



ພະລັງງານ ແລະ ບໍ່ແຮ່
ENERGY AND MINES



COUNTRY REPORT PRESENTATION

**Policy and Measures on Energy Efficiency and Conservation
in Lao PDR**

Ministry of Energy and Mines

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Country: Lao PDR



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2. Current Energy Policy and Measures
3. Past Energy demand and Supply Statistics
4. Outlook of Energy demand and Supply
5. Major difficulties and bottlenecks currently faced formulating Energy Policies
6. Subject you would like to study in the order of priority and the reason

GENERAL INFORMATION OF LAO PDR



- Mountainous area with major tributaries of the Mekong River covering 35% of total Mekong River basin.
- and Land rock Country with Area of 236,800 sq km.
- Population of 7,012,995 Millions. Female: 3,499,221 Millions
- GDP growth rate : 6.9% (2017, World Bank)
- GDP per capita : 2,457 USD
- Still Poor (LDC status)
- Currency (Lao Kip)
- Hydropower potential say 23,000 MW
- Existing installed capacity of 7,076 MW (2017)

MINISTRY OF ENERGY AND MINES



Commercial Unit



Electricity Due Lao



Each Department

- Cabinet Office
- Organization & Personnel
- Inspection Department
- Planning and Cooperation
- Energy Management
- Energy Policy & Planning**
- Mines Management
- Energy Business
- Geology & Mines
- Department of Laws
- Institute of Renewable Energy Promotion
- Institute Research of Energy and Mining

Each Division

- Administration Information Division
- Energy Policy Division**
- Environmental Engineering Division
- Power System Planning Division
- Electricity Generation & Planning

You can edit this text



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Country Background

- National Goal to graduate from a least-development Country status by 2020
- Energy sector is one of important driving forces to social and economic growth
- Upgraded and revised the policy on sustainable hydro development to ensure that hydropower development is truly sustainable in the longer term and effective mitigation of negative impacts on the local environment and affected population, including protection of the watershed



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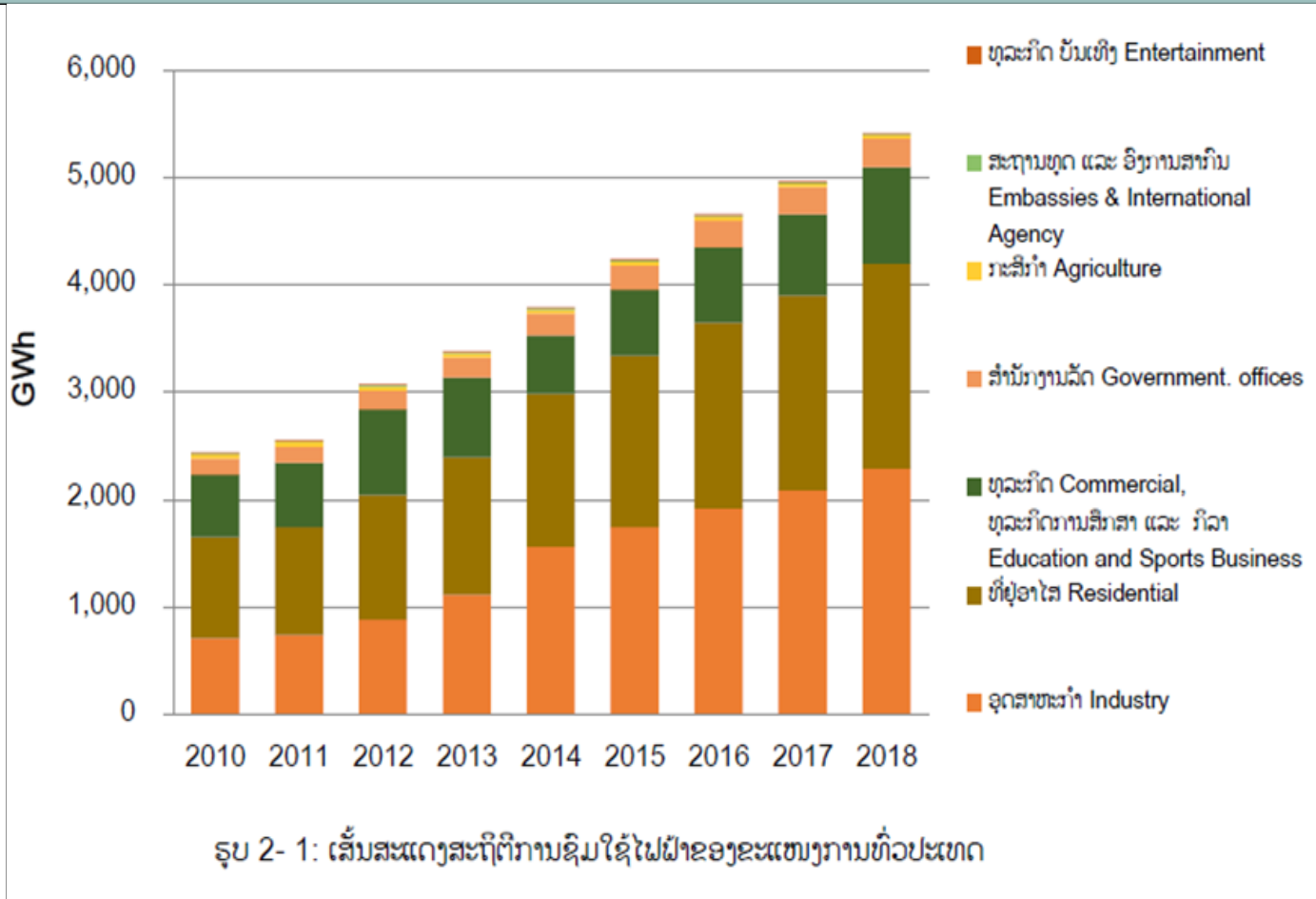
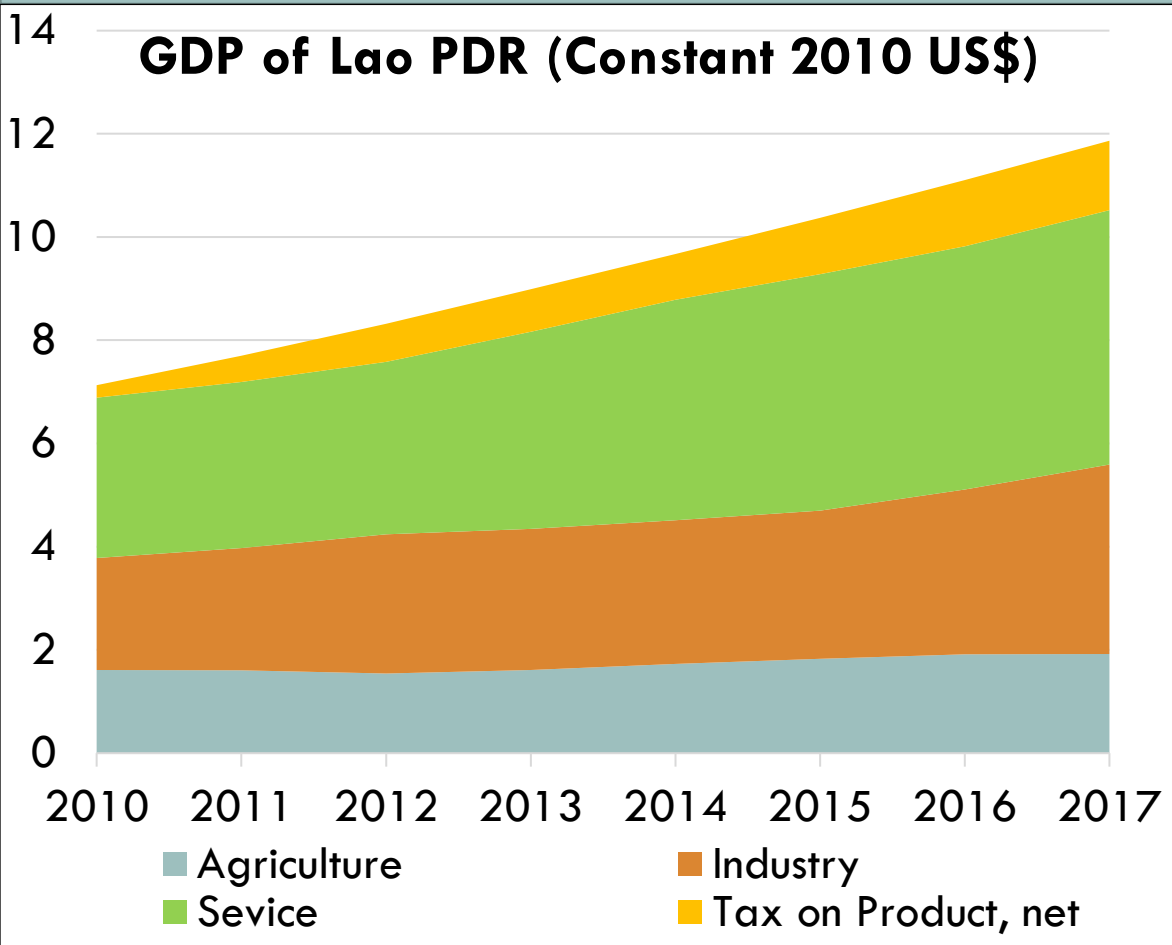


CURRENT ENERGY POLICY AND MEASURES

- ❑ Government has been approval Promulgation of the “Policy on Sustainable Hydropower Development in Lao PDR”.
- ❑ Ministry of Energy and Mines has been approval guideline Policy on Sustainable Hydropower Development in Lao PDR.
- ❑ Daft Decree on Electrical Tariff Structure for Support to Agriculture and Industry Growth
- ❑ Daft Decree on Small Hydropower Development for implement to guide monitoring in feasibility study of hydropower
- ❑ Development Power Industry Supply
- ❑ Development NPDP
- ❑ Increase a share of bio-fuel consumption in Transport Sector up to 30% by 2020;
- ❑ Establish a National Policy of Renewable Strategic Policy;
- ❑ Establish a National Strategic Plan for Bio- fuel development.

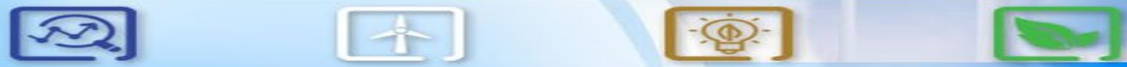
PAST ENERGY DEMAND AND SUPPLY STATISTICS

Social and Economic Situation

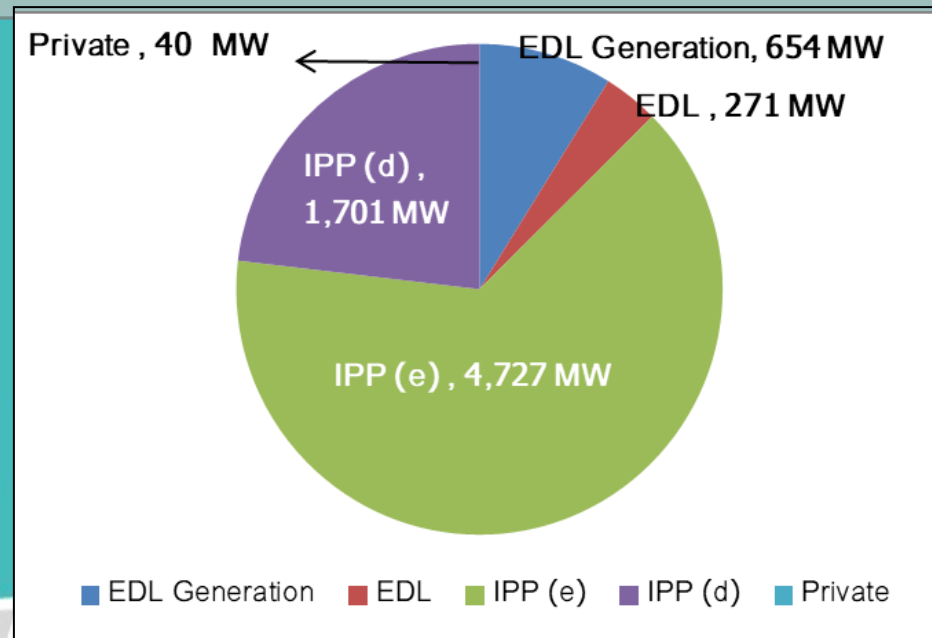
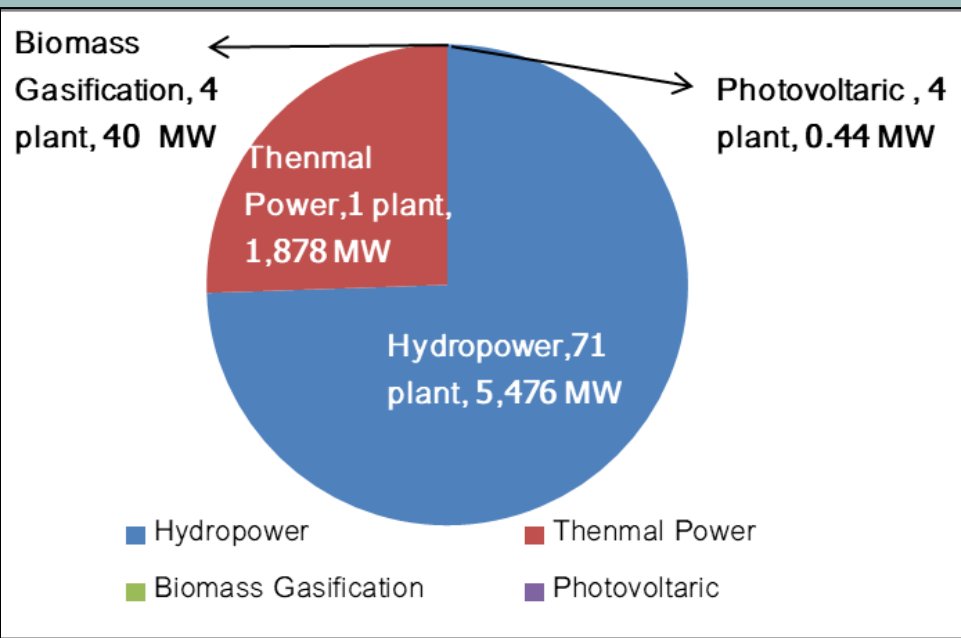




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ELECTRICITY GENERATION IN 2019



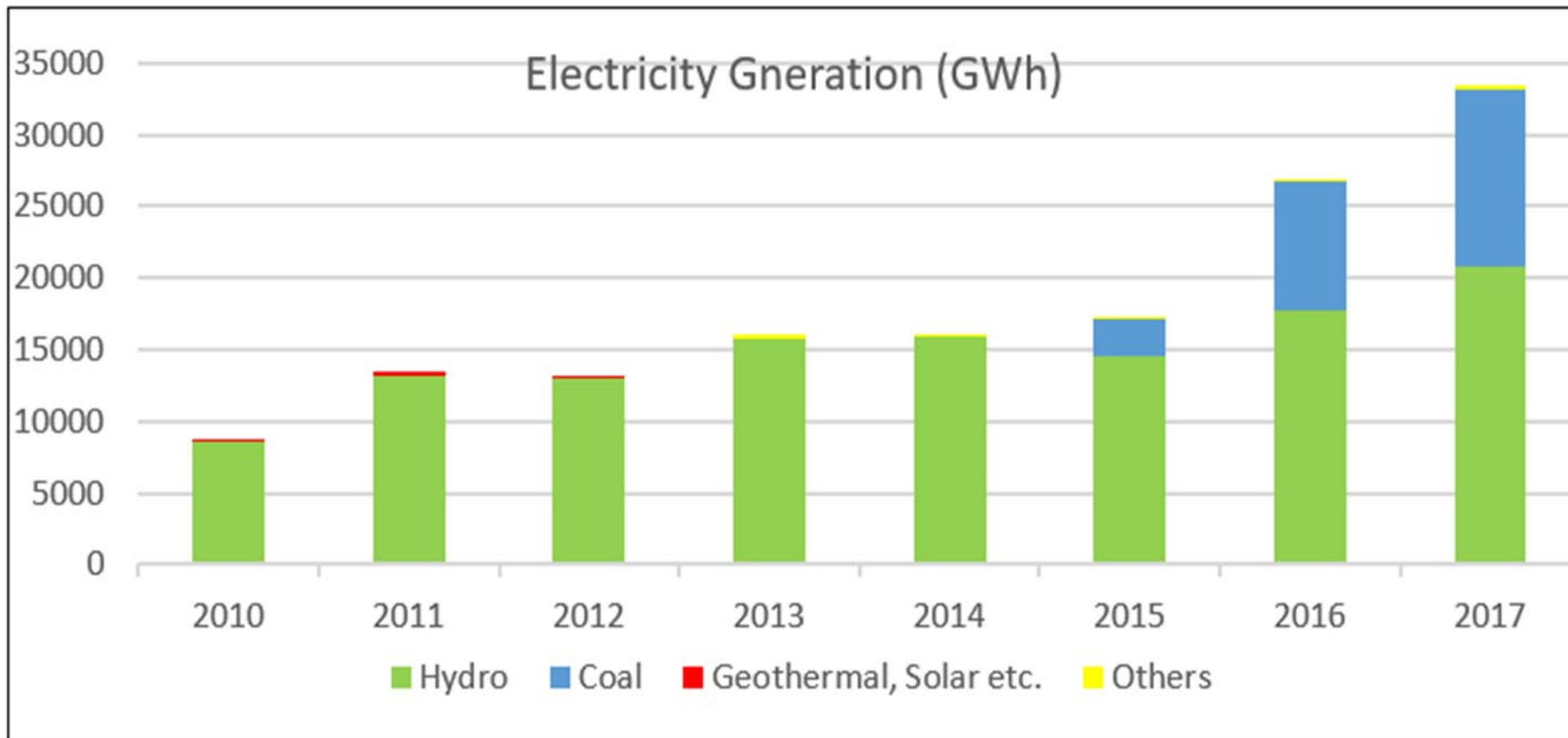
Source	Installed Capacity (MW)	Percentage (%)
Hydropower	5,476	73.18595
Thermal Power	1,878	26.44664
Biomass Gasification	0.4	0.3591
Photovoltaic	0.0	0.008309
Solar		
Total	7,382	100



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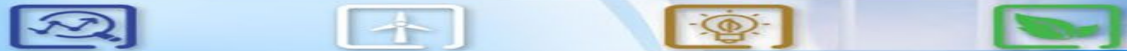
ELECTRICITY GENERATION IN 2010-2017



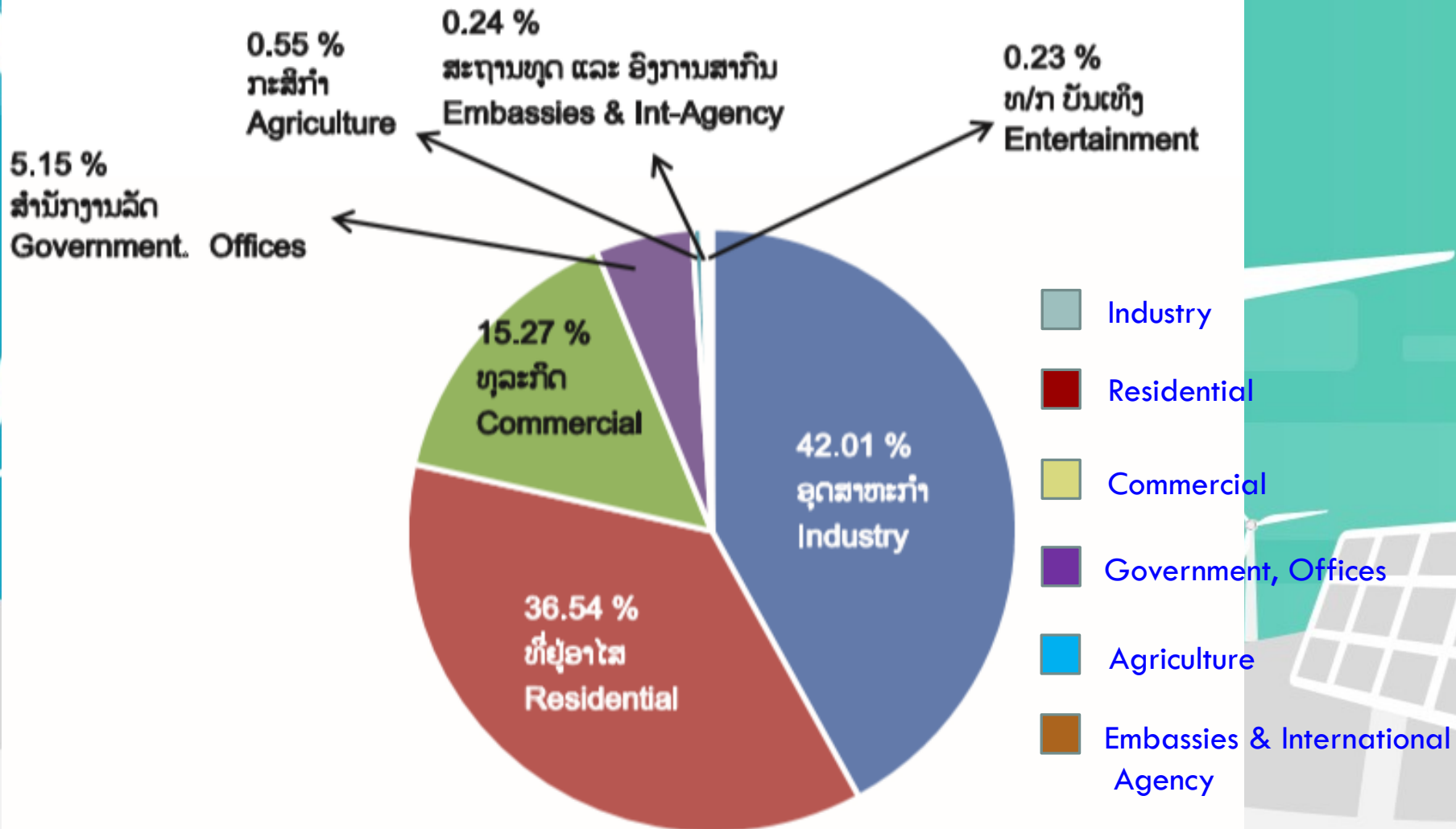
Source: Lao PDR EBT 2010-2017



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Energy Demand and Supply 2010-2017

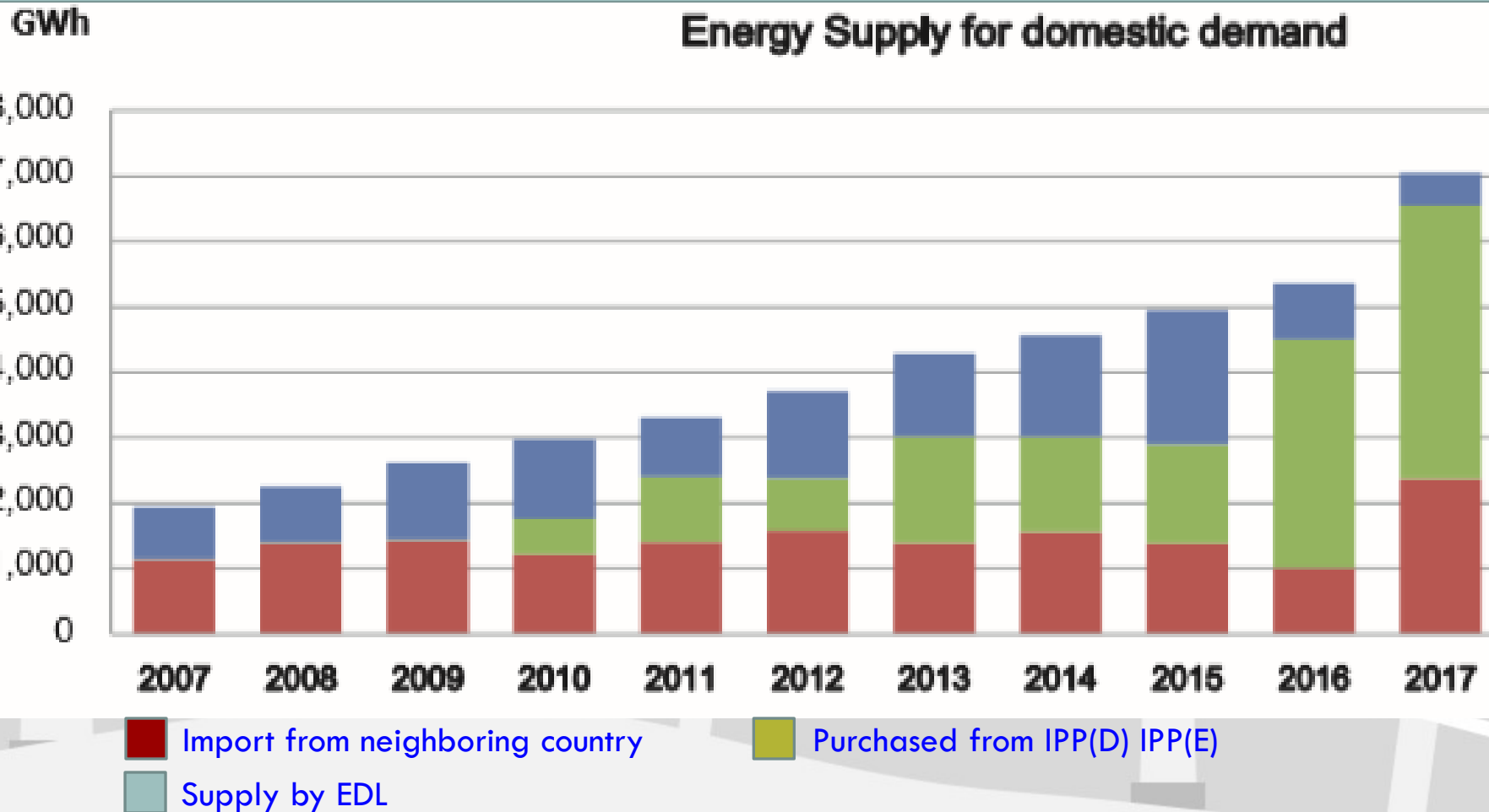




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Energy Supply 2007-2017

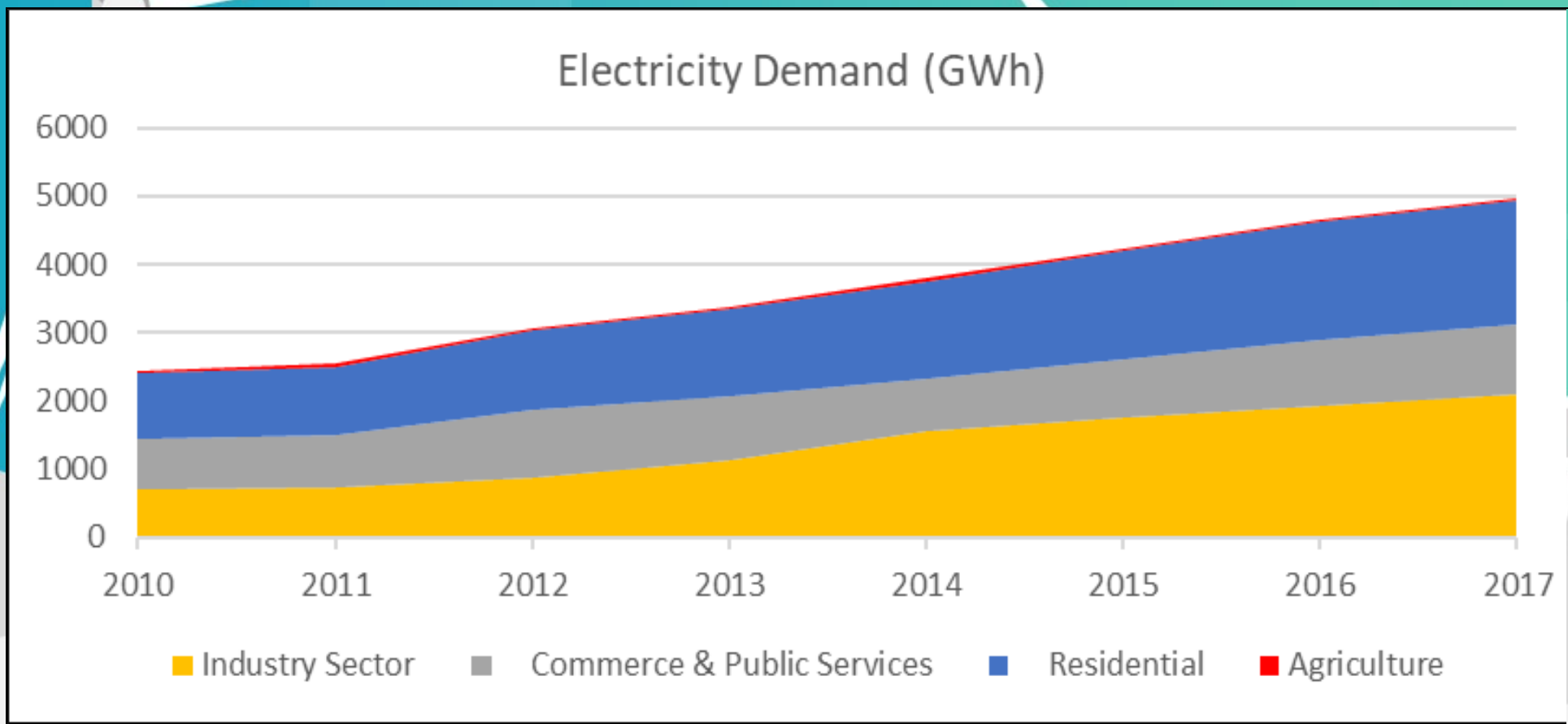




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Electricity Demand





MAJOR DIFFICULTIES AND BOTTLENECKS CURRENTLY FACED FORMULATING ENERGY POLICIES

No integrated national energy policy and no clear on existing vision to cover all energy sub-sector

Certain energy policy mainly focuses on electricity

Manpower with the sufficient and strong knowledge of know-how, experiences and skill strategic planning is still limited.

Responsibilities among related agencies are not clearly described and coordinated.

We problem with summary energy data

Lack of data and information of all sub-sectors of energy,

The limitation of manpower,

Mandate among agencies are not clearly described and coordinated.



SUBJECT YOU WOULD LIKE TO STUDY IN THE ORDER OF PRIORITY AND THE REASON

1. My future would like to study about Energy Storage technologies for Example: Pumped Hydro Storage, Batteries, Hydrogen Etc.
2. Batteries and EV cars
3. Renewable Energy Policy Development Plant
4. Feed in Tariff (FIT)
5. The software for Energy development Plant



CONCLUSION

Hydropower resource is the most abundant energy resource in Lao PDR

All petroleum products consumed are imported

Energy use in the country is mainly in the form of traditional fuels, i.e. the use of biomass such as wood and charcoal for cooking and heating in rural areas

Review the existing policy measures with view to developing more cost effective policies and to adjust the new energy policy.

Thank you
Q & A