

MOIT APPROVED ACTION PLAN FOR AMENDED PDP8

Outlining Key Strategies for Electricity Exports and Regional Renewable Energy Hubs

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On 30 May 2025, Ministry of Industry and Trade of Vietnam issued Decision No. 1509 (“**Adjusted PDP-8 Implementation Plan**”), laying down the implementation plan for the Decision No. 768 (“[Revised PDP-8](#)”) of the Prime Minister, dated 15 April 2025.

Goals aligned with Revised PDP-8

- Balanced development of power sources across the regions, ensuring supply-demand parameters.
- Maintaining feasibility, synchronization and flexibility among various power sources/grid development.
- Tracking progress and resources for implementing priority schemes/projects on refining policies and strengthening scientific, technological and human resources capacity of the entire power industry.
- Mobilisation of resources while inviting participation of economic stakeholders for power industry development.
- Promote electricity import from ASEAN and GMS with hydropower potential. Focus on investing and utilizing other sources for supply of power to Vietnam.

Power Sources 2030 - 2035

| Sr. No. | Source | Total Capacity (MW) | Adjusted PDP-8 Implementation Plan – Table No./Appendix No. |
|------------------------------------|---|--|---|
| Prioritised Power Sources | | | |
| 1 | LNG | 22,524 by 2030 | 1/II.1 |
| 2 | Domestic Gas | 14,930 by 2030 | 6/II.1 |
| 3 | Coal | 31,055 by 2030 | 3/II.1 |
| 4 | Co-generation (residual heat and by-products) | 1,404 by 2030 3,204 by 2035 | 5/II.1 |
| 5 | Hydropower | 33,294 – 34,667 | 7/II.1 (medium and large) 8/II.1 (<50MW and connected to 220kV or above) |
| 6 | Pumped storage hydropower | 2,400 – 6,000 | 9/II.1 |
| 7 | Nuclear | 4,000 – 6,400 | 10/II.1 |
| 8 | Onshore Wind (incl. nearshore) | 26,066 – 38,029 | 12 and 13/II.1 |
| 9 | Offshore Wind (domestic supply) | 6,000 by 2030 17,032 by 2035 | 17/II.1 |
| 10 | Solar (incl. concentrated and rooftop), excl. sources falling under Article 10.5 of the Law on Electricity 2024 | 46,459 – 73,416 | 14/II.1 |
| 11 | Biomass | 1,523 – 2,699 | 15/II.1 |
| 12 | Waste-to-Energy | 1,441 – 2,137 | 16/II.1 |
| 13 | Battery Storage (hybrid power sources with a minimum capacity rate of 10% and 2hours storage are prioritised) | 10,000 – 16,300 | 11/II.1 |
| Other Power Sources by 2035 | | | |
| 14 | Flexible | 2,000 – 3,000 | 19/II.1 |
| 15 | Import | 9,360 – 12,100 by 2030 from Laos (Northern region to be the focal point), while from China to be on a reasonable scale | |
| 16 | Export | 400 to Cambodia Expected scale with Singapore, Malaysia and other partners to be 5,000 to 10,000 by 2030, maintaining to 10,000 by 2050 | 19/II.1 |
| 17 | Export Renewable Energy (RE) and New Energy Production | 5,000 – 10,000 (potentially from Central and Southern regions) | |
| 18 | RE to produce Green Hydrogen, Green Ammonia for domestic and export | To reach 15,000 (mainly offshore wind) | |

Plan for Industrial Ecosystem and Energy Services¹

- R&D to build two (02) inter-regional RE industrial and service centers up to 2030:
 - North: Hai Phong, Quang Ninh, Thai Binh,..., consideration open for expanding in the neighboring areas.
- Boost manufacturing for RE equipment, seaport services, logistical advancement for construction, operation, maintenance and repair.
- Establish green industrial zones and low carbon emission corridors.
- Inter-regional RE industrial and service center:
 - South-Central, Southern: Ninh Thuan, Binh Thuan, Ba Ria – Vung Tau, Ho Chi Minh City, ... consideration open for expanding in the neighboring areas.

Land Requirements

By 2030, 89.90 – 93.36 thousand ha

Inclined Capital Figures (USD – VND FX at 24,355 as of December 2024)

By 2030

- Power source: 2,876.397 trillion VND (USD118.2 billion). Of which, State investment is 666.779 trillion VND (USD27.4 billion), considering socialization is 2,209.618 trillion VND (USD90.8 billion).
- Transmission: 440.464 trillion VND (USD18.1 billion). Of which, State investment is 313.922 trillion VND (USD12.9 billion), considering socialization is 126.542 trillion VND (USD5.2 billion).

In 2031 -2035

- Power source: 2,776.624 trillion VND (USD114.1 billion). Of which, State investment is 644.878 trillion VND (USD26.5 billion), considering socialization is 2,131.746 trillion VND (USD87.6 billion).
- Transmission: 386.927 trillion VND (USD15.9 billion). Of which, State investment is 289.587 trillion VND (USD11.9 billion), considering socialization is 97.340 trillion VND (USD4 billion).

¹ Note that as per Resolution No. 60 dated 12 April 2025 of the Party Central Committee, Vietnam is planned to streamline its provinces and centrally-governed cities from 63 to 34. Timeline set under Resolution No. 76 dated 14 April 2025 of the Standing Committee of the National Assembly is by 15 September 2025. Specifically, Thai Binh is merging with Hung Yen, Hai Duong is merging with Hai Phong city, Ninh Thuan is merging with Khanh Hoa, Binh Thuan and Dak Nong are merging with Lam Dong, Ba Ria – Vung Tau and Binh Duong are merging with Ho Chi Minh City.

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