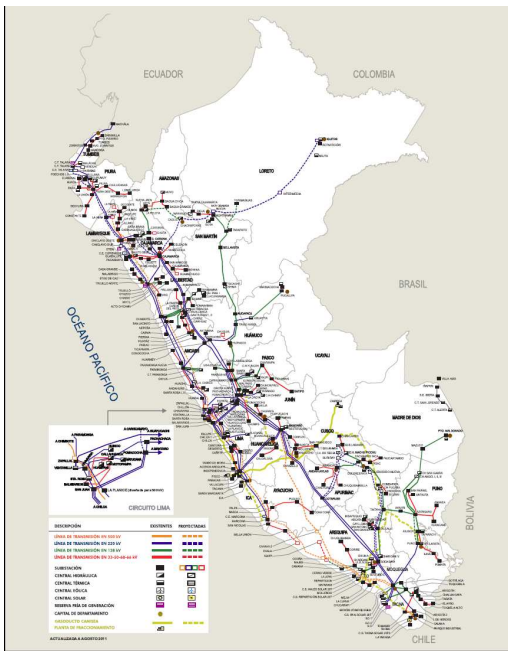


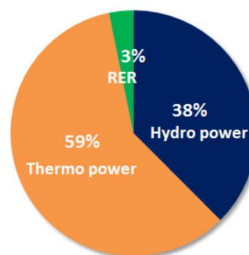
1st Workshop for APEC Initiative for Enhancing Quality of Electric Power Infrastructure, Tokyo-Japan

August, 2015

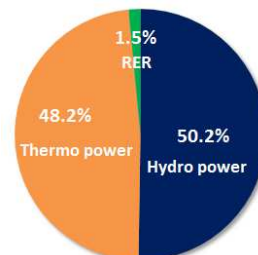
CURRENT SITUATION



Effective Power 2015*
9 077 MW



Electricity Production 2014
41 794 GWh
(Δ : 5,4 % 2013)

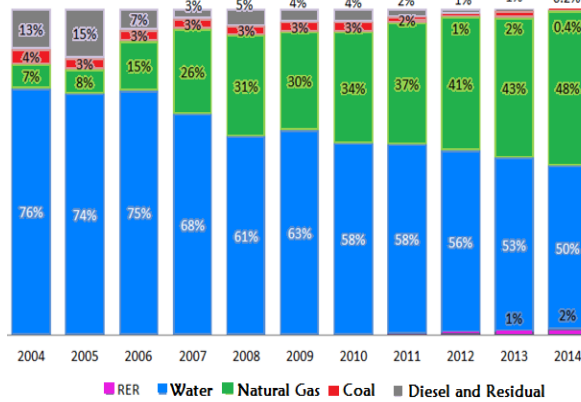


MD:
2014 : 5 735 MW (Δ : 2,9 % 2013)
2015* : 6 036 MW (Δ : 5,2 % 2014)

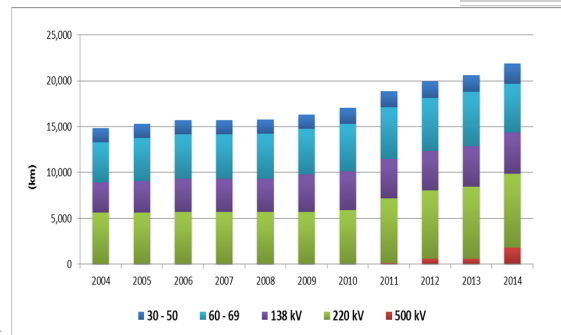
Transmission Lines 2014
220 kV: 8 049 km
500 kV: 1 838 km

Population 31,2 millones

Electricity Production



Transmission Lines



Font: MEM/DGE, 2014

Wind Potential

22 450 MW
142 MW Installed (0,6 %*)



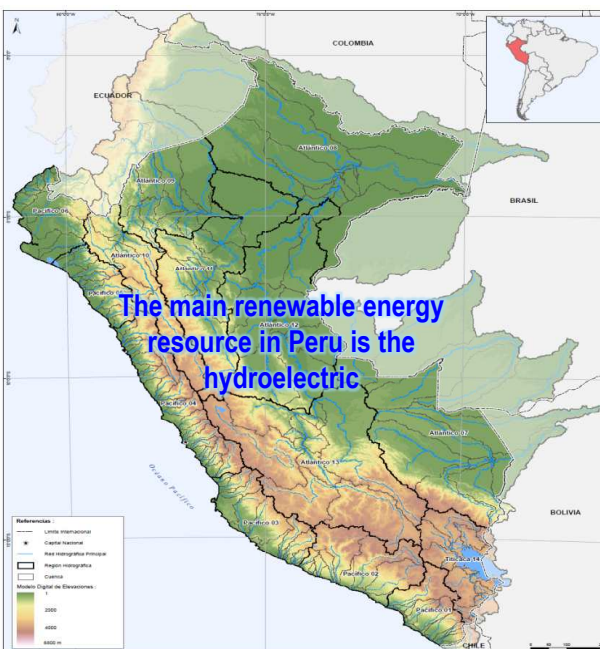
Biomass Potential

78 MW Installed



Geothermal Potential

3 000 MW
0 MW Installed



Solar Potential

Sierra: 5.5 – 6.5 kWh/m²
Costa: 5.0 – 6.0 kWh/m²
Selva: 4.5 – 5.0 kWh/m²

96 MW Installed



Hydroelectric Potential

69 445 MW
3 514 MW Installed (5%*)

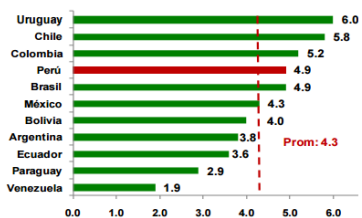


EVALUACIÓN PRELIMINAR DEL POTENCIAL HIDROELÉCTRICO - HIDROGÁS
 MAPA TOPOGRÁFICO
 Fecha: Marzo 2011
 Escala: 1:4.000.000
 Hoja Impresión: A3
 Proyección: UTM 18S, WGS84
 Mapa N°: TEM002

(*) % percentage of total resource potential

MAIN ISSUES:

QUALITY OF ELECTRIC POWER INFRASTRUCTURE - 2011
LATIN AMERICAN COUNTRIES



Font: WEF, PECO

1. Limited information on water sources for the development of new power generation projects.
2. Delay in the management and approval of environmental permits.
3. Social conflicts by distrust of people to foreign companies, by the poor performance of some of them in the past.
4. Power outages for existence of old equipment

STRATEGIES APPLIED:



- ✓ Installation of 14 hydrometric stations for monitoring watershed that promote investments in hydro power plants.
- ✓ Law projects - New rules about the process of obtain environmental permits.
- ✓ Implementation conversation tables with communities directly affected by the projects.
- ✓ Promotion of public-private partnerships to electric infrastructure projects development.
- ✓ Preparation of Law projects that attract investment to replace old equipment.



PROPOSALS TO IMPROVE THE QUALITY OF ELECTRICAL POWER INFRASTRUCTURE:

- ✓ **Make diagnostics of the electrical infrastructure to detect which part of the electrical structure is the possibility of improving.**
- ✓ **Continue to installation of new stations for monitoring watershed.**
- ✓ **Continue with new Law projects that encourages investment to replace old equipment .**



How could the APEC cooperate?

- ✓ **Continuous training to member countries**
- ✓ **Continue the exchange of experiences to help economies improve quality in the electric infrastructure development.**
- ✓ **Continue to promote the full integration of APEC member economies doing a forum to identify current or emerging barriers that could limit the economic and technical integration .**



Thank you

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