



RBC Blue Water Project™

Working Together to Save Our Water

RBC and RBTT are committed to clean water
for the world's population

RBC and RBTT celebrate Blue Water Day on June 10th. This year's theme 'Join the Wave' echoes our commitment to the preservation of the world's valuable fresh water resources.

RBC Blue Water Project™ is our 10-year initiative towards water conservation. With our CAD \$50 million in charitable grants to organisations vested in this effort, we are ensuring our future generations are never without our most vital and precious commodity.

To find out more visit us at
facebook.com/rbcbluewaterproject.

Learn more about creating a blue water future at rbc.com/bluewater

TOGETHER FORWARD



Conference Agenda at a Glance

Monday 25th July, 2011

Time	Transmission & Distribution	Generation	Supply Chain Management 1
	Keynote Panel: Risk Management & Mitigation		
8:30: AM- 9:10 AM	Opportunity Management as an Integral Issue in Risk Management for Utilities - Emanuel van Zandvoort, AON		
9:10 AM - 9:50 AM	Will You Survive the Transition ? - Joanne Nicastia, NIBanc		
9:50 AM- 10:30 AM	Technology Trends Impacting Energy Companies - CD Hobbs - Gartner Group / University of Florida		
10:30 AM 11:15 AM	Coffee Break		
	SUB THEME: Cost & Revenue Implications	SUB THEME: Strategies for Reducing Electrical Power Production	SUB THEME: Supply Chain Management 1
11:15 AM -11:55 AM	Aqualectra's AMI Project - Rolin Eustatius-Aqualectra	A Strategic Approach for Managing the Fossil Fuel Bill in VINLEC - Vaugh Lewis, VINLEC	Purchasing Models: A Short Description of Nearly Everything - Dr. ir. Fredo Schotanus, University of Twente, School of Management and Governance
11:55 AM-12:35 PM	Impact of the Global Economy on Distribution Line Maintenance and Construction in the Caribbean - Jennifer Prakes / Cindy Powell, Power consulting Associates & David Grooms P.E.	Conversion of Engines to Dual Fuel, the Future of Fuel Cost Saving - Jim Martz, Governor Control Systems	Developing a Purchasing Strategy: Purchasing must become Strategic Supply Management - Dr. ir. Fredo Schotanus, University of Twente, School of Management and Governance
12:35:PM -1:50 PM	Lunch Break		
1:50 PM - 2:30 PM	Revenue Protection - Steve Meissel, Aclara	"LNG/Natural Gas as an Alternative Fuel for Power Generation in the Caribbean - Rodney George, Wartsila	Purchasing Controls: What we can learn from Accounts Payables - Dr. ir. Fredo Schotanus, University of Twente, School of Management and Governance
2:30PM -3:10 PM	Reduction None Technical Losses on Distribution - Bob Thompson, Moloney Electric Inc	TECHNICAL TOUR 1 Diesel Power Station - Isla MAN/66kV Sub Station Aggreko Plant and Mundo Nobo Plant/ Tera Cora Wind Farm Project	
	SUB THEME : Grid Performance Optimization		
3:10PM -3:50 PM	Distributed Energy Storage-Optimizes Renewable Energy and Enhances Distribution Network Performance - Pablo Rosenfeld, ABB Inc		
3:50 PM - 4:30 PM	Hybrid System Approach to Optimize Grid Performance - Salvador Palafox, S&C Electric Company		
4:30PM - 5: 10 PM	Achieving High Penetration of Renewable Generation in Island Networks through the use of Energy Storage - Jim Mcdowall, Saft America Inc		

Harnessing the world's Natural Resources for a greener, cleaner future



For hundreds of years the wind has turned windmills, flown kites and filled sails. NuCapital now harvests the wind to create clean, renewable, sustainable and cost-effective energy without leaving a carbon footprint. Curaçao's consistent and windy coastline provides ideal conditions for wind power generation, a clean energy source that will light the way ahead and leave a clean world behind.



NuCapital is co-sponsor of CARILEC 2011 conference



Conference Agenda at a Glance

Tuesday 26th July, 2011

Time	Transmission & Distribution	Generation	Management
	Keynote Panel: Business Adaptation Strategy		
8:10: AM- 8:50 AM	The advantages of Implementing quality management systems in utilities, the INK model - Austin Martina		
8:50 AM - 9:30 AM	Human Resource Transforming Power Utilities - Gio Pietersz, KPMG		
9:30 AM- 10:10 AM	How T&D and Production can benefit from good HRM support (Aqualectra's Experience) - Carla Martina, Aqualectra		
10:10 AM -10:55 AM	Coffee Break		
	SUB THEME: <u>Some Safety Considerations for T&D Systems.</u>	SUB THEME: <u>Strategies for Reducing the Cost of Electrical Power Production.</u>	
10:55 AM -11:35 AM	Considerations for the Application of Protection to VINLEC's 33kV Transmission System - Peter Watson, Parsons Brinckerhoff	Gas Turbine Compression Management - John Griffith, Barbados Light and Power	Satellite™ Series LED Lighting System - Mr. Chuck Cartmill, LED Roadway
11:35 AM-12:15 PM	Transformer Failure prevention by Gas-in-Oil On-Line Monitoring The impact of DGA accuracy in the evaluation of fault evolution - Claude Hermann & Miguel Ceballos, Company Morgan Schaffer Inc.	Lubricating Oil for 4-Stroke Engines Burning Heavy Fuel - Douglas Mc Clean, Shell	Energy Efficiency for Caribbean Hotel: Unique Opportunities for Climate Change Mitigation Ujjwal Bhattacharjee, Tetra Tech - Loreto Duffy Mayers, Chenact Project, Caribbean Hotel & Tourism Association (CHTA)
12:15:PM -1:30 PM	Lunch Break		
	SUB THEME: <u>Sustainability and Adaptation</u>		
1:30 PM - 2:10 PM	Improving line workers safety when troubleshooting distribution transformers with internal faults - Paul Henault, IFD Corporation	Breakers and Fuses in Smart Grid Environments and Renewable Energy Systems with DC Voltage - Mitja Korprvsek, Elektroelement dd	Using Benchmarking in Developing Key Performance Indicators - Viren Adjodhia , KEMA
	TECHNICAL TOUR 2 Visit SCADA at Nieuwe Haven/Sub station Nijlweg	SUB THEME: <u>Utility Commitment to Integrating Renewable Technology onto the Grid.</u>	Improving Utility Services with GIS - Inca Dowling,K4S
2:10PM - 2:50 PM		Wind Farm Integration and Overcoming Frequency Issues on the Island of Nevis - Dr. Samuel Jupe, NEVLEC	
2:50PM - 3:30 PM		Ecopower Bonaire, the way to sustainable energy supply for Bonaire - Gilbert Gouverneur, Ecopower	
3:30 PM - 3:50 PM	Coffee Break		
3:50 PM - 4:30 PM	TECHNICAL TOUR 2 Visit SCADA at Nieuwe Haven/Sub station Nijlweg	Geothermal Activities in the Eastern Caribbean - Anelda Mayardc/ CARTWRIGHT Farrell, NEVLEC	Climate Change Adaptation Strategies for Caribbean Electric Utilities - Andrew Thorington,CARILEC
4:30PM - 5:10 PM		Smart Grids; A world-wide perspective of advanced technologies for electric an water utilities. How to identify solutions that deliver measurable value for Carilec members - Ronald Chebra, Kama	

Wednesday 27th July, 2011

Time	Transmission & Distribution	Generation	Management/General
	Keynote Panel:		
8:30: AM- 9:10 AM	Carbon Markets Implications for the Caribbean - Alfredo Caprile, IT Power Latin America		
9:10 AM - 9:50 AM	Integration principles and experience of renewables in island systems and production mix - Rudy Hakvoort, D-Cision		
9:50 AM- 10:30 AM	Findings of a study done in the Caribbean on Sustainable developments the success stories - Davis Ince		
10:30 AM - 1:15 AM	Coffee Break		
	SUB THEME: Considerations for Renewable Energy Infrastructure Developments	SUB THEME : Reduce Emission Increase Efficiency	SUB THEME: Challenges and Opportunities for Renewable Energy Deployment
11:15 AM - 11:55 AM	Solar Power Technology and Infrastructure Development in Caribbean - Hiteshkumar Patel / Joel Cipicic, Mas Tech	Technologies for reducing emissions and increasing efficiency - Mike Cucuz/Phillip Lenz, MAN Diesel	Renewal Generation Integration Challenges - Carl Wikins, Quanta Technology
11:55 AM-12:35 PM	Direct Current Submission - Owe Augustat, Siemens	2-Stage Turbo charging for Reduced Emissions - Martin Moss, ABB Inc	Market Opportunities For Photovoltaic In The In The Caribbean - Ruben Smith
12:35:PM - 1:50 PM	Lunch Break		
1:50 PM - 4:30 PM	TECHNICAL TOUR 3 Visit Wartsilla Power Station at Dokweg		



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