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# Guyanas National Energy Efficiency Program'

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III LATIN AMERICAN AND THE CARIBBEAN ENERGY EFFICIENCY  
SEMINAR

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JULY 7-8, 2010

*Guyana's National Energy Efficiency Program*



*Sandra Britton*  
*Guyana*



# PRESENTATION LAYOUT

- Background
- Introduction
- Projects Implemented
- Current Proposed Activities
- Experiences & Lessons Learnt



# BACKGROUND

## ○ Guyana's Energy Policy

- Provide energy at the lowest possible sustainable cost with adequate energy security
- Encourage the effective and efficient use of energy
- Consider the utilization of indigenous renewable energy sources



# BACKGROUND

- Guyana is dependent on imported petroleum-based fuels
- In 2009, the country consumed approximately 10,608 bpd
- Guyana's annual energy consumption accounts for approximately 5 million barrels of oil equivalent (boe) from a variety of energy sources: diesel, fuel oil, gasoline, avgas, LPG, kerosene, bagasse, fuelwood, charcoal, solar, biodiesel, biogas and wind



# BACKGROUND

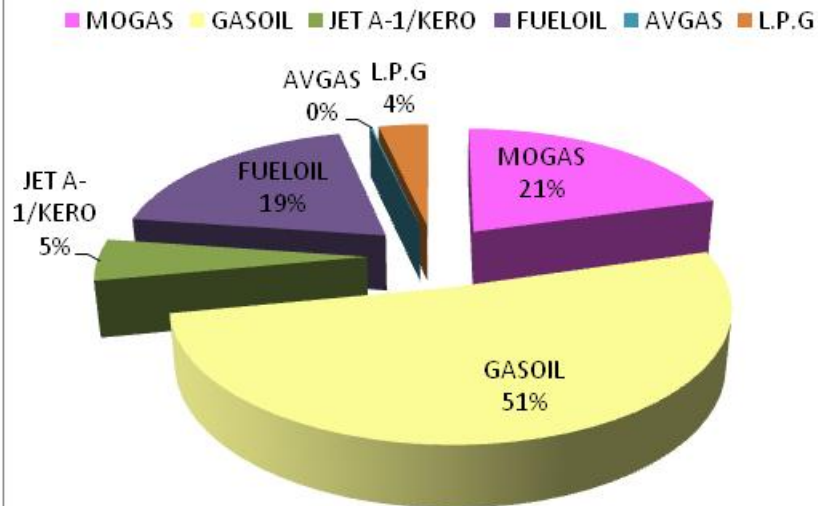
	Total of Eden Falls hotel				
	for period 2015-2019				
	2015	2016	2017	2018	2019
	BBS	BBS	BBS	BBS	BBS
NOAS	2009	2035	7787	1992	9884
AGL	1208	1593	1952	1654	1550
JAIRO	1579	1688	1538	1632	2321
FHC	6722	5605	9371	10875	9098
AVS	536	1074	879	942	788
LEG	1266	1787	1952	1475	1526
<b>TOTAL</b>	<b>3589</b>	<b>3195</b>	<b>3028</b>	<b>3240</b>	<b>3798</b>

	Total of Eden Falls hotel				
	for period 2015-2019				
	2015	2016	2017	2018	2019
	€US	€US	€US	€US	€US
NOAS	52233	64724	718218	97487	28159
AGL	13853	136485	166132	21913	12482
JAIRO	14838	13624	16748	21393	15823
FHC	25620	31853	58106	87639	58241
AVS	2245	1687	1535	1818	801
LEG	9674	11680	12892	13893	7404
<b>TOTAL</b>	<b>20514</b>	<b>21918</b>	<b>32650</b>	<b>40420</b>	<b>29588</b>

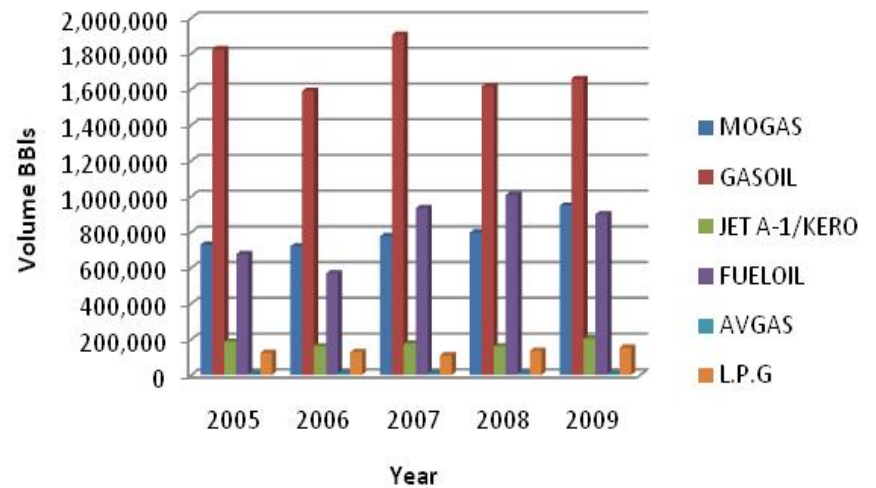


# BACKGROUND

## Imports



## Total Volume of Petroleum Products Imported for 2005-2009



# INTRODUCTION

- Historically, Guyana's energy efficiency program has been based mainly on information dissemination through public awareness campaigns
- During 2006 to 2007, Guyana distributed 446,796 energy saving bulbs to 110,000 households across Guyana through the kind courtesies of the Cuban Government





# INTRODUCTION

- In June 2009, GEA launched its Energy Conservation and Efficiency Campaign
- GPL has also embarked on an energy conservation campaign in 2007



# IMPLEMENTED ACTIONS

## ○ GEA

- Four brochures were designed for four essential areas
  - Transportation
  - Lighting
  - Appliances
  - Building designs



# IMPLEMENTED ACTIONS

- In excess of 12,000 brochures were distributed to various sector agencies, key stakeholders and the general public
- The GEA's website was updated and re-launched and a blog section was introduced to stimulate dialogue on energy related matters
  - [www.gea.gov.gy](http://www.gea.gov.gy)
- The agency drafted a "Program to Promote the Effective and Efficient use of Energy"
- Centre spread pullouts on Energy Conservation tips
- All lighting fixtures were replaced within the Agency



# IMPLEMENTED ACTIONS

## ○ GPL

- Sensitization campaign on energy efficiency tip using radio, television and print media
- GPL/IDB Secondary Schools Energy Conservation Program (debating competition)
- Implementation of pre-paid meters to encourage energy conservation



# CURRENT PROPOSED ACTIVITIES

- GEA's proposed activities include:
  - Public awareness & targeted information dissemination
  - Energy efficient lighting for government & public buildings
  - Home energy audits
  - Energy efficient building designs



# CURRENT PROPOSED ACTIVITIES

- Financing energy efficiency appliances
- Government policy considerations
- Study on the opportunities for reducing energy consumption
- Organizational support & training



# CURRENT PROPOSED ACTIVITIES

- GPL's proposed activities include
  - Information dissemination on energy management and efficient use of electricity (flyers, radio, television and print media)
  - Secondary School debating competition on energy efficiency and behavioral change and their impact on electricity use



# PROPOSED PROGRAMS

- Work with Government to enact changes in law to enforce technological change
- Public awareness trade fairs focusing on ways to use electricity efficiently
- Develop Energy Efficiency Action Plan
- Develop street lighting standards





# CURRENT PROPOSED ACTIVITIES

- Data collection for energy consumption patterns
  - Power demand
  - Type of design (traditional or energy efficient)
  - Year of manufacture and hours of use
- Data collection on energy efficient equipment
  - Manufacturer, specifications, construction standard, energy consumption guarantees



# EXPERIENCES & LESSONS LEARNT

- Strengthen ties with other sister agencies
- Enlighten entities on steps to promote energy efficiency
- Stimulate increased awareness of energy efficiency tips
- More persons are becoming conscious of conserving energy in their homes
- Persons are making more informed decisions on purchasing appliances (energy star labels)
- Some persons not inclined to make lifestyle changes to conserve on energy



THANK YOU

