

7th Biomass Pellets Trade & Power

16 - 19 May 2016, Tokyo
Tokyo Marriott Hotel

メイン会議は日本語英語同時通訳を提供します

The main conference will provide a Japanese-English simultaneous interpretation

Day One - Monday, May 16th

~ Separately Bookable ~

Pre-Conference Workshop on Black Pellets (09:00 – 17:00)

Facilitated by Biomass Experts from **Energy Research Centre of the Netherlands, ECN & RWE Generation NL**

Workshop Agenda

- 08:30 Workshop Registration & Coffee
09:00 **Introduction; Modern Day Black Pellets & Background**
Michiel Carbo, Research Engineer - biosyngas, bioSNG and BECCS
Energy Research Centre of the Netherlands (ECN)
09:00 **Torrefaction & Steam Explosion Pellets: Advantages & Disadvantages**
Michiel Carbo
11:30 **Current Black Pellets Technology Overview**
Michiel Carbo
12:30 Workshop Luncheon
13:30 **Market Developments**
Michiel Carbo
15:30 **Co-Firing of Black Pellets in Pulverized Coal Fired Power Stations**
Dr. Ir. Wim Willeboer, Strategic Engineer, Process Technology, RWE Generation NL
Michiel Carbo
16:45 **Future Outlook of Black Pellets**
Michiel Carbo
17:00 Conclusion & End of Workshop

Day Two - Tuesday, May 17th

SUMMIT DAY 1

- 08:00 Registration and Coffee
09:00 Chairman's Welcome & Remarks
Matt Bovelander, Senior Consultant Bio Solutions
Indufor Asia Pacific Ltd
09:10 **Impact of Electricity Market Reform on Japan's Generation Mix**
Miho Kurosaki, Power & Gas Senior Analyst
Bloomberg New Energy Finance



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09:35 Biomass Opportunities in Japan's Electricity Generation & FIT System

- Electricity generation by source & carbon emission pre & post Fukushima disaster
- Japanese FIT system
- Actual buying electricity under FIT
- What Sumitomo has been doing in biomass opportunity

Yoshinobu Kusano, General Manager, Biomass Business Team, Sumitomo Corporation

10:10 Networking Refreshments @ Biomass Pellet Trade & Power Exhibition. **Sponsored by**



10:50 Changes of Energy Policy in South Korea & Opportunities for Domestic/Imported Biomass

- Updates on South Korea's Energy & Climate Change related Policy (RPS) & Response of the Energy Business Market
- Progress of Emission Trading, District Heating & Renewable Heat Obligation (RHO) in South Korea
- Opportunities for Domestic/Imported Biomass Corresponding to the Policy & Public Opinion

Jihyun Park, Kelly, Manager, Green & Renewable Energy Business Team Strategic Business Development Division
Hanwha Corp (HQ)
Junghun Kim, Manager
EnerOne, Inc.

11:45 China's Effort to Curb Coal Emission & Corresponding Impact/Opportunities for Biomass Utilisation

Weiquan Wang, Vice Secretary General
China Renewable Energy Industry Association

12:15 Japan & Korea: Developments in Policy Instruments & their Impact on Demand for Internationally Traded Biomass

- Market developments
- Demand projections
- Developments in policy instruments and their potential to impact demand
- Demand projections revisited: Possible and likely future demand for pellets

Matt Bovelander, Senior Consultant Bio Solutions
Indufor Asia Pacific Ltd

12:50 Networking Luncheon

14:10 Afternoon Chairman: *Brodie Govan, Biomass Broker* **Voyage Power**

14:15 Biomass Pellets & Power Status in Thailand

- Biomass feedstock status & development
- Domestic demand outlook for biomass power
- Wood pellet production capacity & export potential

Wattanapong Thongsoi, Managing Director
Tipawat Corporation Limited

14:40 Vietnam Pellets Biomass

- A young growing business with huge potential
- Prepare for sustainable business with Japan market
- Right product with a right price to keep the biomass in Asia stable and alive

Andy Bui, International Sales Director
An Viet Phat Energy Co., Ltd

15:05 Analysis of Palm Kernel Shells (PKS) Market Dynamics: The Impending Supply/Demand Imbalance

Oliver Mauss, Managing Director
Asia Resource Partners Pte. Ltd.

15:30 Networking Refreshments @ Biomass Pellet Trade & Power Exhibition. **Sponsored by**



16:00 The Emergence of Russia as a Major Wood Pellet Supply Hub

- Insight into how much Russia is producing & future growth potential
- Shifting economics of European vs. North American supply
- Can Russia overcome the logistical challenges & progress on certification?

Simon Rodian Christensen, CEO
CM Biomass Partners A/S

16:25 Risks along the Wood Pellet Supply Chain

(forest, raw material transportation, manufacturing/pelletizing, shipping to port, storage, ship loading, ocean transportation, unloading and etc.)
Vaughan Bassett, Senior Vice President, Sales & Logistics
Pinnacle Renewable Energy

16:50 The Fight for Fibre. International Supply & Demand Impacts on the Price of Biomass Supplies into Japan & Korea

- Wood pellet supply options into Japan and Korea
- How does wood pellet pricing compare from different regions
- What are the challenges and advantages from each region
- The reasons for the increasing switch to wood chips internationally for use as a biomass fuel and its use as an alternative from PKS
- International impacts on the price of wood chips into Japan

Brodie Govan, Biomass Broker
Voyage Power
Cindy Dawes, Director
IBBrokers

17:20 Biomass Supply Panel Discussion

- Comments on each country's wood pellets in terms of price, sustainability and specification
- Perspective on importance of performance and credit risk in contracting and negotiation
- Sustainability of wood pellets/biomass products and how far have they met buyers' requirement
- Primary export markets and is there currently a domestic market emerging in each supplier's own country?
- In terms of security of supply, how do suppliers mitigate for fluctuating raw material costs. Can they lock these cost in to match a long term off take?
- What is the outlook for the next 12-24 months?

Moderated By:

Brodie Govan, Voyage Power

Panel

Wattanapong Thongsoi, Tipawat Corporation Limited
Vaughan Bassett, Pinnacle Renewable Energy
Oliver Mauss, Asia Resource Partners Pte. Ltd.
Andy Bui, An Viet Phat Energy Co., Ltd
Simon Rodian Christensen, CM Biomass Partners A/S

18:00 End of Day 1

18:05 - 19:05
Networking Cocktail Reception
at Biomass Pellets Trade & Power Exhibition

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Day Three - Wednesday, May 18th

SUMMIT DAY 2

08:00 to 09:30 **Breakfast Talk - Solid Biomass Fuel Characteristics & Sourcing Considerations**

1. Biomass Fuel Options

- An examination of wood chips (domestic & imported), wood pellets (white & black), PKS, empty fruit bunches, bagasse, and other options.
- Consider the physical & chemical characteristics of each fuel, and comparative costs.
- Current biomass combustion systems available & determining the best fuel option for each application.

2. Biomass Sourcing Options

- Examine different sourcing regions around the world.
- Look at fibre characteristics, long term sustainability, logistics, social & political risk, and foreign currency risk.
- Environmental and economic considerations in biomass sourcing.
- Options for biomass procurement procedures & contracts.

3. Environmental Benefits of Biomass

- Why is biomass use controversial & why do many NGOs oppose the use of biomass?
- What are the myths & facts concerning greenhouse gas benefits? Why is it important to counter those myths?
- Why is demonstrating biomass sustainability so important & what lessons can be learned from the European experience.

4. Demonstrating Biomass Sustainability

- Why is it not sufficient to rely on laws in the sourcing country?
- What is certification and how did it become established.
- What are the main kinds of certification and how did they become established?
- Recommendations for the Korean and Japanese biomass sectors.

Dr. William Strauss, President, **FutureMetrics, LLC**
Gordon Murray, Executive Director,
Wood Pellet Association of Canada - WPAC

09:30 **Chairman's Remarks**
Matt Boveland, Senior Consultant Bio Solutions
Indufor Asia Pacific Ltd

09:35 **Sustainable Sugarcane Biomass**

- Cosan & Brazilian Agricultural Market Overview
- Sugarcane Potential for Biomass Pellets
- Cosan Biomassa Activities

Mark Lyra, CEO
Cosan Group / Cosan Biomassa S.A.

10:00 **Innovative Pellet Production at Different Scales**

- Comparison of Different Pellet Plant Concepts
- From Idea to a Tailored Pellet Plant: Obstacles & Milestones
- Technology Outlook



Sven Rudnick, General Manager
Rudnick & Enners GmbH

10:25 **Technical Perspective from A Decade's Experience with High Percentages Biomass Co-Firing**
Dr. Ir. Wim Willeboer
Strategic Engineer, Process Technology
RWE Generation NL

11:00 **Networking Refreshments @ Biomass Pellet Trade & Power Exhibition**

11:30 **Oji Group's Involvement in the New FIT Scheme for Biomass Energy**

- Introduction of Oji Group
- Situation of FIT scheme Biomass Boiler in Japan
- Outlook of wood resources market in Japan

Kazuhiko Kamada, Director of the Board;
Executive Officer; President, Forest Resources & Environment Marketing Co.
Oji Holdings Corporation

11:55 **Japan's Wood Biomass Power Generation Under FIT at the Turning Point**

- Status-quo of wood biomass power generation under FIT
- Conflicts with existing wood industries
- Potential of imported wood biomass in Japan

Kiyoshi Kamikawa, Managing Director
Japan Paper Association

12:20 **Smart Blending in Co-Firing Strategies: Lessons Learned in Europe for Asian Markets**
Edze Diemer, Senior Business Developer,
Biomass & Energy Efficiency
Energy Research Centre of the Netherlands (ECN)

13:00 **Networking Luncheon**

14:15 **Afternoon Chairman:**
Gordon Murray, Executive Director
Wood Pellet Association of Canada - WPAC

14:20 **Operating an IPP Biomass Power Plant in South Korea (Case Study Ulsan IPP's SRP & Biomass Utilization)**

- Ulsan IPP & biomass sourcing matters
- Fuel Economics Comparison at Ulsan IPP: SRP vs Biomass
- Opportunities in developing IPP Biomass Power Plants in South Korea

Michael Paik, Executive Director
Lantern Advisory & Investment

14:45 **Design & Construction of the Pulverized Coal & Biomass Fired Power Plant**

- Outlook of Japanese situation
- New technology to achieve high biomass co-firing ratio
- Requirement to biomass supply

Yoshihiro Hamaguchi
Director, Head of Power Business Department
Gas and Power Co., Ltd

15:15 **Woody Pellet Co-firing for Pulverized Coal Fired Power Plant**

- Ability to boost the biomass co-firing ratio to as much as 25%
- Retrofitting the pulverizers can achieve the high ratio co-firing of wood pellet

Emi Oono, Combustion Engineer & Manager
IHI Corporation

15:45 **US Wood Pellets – A Sustainable, Reliable, Competitive Fuel Supply Solution**
Thomas Meth, Executive VP, Sales & Marketing
Enviva LP

16:20 **Final Discussion followed by End of Conference**

Day Four - Thursday, May 19th

~ Separately Bookable ~

Post-Conference Site Visit to Soma Kyodo's Shinchi Power Plant
(07:00 – 20:00)

Details of Shinchi Power Plant:

Co-firing wood pellet & coal at PC boilers
Co-firing percentage: currently up to 3%

- 06:45 Site Visit Registration & Board Bus at Tokyo Marriott Hotel
- 07:00 Depart Tokyo Marriott Hotel
- 07:45 Arrive at Tokyo Station
- 07:55 Take Shinkansen to Sendai
- 09:30 Arrive at Sendai Station & Board Chartered Bus
- 10:10 Arrive at Zuiho-en for 40 minutes Self-Guided Walk
- 10:50 Board Bus & Depart for Lunch
- 11:30 Lunch (Japanese)
- 12:20 Board Bus & Depart for Shinchi Power Plant at Soma
- 13:30 Arrive at Shinchi Power Plant for Site Tour & Presentation
- 16:00 Board Bus & Depart for Sendai Station
- 17:30 Take Shinkansen to Tokyo Station
- 19:05 Arrive at Tokyo Station & Board Bus for Tokyo Marriott Hotel
- 19:45 Arrive at Tokyo Marriott Hotel

Per Person Fee for:

| | (USD) |
|--|---------|
| Conference (17-18 May) | |
| Regular Fee for 1 | 1995.00 |
| Group Fee for 3 or more | 1495.00 |
| Pre-Conference Workshop-16 May | (USD) |
| Pre-Conference Workshop on Black Pellets | 1095.00 |
| Post-Conference Site Visit-19 May | (USD) |
| Soma Kyodo's Shinchi Power Plant | 595.00 |

3 Ways To Register

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Tel: (65) 6346 9218