



*Cooperation on Sharing Experience and Information between
the PSRC of Armenia and the IUB of Iowa, USA*

Energy Resources and Safety of Supply to Armenia: Balances of Energy and Infrastructure Development

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NUCLEAR POWER DEVELOPMENT



- ***According to the National Security Strategy of RA development of the nuclear energy will insure energy security of Armenia***
- ***Strategy for decommissioning of the existing Armenian Nuclear Power Plant as well as preparation of Feasibility Study and Environmental Impact Assessment of up to 1000 MW New Nuclear Unit are already completed.***



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POLICY FOR RENEWABLE ENERGY DEVELOPMENT

- ☐ ***All electricity generated from renewables shall be mandatory purchased pursuant to the Energy Law with fixed tariff during 15 years from the operation starts***
- ☐ ***Preferential tariffs: 7.8 €cents per kWh for wind, 8.3 €cents per kWh for biomass electricity and 4.0 €cents per kWh for small off-river hydro power plants (without VAT).***



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NATIONAL GOALS IN RENEWABLES

- Till 2015 put into operation 140 MW Meghri Hydropower Plant (800 mln kWh/y), 60 MW Loriberd Hydropower Plant (200 mln kWh/y), 75 MW Shnogh Hydropower Plant (300 mln kWh/y)***
- Till 2025 put into operation in total 260 MW of Small Hydropower Plants (600 mln kWh/y)***
- Till 2025 put into operation in total 200 MW of Wind Power (500 mln kWh/y)***



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OTHER RENEWABLES

***CURRENTLY ACTIVE WORKS ARE CARRIED OUT IN
THE FOLLOWING DIRECTIONS***

☐ ***Bioethanol***

☐ ***Solar Power (Thermal and PV)***

☐ ***Geothermal Power***



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According to the results of “Assistance to the Bioethanol Production Development in Armenia” (GEF/WB TF-056211) Project, by 2020 about 50 thousand tons of bioethanol could be produced in Armenia per annum from Jerusalem artichokes and cattle corn.

Indicator	Year											
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
5% Level of Blending (E5 Fuel)												
Petrol	172	189	208	229	252	277	305	335	369	406	446	491
Bio-Ethanol	8.6	9.5	10.4	11.4	12.6	13.9	15.2	16.8	18.4	20.3	22.3	24.5
10% Level of Blending (E10 Fuel)												
Petrol	172	189	208	229	252	277	305	335	369	406	446	491
Bio-Ethanol	17.2	18.9	20.8	22.9	25.2	27.7	30.5	33.5	36.9	40.6	44.6	49.1



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FIRST IN CIS COUNTRIES GRID-CONNECTED BUILDING INTEGRATED 10kW PV POWER PLANT AT THE ARMENIAN-AMERICAN WELLNESS CENTER IN YEREVAN, 2007



***WB supported
project indicate
presence of pure
silicon mines,
necessary
infrastructure and
skilled workforce
for PV technology
and industry
development.***

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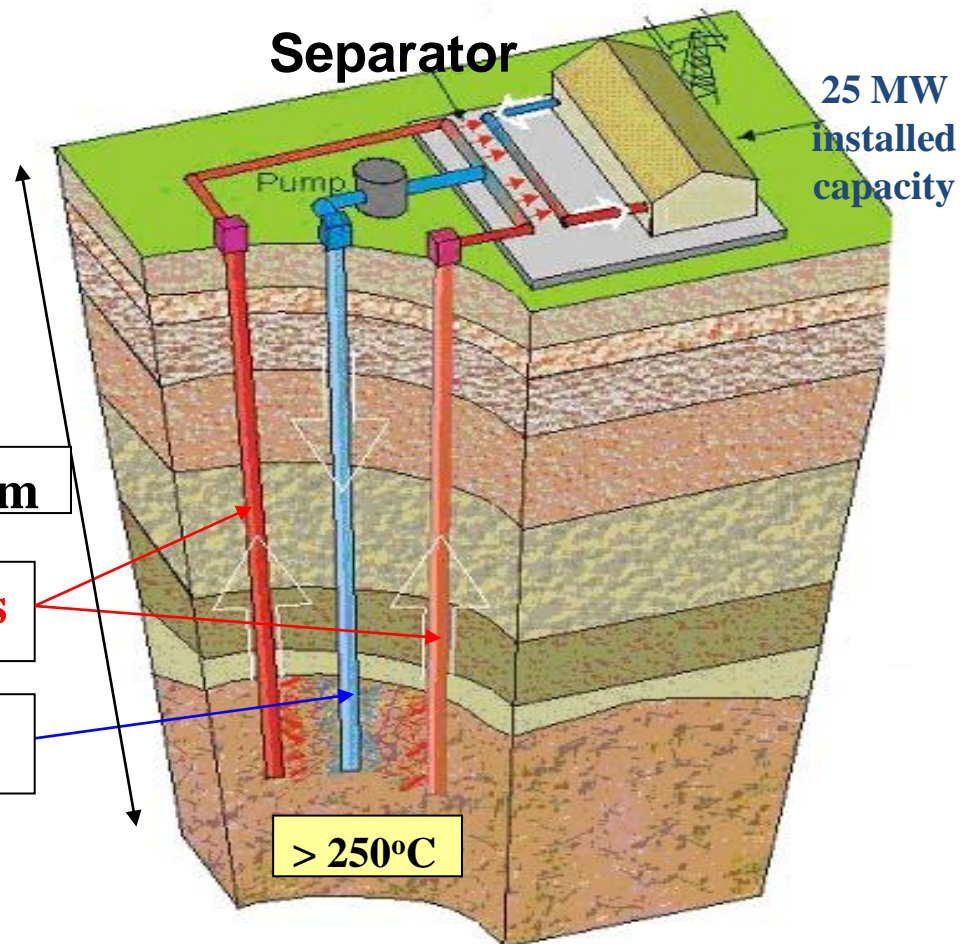
Pre-feasibility analysis of 25 MW Jermaghbure geothermal power plant is carried out.

GEF/GeoFund
will launch
extensive field
surveys in
Armenia in
2009

Depth of mine: 2.5 - 3.0 km

6 Production wells

2 Injection wells





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THANK YOU FOR ATTENTION !