



Greening the Energy Sector: Benefits for the Job Market.

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Focus

- **A Look at Jamaica's Labour Force**
- **Alternative Energy Sources – Prioritization Options**
- **Job opportunities**
- **RDI – Opportunities for Entrepreneurship**

General Employed Labour Force -Jamaica

AGE GROUP	2011			2012		
	January	July	October	January	April	July
BOTH SEXES						
TOTAL	1,106,500	1,083,600	1,088,900	1,083,400	1,081,300	1,094,700
14 - 19	24,200	18,200	18,500	18,300	18,500	15,200
20 - 24	102,900	99,600	96,600	93,900	90,600	95,100
25 - 34	305,700	305,900	308,400	296,800	299,000	305,800
35 - 44	327,400	318,400	322,300	323,500	320,600	327,400
45 - 54	192,500	189,200	189,700	194,400	195,500	194,800
55 - 64	97,200	98,000	96,800	97,900	102,200	99,600
65 and over	56,600	54,300	56,600	58,600	54,900	56,800

Last Updated: November 8, 2012

Male Statistics

AGE GROUP	2011			2012		
	January	July	October	January	April	July
MALE						
TOTAL	620,400	620,000	624,500	614,800	610,900	619,400
14 - 19	16,800	13,000	12,800	12,800	13,100	10,000
20 - 24	60,100	58,400	55,900	56,100	53,200	56,400
25 - 34	166,400	167,900	170,800	162,400	163,200	166,000
35 - 44	174,100	175,400	178,200	172,400	172,400	177,800
45 - 54	106,100	108,600	106,900	111,000	109,600	109,000
55 - 64	57,800	60,300	59,400	59,300	60,500	60,900
65 and over	39,100	36,400	40,500	40,800	38,900	39,300

Last Updated: November 8, 2012

Female Statistics

AGE GROUP	2011			2012		
	January	July	October	January	April	July
FEMALE						
TOTAL	486,100	463,600	464,400	468,600	470,400	475,300
14 - 19	7,400	5,200	5,700	5,500	5,400	5,200
20 - 24	42,800	41,200	40,700	37,800	37,400	38,700
25 - 34	139,300	138,000	137,600	134,400	135,800	139,800
35 - 44	153,300	143,000	144,100	151,100	148,200	149,600
45 - 54	86,400	80,600	82,800	83,400	85,900	85,800
55 - 64	39,400	37,700	37,400	38,600	41,700	38,700
65 and over	17,500	17,900	16,100	17,800	16,000	17,500

Last Updated: November 8, 2012

Unemployed Labour Force

AGE GROUP	2011			2012		
	January	July	October	January	April	July
BOTH SEXES						
TOTAL	163,500	151,800	159,600	177,200	179,900	161,300
14 - 19	15,500	13,800	15,700	16,600	16,900	13,100
20 - 24	40,200	33,500	36,500	40,400	41,500	39,400
25 - 34	55,100	46,700	48,400	57,500	57,900	52,500
35 - 44	30,000	35,700	34,300	39,800	40,700	33,400
45 - 54	16,000	15,400	17,700	14,100	15,000	15,800
55 - 64	5,600	4,700	5,000	6,000	5,500	5,600
65 and over	1,100	2,000	2,000	2,800	2,400	1,500

Female Statistics

AGE GROUP	2011			2012		
	January	July	October	January	April	July
FEMALE						
TOTAL	98,500	91,000	94,500	105,100	106,300	95,500
14 - 19	8,800	7,900	7,200	7,600	8,000	5,900
20 - 24	23,700	19,100	20,400	24,600	25,200	23,200
25 - 34	35,100	29,300	33,000	35,300	37,400	32,200
35 - 44	19,500	23,200	23,500	24,700	23,900	22,500
45 - 54	8,500	9,200	8,600	10,000	9,100	9,000
55 - 64	2,500	1,700	1,400	2,100	1,900	2,200
65 and over	400	600	400	800	800	500

Male Statistics

AGE GROUP	2011			2012		
	January	July	October	January	April	July
MALE						
TOTAL	65,000	60,800	65,100	72,100	73,600	65,800
14 - 19	6,700	5,900	8,500	9,000	8,900	7,200
20 - 24	16,500	14,400	16,100	15,800	16,300	16,200
25 - 34	20,000	17,400	15,400	22,200	20,500	20,300
35 - 44	10,500	12,500	10,800	15,100	16,800	10,900
45 - 54	7,500	6,200	9,100	4,100	5,900	6,800
55 - 64	3,100	3,000	3,600	3,900	3,600	3,400
65 and over	700	1,400	1,600	2,000	1,600	1,000

Green/ Clean Energy Sources



What are our Priorities?



- Commercial Wind
- Solar
 - Thermal
 - PV
 - Cooling
 - Solar thermal electricity
- Hydroelectricity

Marine Energy

- Tidal Energy (Under Water)- is achieved by capturing the energy from the movement of the tides and open currents, which will turn the turbines



- Wave Energy(Surface)- is achieved by capturing the energy of the surface waves in order to turn a suitable turbine.



What are our Priorities?

- Biofuels
 - Ethanol
 - Oils – Castor, Palm, Jathropha
 - Algae
- Biomass
- Waste to Energy
- Land fill gas

What are our Priorities?

- Hydrogen
- Fuel cells

- **GREEN BUILDINGS**
 - Design
 - Materials
 - Energy Efficiency

What are our Priorities?

- Energy Management Systems

- Energy Auditing

- Water Management

Career Opportunities

General Renewable

- Project Consultancy
- Land surveyors
- Technical Advice
- Govt. Policy Making
- Physical Development Planning
- Real Estate

Energy Markets

- Energy Analysis
- Energy Trading
- Green Energy Sales
- Emissions Trading

Executive Management

- CEOs
- Financial Officers
- Management
- Business Development

Engineering

- Electrical
- Civil
- Mechanical
- Chemical
- Technicians
- Artisans

Sales & Marketing

- International Sales
- National Sales
- Local marketing

Softer - Non-technical roles

- Human Resources
- Communications & PR
- Marketing
- Customer Care

Information Technology

- Huge opportunity
- Management systems

Research and Development

The ACP/EU Grant Funded Solar-Hydrogen Research Project

The Application of Solar-Powered Polymer Electrolyte Membrane (PEM) Electrolysers for the Sustainable Production of Hydrogen Gas as Fuel for Domestic Cooking

