



HWEA
HELLENIC WIND ENERGY ASSOCIATION

**NOTE ON THE UPDATED
NATIONAL ENERGY AND CLIMATE PLAN (NECP2030)**

15 December 2019

The new Hellenic Government has announced an update of the NECP2030¹ which includes more ambitious targets for 2030 than the previously announced i.e.

- Increased reduction of GHG emissions by 2030 (42% vs 1990)
- Phase out of all lignite power plants by 2028
- Increased RES share 35% in gross final energy consumption by 2030
- Increased target for energy conservation by 2030

The targets are shown in the following table.

Target for 2030	Update NECP (Nov 2019)	Initial NECP (Feb 2019)
RES share in Gross Final Energy Consumption	35%	31%
RES share in Gross Final Electricity Consumption	61%-64%	56%
Final Energy Consumption	16,1-16,5 Mtoe (38% reduction vs the forecasts of 2007)	18,1 Mtoe
Lignite in electricity generation	0%	16,5%
Reduction of GHG Emissions	42% vs 1990 55% vs 2005	32% vs 1990 48% vs 2005

The evolution of the electricity generation capacity is foreseen as follows:

¹ <http://www.opengov.gr/minenv/?p=10156>

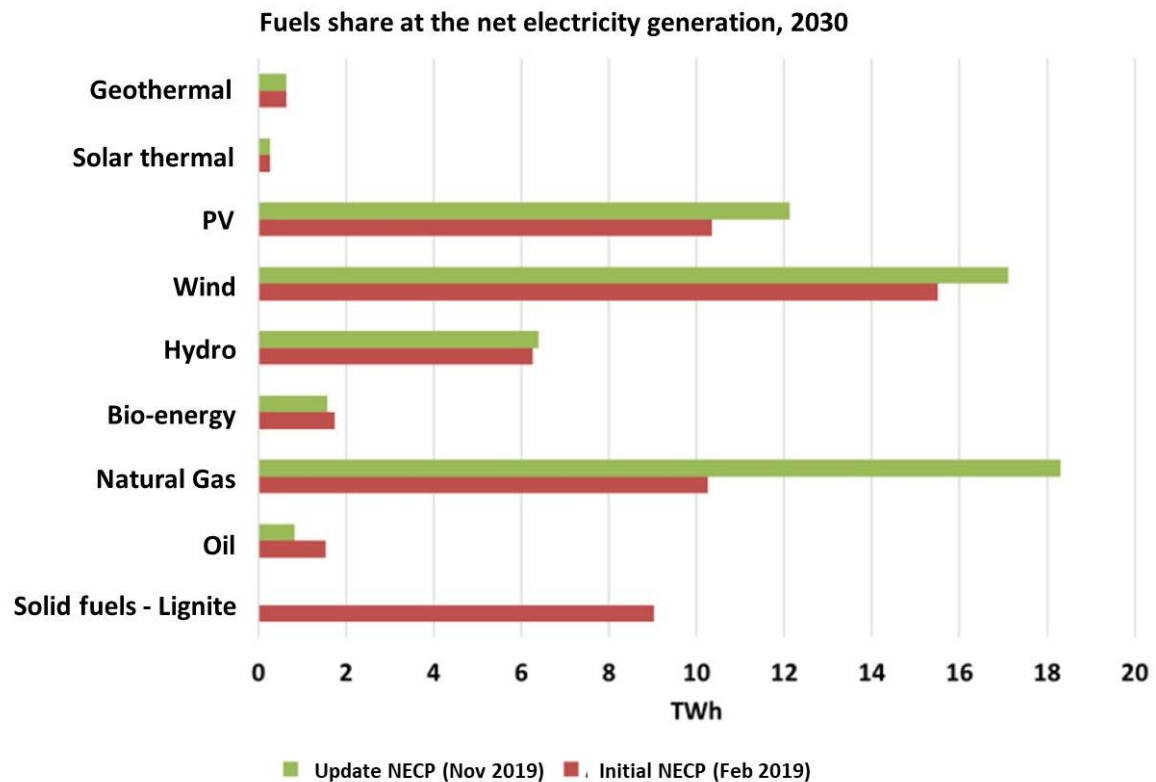
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Installed capacity (GW)	2020	2022	2025	2030	Change 2020/2030	vs previous NECP for 2030
Lignite	3,9	2,9	0,7	0,0	-3,9	-2,7
Oil	1,9	1,7	1,0	0,3	-1,6	-0,2
Natural Gas	5,2	6,0	6,9	7,0	1,8	1,6
Bio-energy	0,1	0,12	0,14	0,31	0,2	0,01
Hydro	3,4	3,7	3,7	3,7	0,3	-0,2
Wind	3,6	4,2	5,2	7,0	3,4	0,4
PV	3,0	3,9	5,3	7,7	4,7	0,9
Solar Thermal	0,0	0,0	0,1	0,1	0,1	0,0
Geothermal	0,0	0,0	0,0	0,1	0,1	0,0
Total	21,1	22,5	23,0	26,2	5,1	-0,2
New storage	0,0	0,0	0,7	0,7	0,7	0,0

The following figure presents a comparison of the fuel mixes by 2030 between the initial and the update NECP.





The basic comments are the following:

- 1) The capacity for wind by 2030 is increased only by 0,4 GW despite the increase of the overall RES target and the lignite phase out. This is mainly due to the increase of natural gas and the high target for energy conservation.
- 2) The text of the update NECP includes special reference and policy directions for the promotion of wind offshore. However, the indicative target for 2030 is only 250MW.
- 3) No figures are provided for repowering of the existing wind installations.
- 4) A specific time-plan for the auctions of the new RES capacities is not included.
- 5) The text includes policy directions for the electrification of the economy and especially for the electric passenger vehicles.

The Hellenic Wind Energy Association has asked, among others, for the following:

- 1) Further analysis in order to secure that the increase of the natural gas will not undermine the path of Greece towards the climate neutrality by 2050.
- 2) A specific action plan with time-tables for the policy measures and quantitative indices for the effective monitoring of the NECP execution as well as a specific Governance.
- 3) A clear plan for the auctions for new capacities.
- 4) More ambition for Storage
- 5) More ambition for wind offshore
- 6) Coordination of the actions for the biodiversity with the energy and climate policy.

With its previous interventions, the Hellenic Wind Energy Association has also asked for the following:

- 1) The Action Plan should include a special Roadmap for Large RES investments
- 2) More ambitious plan for the interconnections of the islands, which will also lead to the rapid reduction of oil share in e-generation.
- 3) A vision for the international interconnections targeting to make Greece an exporter of green energy.
- 4) Specific measures and procedures for repowering.
- 5) More analysis of the measures for the electrification.