific Objectives

**2019 - 2025**

Reach the goal of saving 5-7% of  
total national energy consumption

**01**



**02**

**2025 - 2030**

Reach the goal of saving 8-10% of  
total national energy consumption



## VNEEP 3

Period to 2025	Period to 2030
<ul style="list-style-type: none"><li>▪ Completing mechanisms, policies and legal regulations on energy efficiency</li><li>▪ Reduce power loss to be low 6,5%</li><li>▪ Reduce average energy consumption in industries compared to period 2015-2018:<ul style="list-style-type: none"><li>▪ Steel 3-10%,</li><li>▪ Chemical&gt; 7%,</li><li>▪ Plastic 18-22.46%,</li><li>▪ Cement&gt; 7.5%,</li><li>▪ Textile Garment&gt; 5%,</li><li>▪ Alcohol and beverage 3-6.88%,</li><li>▪ Paper 8-15.8%</li></ul></li></ul>	<ul style="list-style-type: none"><li>▪ Reduce power loss to under 6%</li><li>▪ Reduce average energy consumption in industries compared to the period 2015-2018:<ul style="list-style-type: none"><li>▪ Steel 5-16.5%,</li><li>▪ Chemical&gt; 10%,</li><li>▪ Plastic 21.55-24.81%,</li><li>▪ Cement&gt; 10, 89%,</li><li>▪ Textile&gt; 6.8%,</li><li>▪ Alcohol and beverages 4.6 - 8.44%,</li><li>▪ Paper 9.9-18.48%.</li></ul></li></ul>



<b>Period to 2025</b>	<b>Period to 2030</b>
<ul style="list-style-type: none"><li>▪ 70% of industrial zones and 50% of industrial clusters have access to and apply energy efficiency solutions</li><li>▪ 100% of designated energy users have applied the energy management system</li><li>▪ 100% of designated transport enterprises have programs to disseminate vehicle control skills and technical solutions towards energy efficiency.</li><li>▪ 80 buildings certified as green building</li></ul>	<ul style="list-style-type: none"><li>▪ 90% of industrial zones and 70% of industrial clusters have access to and apply energy efficiency solutions.</li><li>▪ Reduce 5% of gasoline and oil consumption in the transportation sector</li><li>▪ 150 buildings certified as green building</li><li>▪ Energy labeling 50% of building materials that require insulation.</li></ul>



# CHƯƠNG TRÌNH VNEEP3

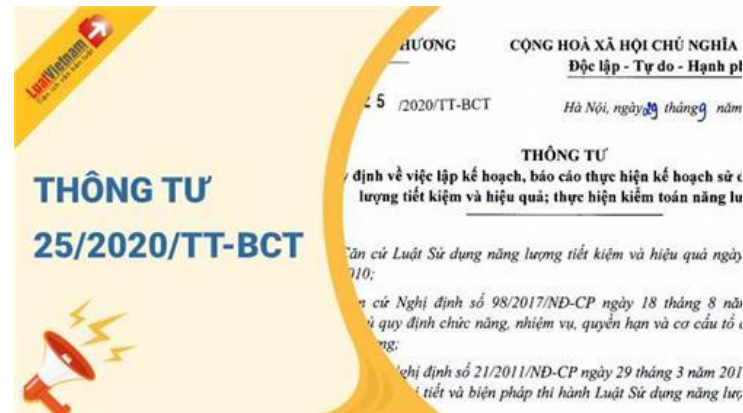
Period to 2025	Period to 2030
<ul style="list-style-type: none"><li>▪ Develop program to convert energy profiles market for at least 5 popular products</li><li>▪ Training and granting certificates to 3,000 energy managers / auditors</li><li>▪ 90% of provinces and cities directly under the Central Government formulate and approve the program on energy efficiency</li><li>▪ Develop a network of energy saving units in at least 50 provinces. Building 1 Viet Nam Energy Information Center</li></ul>	<ul style="list-style-type: none"><li>▪ Training and granting certificates to 5,000 energy efficiency experts and energy auditors</li><li>▪ 100% of provinces and centrally-run cities formulate and approve Energy Efficiency Programme</li></ul>



- (1) Review, develop and complete mechanisms and policies on EE&C
- (2) Provide technical and financial assistance to promote investment, production and business projects on energy efficiency
- (3) Building Vietnam energy data center, databases, applying information technology on energy and energy efficiency
- (4) Strengthening capacity for energy efficiency
- (5) Strengthen inspection, supervision, urge and guide the implementation and evaluation of the results of implementation of law provisions on energy efficiency
- (6) Communication to raise public awareness about energy efficiency
- (7) Strengthening international relations and cooperation in the field of energy efficiency
- (8) Scientific research and technology development on energy efficiency
- (9) Establish a fund to promote energy efficiency



- Completing Circular No. 25/2020 / TT-BCT of the MOIT: Regulations on planning, reporting on the implementation of plans for energy efficiency; implementation of energy audit (Replacing Circular No. 09/2012 / TT-BCT)
- Directive No. 20 / CT-TTg on Enhancing electricity saving in the period 2020 - 2025; Organize training courses on the implementation of Directive No. 20 / CT-TTg of the Prime Minister on enhancing electricity saving in the period 2020 - 2025 for DOITs





## PROGRAMME RESULTS IN 2020

- Develop and submit to the Prime Minister for promulgation Decision No. 1577 / QD-TTg dated 12/10/2020 on the list of designated energy user in 2019
- Coordinate with the Ministry of Finance to develop a Circular guiding the formulation, management and use of funds for the implementation of the National Program on Energy Efficiency for the period 2019-2030 (Expected to be issued in 2021).

**Total number of designated energy users in 2019 is 3,006 including 2,441 industrial production facilities, 15 agricultural production facilities, 84 transportation units and 466 construction works**



## PROGRAMME RESULTS IN 2020

- Develop and submit to the Program Steering Committee a draft Framework Plan for the implementation of the Programme until 2025; Regulation on task management under the Programme
- Organization of training and certification of 305 energy managers
- Trainings for energy auditors
- Develop guidance on energy efficiency testing for vehicles and equipment with energy labels according to Decision 2539 / QĐ-BCT dated 30/9/2020
- Develop and organize the implementation of tasks for 2020
- Develop the Program Implementation Plan for 2021



- Organize competition on EE: Sustainable Energy Management, Energy Saving Products, Solagn and Logo for EE
- Implement communication activities on energy efficiency: 03 reports, 250 articles, newsletters; Conference
- Organizing the National Conference on Energy Efficiency



- Successfully organized the 24th Conference of the EE&C Energy Efficiency Group (ASEAN)
- Jointly organizing the ASEAN Conference on Energy (Viet Nam's ASEAN Chairmanship Year)
- Organization of the Conference EMAK10 - Hanoi
- Participating in international conferences on Energy and Energy Conservation.





# PROGRAMME RESULTS IN 2020

## Sources of international cooperation:

- Study to amend Decree No. 21/2011 / ND-CP detailing and implementing the Law on Energy Efficiency
- Guide provinces and Support 8 provinces to develop local implementation plan of VNEEP3 Program (Approved by People's Committees of 8 provinces)
- Guide provinces to develop plans to implement Directive No. 20 / CT-TTg on Enhancing electricity savings in the period 2020 - 2025
- Coordinate to complete the ASEAN Cooperation Framework on Energy period 2021 - 2025
- Coordinate with International Organizations to develop some Energy Efficiency Project Documents to donors (WB, EU, ADB, KOICA....)
- Organize training on ESCO.



## PROGRAMME RESULTS IN 2020

### Sources of international cooperation:

- Completion of the Project to Promote the Use of Energy Efficient Industrial Boilers (UNIDO – GEF)
- Supporting a number of units participating in ASEAN awards on energy efficiency.
- Communication training on energy efficiency

### Project Promoting use of industrial boilers

The total energy consumption saved is 2,905,368 GJ / year, reducing emissions by 487,866 tons CO<sub>2</sub> / year



# ORIENTATION IN 2021

## Domestic sources

- Completion of policy framework: Decree 21, Circular on Program finance, Circulars on Energy Consumption Quota, ESCO
- Develop technical guidelines
- Supporting provinces to perform local tasks on energy efficiency
- Communication on energy efficiency
- Training on energy managers, energy auditors
- International conference on energy efficiency
- Develop a plan for 2022 implementation of the Program





## ORIENTATION IN 2021

### Domestic sources

- Coordinate with the ASEAN Energy Center to complete the MEPS application roadmap for a number of materials for the energy manager training.



# ORIENTATION IN 2021

## Sources of international cooperation

- Completion of policy framework: Decree 21, Circular on Program finance, Circulars on Energy Consumption Quota, ESCO
- Completion of Project Documents
- Implementation of international cooperation projects on energy efficiency
- Participate in international conference and training activities on energy efficiency

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# Thank you!



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