

ENERGY AND ENVIRONMENTAL PLANNING



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BELIZE

- Located in Central America
- Population of 240,204
- Economy, Agro Industry, Tourism
- GDP Bz \$1,321 million
- 7% Growth previous 4 years
- 50% of electricity demand is imported from Mexico

Census 2000



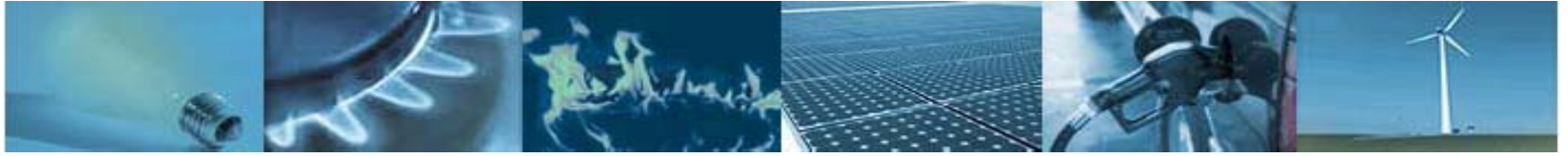
Energy Policy Recommendations

- Presented to the government of Belize 2004
- Policy designed to obtain energy sustainability for Belize
- Part of the National Environmental Plan for Belize.



Energy Policy and Oversight

- Creation of an Office of Energy
- Collect and analyze Energy data on regular basis
- Regional Networks that can bring benefits to Belize
- Proactive Participation



Fossil Fuel

- Single Grade of unleaded Gasoline Facility
- illegal Fuel sales
- Proper Storage of Petroleum Products
- Collection of Oil Waste



Transport

- Fuel Efficient Vehicles
- Base Line Pollution Monitoring
- Set Emission Standards
- Improve Public Transportation
- Environmental Impact on High Speed power Boats in Belize



Electricity Services

- Industry awareness to open access to electric grid
- Generation Plant Standards
- Electrical Interconnection with the rest of Central America
- Demand Side Management



Energy Use

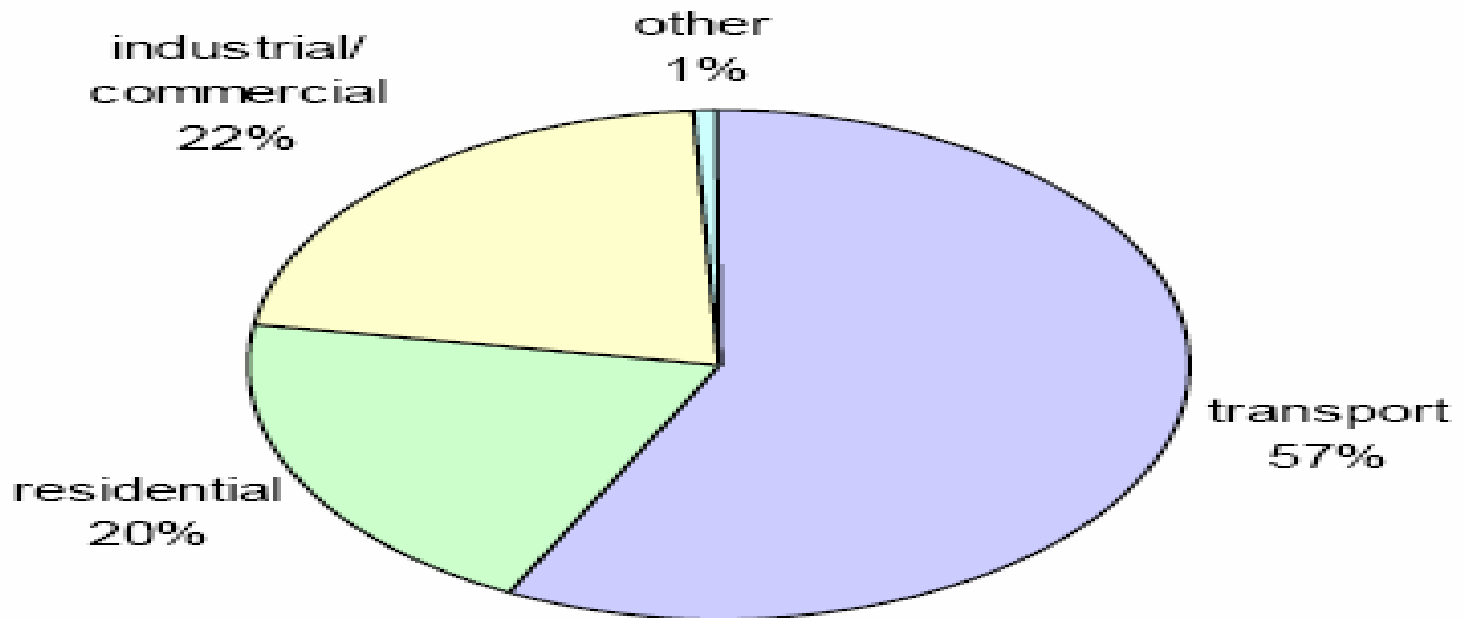
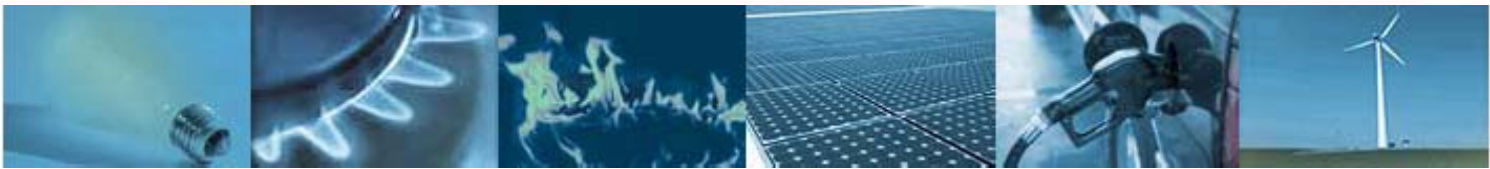


Chart 2: Final Energy Uses, Belize 2002⁷

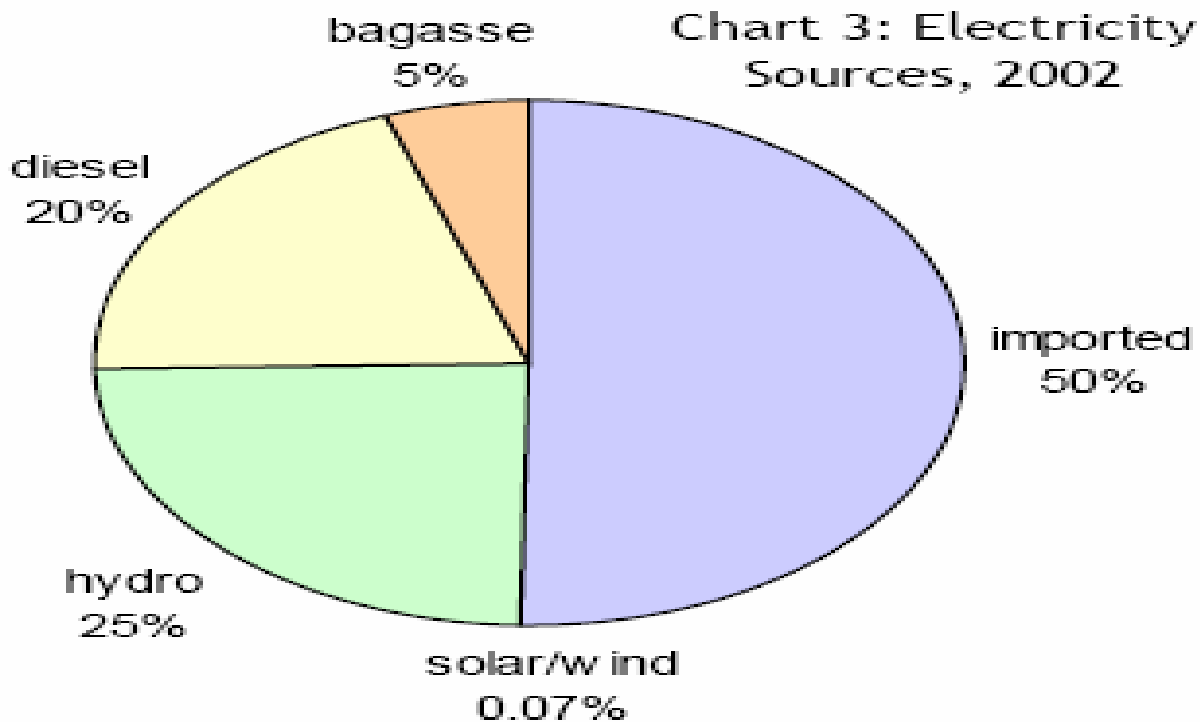


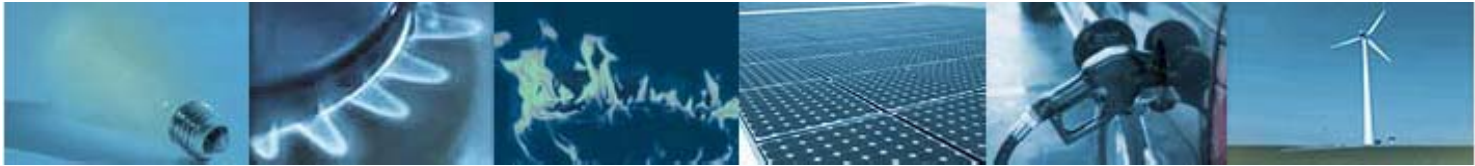
Renewable Energy Initiatives

- RE Resource Assessment
- RE Education and Awareness
- Analysis of Wind Generation Possibilities
- Clean Development Mechanism
- Ethanol use as source of fuel



Renewable Energy Distribution





Primary Energy Mix

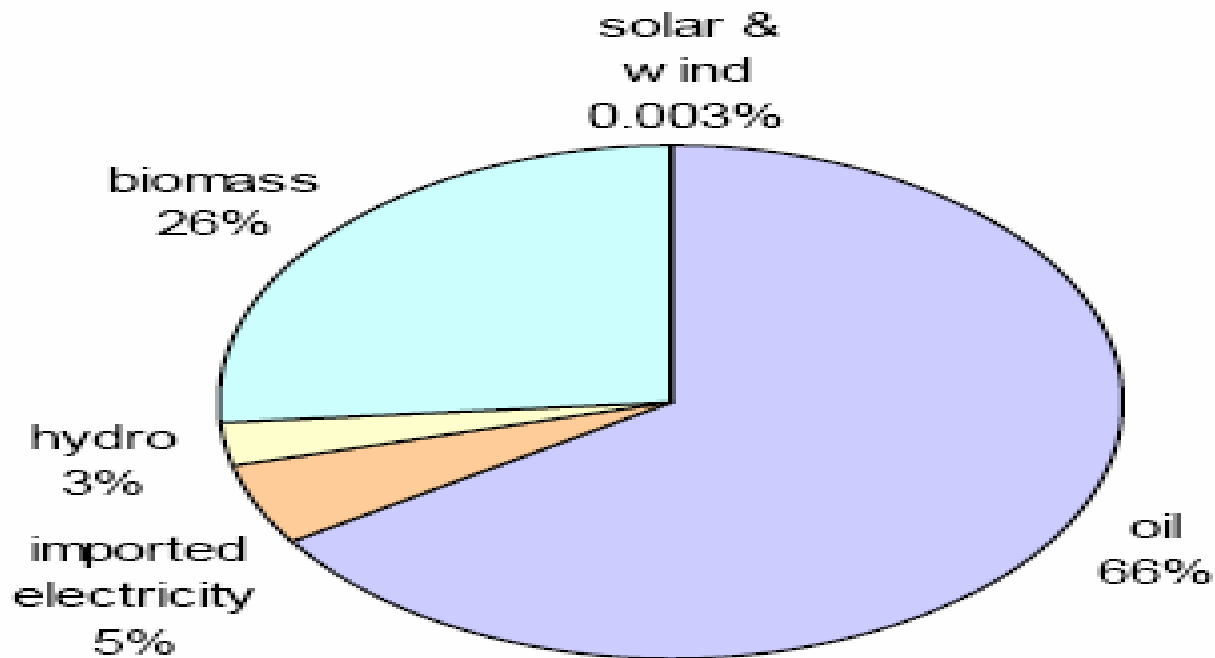


Chart 1: Primary Energy, Belize 2002⁶



Energy Efficiency Initiative

- National Energy Efficiency Education
- Incentives for Energy Efficiency Products
- Study of Energy End Users Practices
- Market Potential for energy efficiency Measures



Conclusion

- Development of its resources
- Proper energy and environmental planning
- Planning tool