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POWERING LATIN AMERICA AND THE CARIBBEAN

14-16 November 2018
Panama

Agenda

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PRE CONFERENCE DAY – 14 Nov. Wednesday

<p>17:00 – 18:30 Workshop – Central America & Caribbean Regional Integration Action Plan Hosted by:</p>	<p>17:00 – 18:30 Workshop – Panama as an investor friendly hub for the region Hosted by:</p>	<p>17:00 – 18:30 Workshop – US trade and technology for central America and Caribbean Hosted by:</p>
<p>18:30 – 19:00 Forum Welcome address's and Opening Remarks</p>		
<p>19:00 – 21:30 Welcome Cocktail Drinks Reception</p>		

CONFERENCE DAY 1 – 15 Nov. Thursday

<p>7:30 – 9:00 Registration & Welcome Coffee</p>
<p>9:00 – 9:10 Welcome Remarks</p>
<p>9:10 – 9:30 Country Host Presentation. Panama was recently ranked third in a study as one of the most attractive countries in to which invest in clean energy. Due to its strategic location, Panama is key to plans to connect the electricity grids of North and South America. Speaker; Isaac Castillo, Sub Secretary of Energy, National Secretariat of Energy, Panama</p>
<p>9:30 – 10:30 Public Leaders insights; The potential market for Clean Energy in Central America and the Caribbean. The region's dependence on oil and hydropower has led to concerns about energy security, especially given recent, extremely dry weather that has resulted in electricity shortages.</p> <ul style="list-style-type: none"> • Clean energy development is essential to address the region's key energy challenges • Regulatory measures to transform the electricity system and mitigate the effects of climate change • Policies, incentives, and political support that have been introduced in the last five years. <p>Moderator; Speakers; Roberto Meana, General Manager, Autoridad Nacional de los Servicios Públicos (ASEP), Panama Luis Chang, Minister of Energy and Mines, Ministry of Energy & Mines, Guatemala Isaac Castillo, Sub Secretary of Energy, National Secretariat of Energy, Panama</p>
<p>10:30 – 11:00 Coffee & Networking Break</p>
<p>11:00 – 11:20 Sponsor Keynote; Speaker;</p>
<p>11:20 – 12:20 Panel Discussion; Transition towards sustainable energy.</p> <ul style="list-style-type: none"> • Generation: from thermal power to increased wind, solar, hydro, biomass, geothermal and other forms of renewable energy. • Natural Gas & LNG as a partner for Renewables • Demand, declining costs and electric power infrastructure. • The falling prices of renewables and their abundance in the region. • Necessary financial and political mechanisms for supporting domestic and international investors <p>Moderator; Speakers; Victor Carlos Urrutia, National Secretary of Energy, National Secretariat of Energy, Panama</p>

Tito Sanjurjo, Director of Operations, **InterEnergy Holdings**
Miguel Bolinaga, President, **AES Panama**
Jose Ramon Gomez, Senior Energy Specialist, **Inter- American Development Bank**

12:20 – 12:40

Keynote: Energy Storage & Batteries - New Trends in the New Power Era

Battery storage is mature, costs are coming down, and technological progress are improving their performance.

Speaker:

12:40 – 13:00

Keynote: Energy Efficiency & Smart Grids - New Trends in the New Power Era.

The smart grid's ability to improve safety and efficiency, make better use of existing assets, enhance reliability and power quality, reduce dependence on imported energy, and minimize costly environmental impacts.

Speaker:

Leonardo Benitez, Director, Head of utilities, **Indra**

13:00 – 14:30

Lunch & Networking Break

14:30 – 15:30

Panel Discussion; Regional Energy Integration in LAC;

- Central American countries have commissioned the creation of a regional grid (SIEPAC) that will allow for cross-border power trade.
- Colombia-Panama electricity interconnection project (ISA), which will see the construction of a 600-kilometer wide transmission line between the two neighbouring countries.
- Physical, regulatory, institutional and political issues on both national and regional levels as part of an effective integration plan.
- Steps need to be taken to fully exploit benefits of integration.
- Identify opportunities to collaborate with SIEPAC and drive the synchronisation of regional renewable energy plans

Speakers;

Gilberto Ferrari, General Manager, **Empresa de Transmisión Eléctrica (ETESA)**, Panama

Jesus Mejia, President, **EPR- SIEPAC** & General Manager, **Empresa Nacional de Energía Eléctrica (ENEE)**, Honduras

Javier Orozco, Director Planning and Electric Development, **Instituto Costarricense de Energía**, Costa Rica

16:00 – 16:30

Coffee & Networking Break

16:30 – 17:00

Analysis: Securing Energy following Natural Disasters.

- Distributed generation to advance the region's energy security.

Speaker:

- Benefits of microgrids in a region faced by climate risk.

Speaker:

17:00 – 17:45

Industry Dialogue: Renewable Energy Tenders:

- Lessons learnt from utility-scale tenders
- Up and coming plans for tenders
- Attracting and structuring finance for wind power projects
- Operational and logistical best practice for project development

Participants:

Jose Nieto, Managing Director Latin America, **JCM Power**

Ignacio Rodriguez, Director, **Tetra Tech**

Alexandra Planas, Senior Energy Specialist, **Inter- American Development Bank**

19:00 – 22:30
 Sponsored AGS Launch Party

CONFERENCE DAY 2 – 16 Nov. Friday

8:30 – 9:30 Registration

9:30 – 10:30
Panel Discussion; Financing the energy sector in Central America and the Caribbean
 Challenges, risks and opportunities.

- Tailoring the right funding structure for an energy projects development
- Assessing the risk profile of the region’s energy sector
- Evaluating the project finance and investment appetite in 2018 and next 2019.
- Debt, equity and finance: Structuring investment and debt for clean energy

Moderator:
 Speakers:
Laura Andersen, Program Director, Global Energy Group, **Overseas Private Investment Corporation**
Hector Chinchilla, Director of Panama, **Central American Bank for Economic Integration**

10:30 – 11:00
Environmental, Regulation & Policy Insights;

- Manage community engagement in the reconstruction of energy infrastructure.
- Regional ambitious policy statements that show a political will for the further advancement of renewables.

Moderator:
 Speakers:
Esteban Barrientos, General Manager, **Ensa Grupo EPM**
Alejandro De Jesus, Panama Country, **Environmental Resources Management**

11:00 – 11:30
 Coffee & Networking Break

11:30 – 12:30
A Sustainable Energy Mix; Potential & Development

- Wind has been harnessed to produce energy at utility scale in Central America and the Caribbean: Current status and future opportunities.
- Solar and biomass enormous potentials throughout the region.
- Estimates of regional geothermal resources and range from 2,700–13,000MW across about 50 different sites.
- What is the opportunity for clean decentralized/off-grid energy and what are the latest innovations

Moderator:
 Speakers:
Patrick Doyle, Managing Director, **MGM Innova Capital LLC**

12:00 – 12:45
Summit Conclusions; The Path Forward
 Highlighting Power Opportunities & Future Energy

12:45 – 14:15
 Lunch & Networking Break

14:15 – 17:30
 Site Visit: Panama Canal

Speakers:

- **Victor Carlos Urrutia**, National Secretary of Energy, **National Secretariat of Energy, Panama**
- **Isaac Castillo**, Sub Secretary of Energy, **National Secretariat of Energy, Panama**
- **Luis Chang**, Minister of Energy and Mines, **Ministry of Energy & Mines, Guatemala**
- **Roberto Meana**, General Manager, **Autoridad Nacional de los Servicios Públicos (ASEP), Panama**
- **Ricardo Ramírez**, General Director, **Unidad de Planeación Minero Energética (UPME), Colombia**
- **Miguel Bolinaga**, President, **AES Panama**
- **Jesus Mejia**, President, of **EPR- SIEPAC** & General Manager **Empresa Nacional de Energía Eléctrica (ENEE), Honduras**
- **Javier Orozco**, Director Planning and Electric Development, **Instituto Costarricense de Energía, Costa Rica**
- **Thorsten Dradrach**, Head of Americas Region, Business Unit Power Plants, **Man Diesel & Turbo North America Inc**
- **Laura Andersen**, Program Director, Global Energy Group, **Overseas Private Investment Corporation**
- **Jose Nieto**, Managing Director Latin America, **JCM Power**
- **Leonardo Benitez**, Director, Head of utilities, **Indra**
- **Gilberto Ferrari**, General Manager, **Empresa de Transmisión Eléctrica (ETESA), Panama**
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