

3rd annual

# Natural Gas Power Generation US Conference & Exhibition 2016

9-10 May 2016 // Hilton Philadelphia at Penn's Landing, PA, USA

Researched & Organized by



HUGE \$\$\$ DISCOUNTS when you register before March 18th

## Construct, Develop, and Finance Time Critical Gas Power Generation Projects

Almost 40% of the United States' coal fleet have been announced to retire since 2010 and this gap will be bridged by gas-fired power generation. This conference is a one stop shop for the construction and development of gas-fired power projects.

### An Incredible Speaker Line-Up:



Bill Nordlund  
Managing Director  
**Panda Power Funds**



Ronald Brisé,  
Commissioner,  
**Florida Public Service Commission**



Peter Furniss  
CEO  
**Footprint Power**



Gary Helm  
Lead Market Strategist for Emerging Markets  
Chief Commercial Officer  
**PJM InterConnection**



Kenneth Hall,  
Chairman,  
**Gas Turbine Association**

+ **CONSTRUCTION:** Deliver projects on time and keep within your budget margins being assembling a project which will perform with maximum labour productivity and overall supply chain efficiency

+ **RISK:** Discover the best way to minimise risk; hear from subcontractors, key vendors and equipment suppliers on their ability to provide guarantees, take on risk and plan for transport and weather constraints

+ **PERMITTING & FINANCING:** Get to grips with how to secure various agreements and successfully plan business models for power plant projects

+ **REGULATIONS:** Deconstruct what the Clean Power Plan means for your business and strategize how best to work with the entire gas for power generation supply chain for a successful and lucrative plant

+ **SUPPLY:** Assess the current state of play for current pipeline infrastructure and future projects and ensure your gas power plant will be an accessible area

### LOOK WHO ATTENDS THE NATURAL GAS POWER GENERATION CONFERENCE USA

- Vice President – Project Development, **GDF Suez Energy NA**
- Manager - Generation Operations Support, **PJM Connection**
- VP Power Supply & Engineering, **Allegheny Electric Cooperative, Inc.**
- Director Business Development, **Kiewit**
- Managing Director, **B&V**
- Manager Project Engineering, **AECOM**
- Vice President - Business Development, **Kiewit Power**
- VP Business Development – Power, **S&B Engineers and Constructors**
- Account Director, **GE**
- Senior Director - Strategy & Proposals, **CB&I**
- Vice President Major Projects & Construction, **Consumers Energy**
- Global Workforce Services Manager, **Bechtel Corporation**

### 2016 sponsor



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### 2016 expert speakers



BRACEWELL

# Welcome to the Natural Gas Power Generation US Conference and Exhibition

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& Organized by



The surge in the use of clean burning natural gas has driven U.S. carbon emissions from power production to the lowest in 22 years. As the shale revolution demonstrates, the innovative use of new energy technologies along with improvements in energy efficiency not only reduce carbon emissions but also greatly benefit the nation's economy. As the EPA presents their new emission standards and regulations, natural gas-fired generation has officially turned from a future opportunity to a present necessity.

Since 2010 more than 200 coal plants were announced to retire in the USA. That is almost 40% of the entire country's coal plant fleet. Although the Obama administration has extended tax credits and incentives for solar and wind power, renewables will not get the US to even half way of Obama's emissions target, which is at least 26% of what they were in 2005. Therefore natural gas is proving itself to be an integral piece of the energy puzzle. By 2035 natural gas will have far surpassed coal, with 40% of the country's generation projected to be gas fired.

Although there is huge potential for growth in this market, there are many stumbling blocks that could potentially inhibit this area if not dealt with properly. The issues of constraints to construction of new power plants; managing the risk associated with such a project; the infrastructure to deliver supply; and the equipment procurement and design are all a concern.

The failing of a new transmission infrastructure to be fully developed, especially in the North East, is hindering the growth of this market. The situation is understandably frustrating – to have such abundant gas reserves from the Marcellus Shale region readily available and yet not quite the infrastructure needed to capitalise on the supply. This is having an obvious knock on effect on the progression of the region – power plant operators are struggling to commit to firm gas pipeline contracts.

Despite this, the market still continues to shift due to the continued low price of natural gas and the developments in natural gas turbines that have increased energy efficiency. But the fore mentioned issues are still top of the agenda for businesses in this market. It is essential to have the right planning, investment and partnerships in place to move forward with natural gas fuel for power generation.

## CALL ME NOW TO DISCUSS YOUR MARKETING STRATEGY



**Rob McManus**  
Commercial Director  
FC Gas Intelligence

Email [rmcmanus@fc-gi.com](mailto:rmcmanus@fc-gi.com)

Tel int +44 (0) 20 7375 7204

Free US 1 800 814 3459 ext 7204

## CALL ME NOW FOR INFO ABOUT GROUP DISCOUNTS



**Emily Rose**  
Conference Director  
FC Gas Intelligence

Email [erose@fc-gi.com](mailto:erose@fc-gi.com)

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On May 9-10 2015, the 3rd Annual Natural Gas for Power Generation Summit 2016 will address these issues and provide a meeting place for high level stakeholders to develop successful natural gas fired power generation projects. FC Gas Intelligence is bringing together more than 200 senior level power generation professionals in Philadelphia, heart of the PJM area.

The biggest challenges to be covered at the event include:

- **Construction:** Deliver projects on time and keep within your budget margins being assembling a project which will perform with maximum labour productivity and overall supply chain efficiency
- **Risk:** Discover the best way to minimise risk; hear from subcontractors, key vendors and equipment suppliers on their ability to provide guarantees, take on risk and plan for transport and weather constraints
- **Permitting and Financing:** Get to grips with how to secure various agreements and successfully plan business models for power plant projects
- **Regulations:** Deconstruct what the Clean Power Plan means for your business and strategize how best to work with the entire gas for power generation supply chain for a successful and lucrative plant
- **Supply:** Assess the current state of play for current pipeline infrastructure and future projects and ensure your gas power plant will be an accessible area

This is an unrivalled opportunity to learn and build the partnerships, obtain permitting and financing, plus win business to successfully get your natural gas fired project off the ground.

Tickets are limited and will be awarded on a strictly first-come-first-serve basis. Immediate booking is recommended to secure your place. Plus early bird savings if you are fast!

See the full speaker line-up below

<http://events.fc-gi.com/gaspowerusa/>

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**Kenneth Hall**  
Chairman  
Gas Turbine Association



**John Broyles**  
Senior Gas Electric Analyst –  
Grid Operations Department  
NY ISO



**Tim Curran**  
President & CEO  
Global Power Sector  
APR Energy



**Tessa Haagenon**  
Policy Studies  
Engineer  
MISO Energy



**John Davies**  
CEO  
Davies Public Affairs



**Michael Schuster**  
Project Developer  
NTE Energy



**Bob Pease**  
Senior Counsel  
Bracewell LLP



**Thomas Moore**  
Partner  
Mayer Brown



**Kelli Joseph**  
Director Regulatory Affairs  
NRG Energy



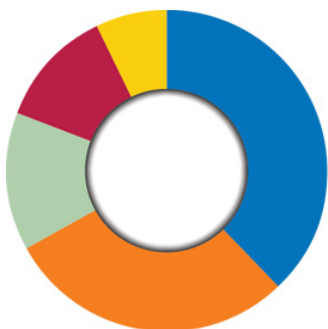
**Dave Magill**  
SVP  
Competitive Power Ventures



**Michael Ducker,**  
Manager Market Research,  
Mitsubishi Hitachi Power Systems



## WHO ATTENDS THE NATURAL GAS POWER GENERATION US CONFERENCE:



- Power generators: **38%**
- EPC firms: **29%**
- OEMs: **14%**
- Gas transmission: **12%**
- Regulators: **7%**

## OTHER COMPANIES INVOLVED LAST YEAR:



Independent Statistics & Analysis  
U.S. Energy Information  
Administration

Over 200 coal plants have been announced to retire since 2010. Therefore there has never been a better time to be involved in the construction of gas-fired power projects. There is huge business to be won in this market area – for example the recent Panda Hummel Power Plant has a project value of \$835m. Want a slice of the pie? Then make sure your company has maximum visibility at this event with a sponsorship package.

## 3 REASONS TO SPONSOR & EXHIBIT:

### 1 BECOME A MARKET LEADER

We will work with you to create a speaking opportunity to best represent your company in front of the Power Generation industry.

### 2 BUILD BRAND RECOGNITION

We will position your brand in front of the industry to increase your exposure and grow your market share.

### 3 INCREASE YOUR VISIBILITY

We will promote your brand through targeted marketing channels.

## BREAKFAST MAINTENANCE WORKSHOP

All new this year we will have a workshop to discuss the latest and most cutting edge maintenance programs. Ensure your core goals of maintaining safety and reliability are met while maximising profit by coming along to this workshop

## CALL ME NOW TO DISCUSS YOUR MARKETING STRATEGY



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## BENEFITS OF SPONSORING AT NATURAL GAS POWER GENERATION 2016

++ Develop a reputation as an industry expert by taking advantage of our finite speaking opportunities.

++ As an exhibitor, your brand will have high-visibility and you'll have optimum face-time with delegates to showcase your services during coffee breaks, lunch and networking drinks.

++ Pre, during and post-conference exposure on marketing material to 100,000+ contacts.

++ Secure long term branding with delegate bags and stationery.

++ High-level visibility through company overviews, seat drops and show guide adverts.

## Previous sponsors include:



See full agenda below

<http://events.fc-gi.com/gaspowerusa/>



## CONSTRUCTION

### Repowering A Coal Plant With Natural Gas – The Case Study of Salem Harbor Station

- The same coal plants that now attract environmental isparagement have for decades been central drivers for their regional electric systems and local economies
- Through outreach and careful restructuring, it is possible to create a new vision for the sites of these plants that is rooted in their historic roles while embracing
- Footprint Power's recent experience closing the financing for the new Salem Harbor Station CCGT will provide a case study

Peter Furniss, CEO, **Footprint Power**

### Labour Workforce Efficiency

- Learn from a top construction company's practices to tackle skilled labour scarcity across the US
- Avoid missing project deadlines and losing out on budget by understanding the impact of limited manpower resources
- Utilize the best strategies to make the most out of the available workforce whether it's in equipment modularization, labour importation or training programmes

### The right gas turbine for your own project

- Hear from the leading market OEMs on their latest products
- Assess which turbine will be best for your business by weighing up the different options offered

Michael Ducker, Manager, Market Research, **Mitsubishi Hitachi Systems Americas Inc**

### The Development Process of a Power Plant from a Legal Perspective

- Get to grips with exactly what a developer needs to be concerned about when planning a gas-fired project
- How lawyers help or hinder the development process to get to the point that is successful
- Know what the pitfalls are and avoid them – learn from different case studies

Thomas Moore, Partner, **Mayer Brown LLC**

### Constructability: How to make structures faster, better, cheaper, and with less risk on weather and safety

- Hear how a leading construction company ensures their structures are built faster, better and cheaper
- Discover what their biggest challenges have been to delivering projects on time and within budget and apply this to you own business strategy
- Hear how factors such as weather and safety must be taken into account to ensure these are not hold ups to project completion

### Supply chain and Relationship Coordination

- Discover just how crucial it is to have a solid relationship along the supply chain to ensure maximum project productivity
- Hear how project leaders have successfully woven a lucrative relationship between their entire supply chain
- Hear what the challenges are to productivity so that you can avoid any issues during your own project

### Maintenance of Power Plants

- Discover the best way to go about securing a successful maintenance plan for long lasting business productivity
- Hear from leading Maintenance providers on the best ways to keep your plant running at optimum capacity
- Get to grips with the economics of a maintenance plan and factor this in to your own business model

## SUPPLY

### Responding to the Lack of Pipeline Infrastructure

- Learn how companies are getting around the infrastructure issue to achieve business success
- Hear from developers who have projects in the pipeline and how they have negotiated the infrastructure question
- Learn first-hand exactly how pipeline companies are working towards greater pipeline infrastructure

Ajey Chandra, Managing Director, **Muse Stancil & Co**

### Interconnect and Fuel Supply Issues in the North East USA

- Get valuable insight into the state of play for gas powe in the NE
- Get an update on the electricity market rules that will improve gas / electric coordination
- Learn exactly what the infrastructure challenges are for gas fuel supply in this area

John Broyles, Senior Gas Electric Analyst – Grid Operations Department, **NYISO**

### G & H Class Turbines and their Greater Capacity Demands

- Understand exactly why these G & H class turbines have greater capacity demands
- Are G & H class turbines feasible for your business? Hear from leading manufacturers and assess
- Hear recent developer success stories who have adopted these turbines and apply their experiences to your own plant design

Ken Hall, Chairman, **Gas Turbine Association**

## BREAKFAST MAINTENANCE WORKSHOP

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## REGULATIONS

### The ISO perspective - potential for gas on the grid

Tessa Haagenson, *Policy Studies Engineer, Mid-Continent ISO*

### The place of gas-fired power generation in the energy mix

- Get insight into how renewables have impacted the place of gas in power generation
- Review how the economics for gas will change as a result of more heavily incentivised renewables in the Clean Power Plan
- Assess the impact of intermittent power supplies as more renewable energy power plants spring up and strategise your own gas-fired project plans to incorporate these changes

Gary Helm, *Lead Market Strategist for Emerging Markets and COCO, PJM Connection*

### How to Overcome Environmentalist & Community Opposition and Accelerate the Approval Process

- How to avoid costly delays or project denials
- How to identify and mobilize public support for power plants and pipeline projects
- How to influence regulators and dominate the regulatory review and permitting process

John Davies, *CEO, Davies Public Affairs*

### FERC and CFTC Enforcement actions pose risk to market participants

- Scope of anti-manipulation authority
- FERC and the CFTC enforcement actions against generators
- Best practices: Compliance measures companies can implement to minimise enforcement risks

Bob Pease, *Senior Counsel, Bracewell LLP*

### Carbon Markets and the Long Term Effect

- Get first-hand knowledge on how a different commodity to coal will change the future
- Understand how the tightening of MACs in the States will affect where grid operators get their fleet moving forward
- Get to grips with which MAC emissions affect each ISO's state and learn how their grid is going to change as a result

Ronald Brise, *Commissioner, Florida Public Service Commission*

## PERMITTING & FINANCING

### Securing a Power Purchase Agreement, a Fuel Agreement and an Interconnect Agreement to get on the grid

- Discover the best ways to secure the various agreements needed for a successful project
- Learn how to win the necessary agreements to get your business linked up to the power grid

### Permitting and the time management issue

- Discover what factors hinder permitting being passed through on time
- Learn what steps your business can take to avoid a lengthy waiting process
- Hear examples of projects which have managed to secure permitting in a timely fashion

### Business Models for Power Plant Projects

- Get key insight into a top operator's current and future natural gas power plant projects
- Learn about successful financial structures to support your power plant project
- Understand your market and make the economics of your project tally up

Bill Nordlund, *Managing Director, Panda Power Funds*

### New Investments in Power Assets

- Be the first to know about new investments in power assets and the revenue drivers that are the basis for these decisions
- Assess the different factors that influence choosing a combined cycle plant or a simple cycle plant

### Financing, Financial Planning and Asset Management

- Leading IPP CPV to give insight into how to financially plan and manage a project successfully for project financing and beyond
- Get to grips with how the asset management arm of CPV's business helps projects adjust to new market conditions
- Exclusive insight into CPV project case studies

Dave Magill, *SVP, Competitive Power Ventures*

## RISK

### What does the Risk of Constructing a Gas Power Plant Look Like?

- Hear from a leading construction contractor about how they measure risk
- Understand the different factors that play into project risk and learn new ways to limit it
- Discover what steps can be put into place to minimise the risk of a power plant construction project

### Costing on an Industrial Construction Site

- Learn how the cheapest procurement deal might add unexpected costs or schedule during the execution phase
- How to strategically marry up EPC contractors, developers and suppliers to optimize procurement processes
- Understand how risk plays into costing and learn the best way to keep the risk down

### Securing Guarantees from Manufacturers

- Learn how securing guarantees on equipment from manufacturers will help share project risk

# Secure your place now!

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Hilton Philadelphia at Penn's Landing, Philadelphia

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## PASS PRICES - SEE HOW MUCH YOU SAVE BY BOOKING EARLY

PASS OPTIONS	SPECIAL LAUNCH Exp. 5 Feb	SUPER EARLY BIRD Exp. 19 Feb	EARLY BIRD Exp. 18 Mar	LAST CHANCE Exp. 15 Apr	STANDARD
<b>Platinum pass</b> <ul style="list-style-type: none"><li>• Full 2 day pass including entrance to conference and exhibition (9-10 May)</li><li>• Access all networking events and lunches including networking drinks</li><li>• PLUS: All post event materials including audio and slide presentations</li><li>• PLUS: Access to the Online Networking Center pre and post conference</li><li>• PLUS: Post event report – an in-depth analysis of the Summit featuring interviews and summaries of the most critical presentations</li></ul>	\$1595	\$1695	\$1895	\$1995	\$2195
<b>Gold Pass</b> <ul style="list-style-type: none"><li>• Full 2 day pass including entrance to conference and exhibition (9-10 May)</li></ul>	\$1495	\$1595	\$1795	\$1895	\$2095

## ENTER ATTENDEE DETAILS

Mr/Mrs/Ms/Dr: \_\_\_\_\_ First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
Company: \_\_\_\_\_ Position/Title: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
Address: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Country: \_\_\_\_\_

## PAYMENT OPTIONS

I enclose a check/draft for: \_\_\_\_\_ Credit card number: \_\_\_\_\_  
(Payable to FC Business Intelligence Ltd) Expiration date: \_\_\_\_\_ Security number: \_\_\_\_\_  
 Please invoice my company: \_\_\_\_\_ Name on card: \_\_\_\_\_  
 Purchase order number: \_\_\_\_\_ Signature: \_\_\_\_\_  
Please charge my credit card: Amex  Visa  Mastercard

### 4 EASY WAYS TO REGISTER

- ONLINE** Secure & simple registration online at [www.events.fc-gi.com/gaspowerusa](http://www.events.fc-gi.com/gaspowerusa)
- EMAIL** [erose@fc-gi.com](mailto:erose@fc-gi.com) Just give us your details and pass type
- CALL** the FC Business Intelligence team on 1 800 814 3459 ext 4347
- FAX** Fill in this form and fax it back to 1800 84 3460

### Cancellation Policy

Places are transferable without any charge. Cancellations before 15th April 2016 incur an administrative charge of 25%. If you cancel your registration after 15th April 2016 we will be obliged to charge you the full fee. NB - you must notify FC Business Intelligence in writing of a cancellation, or we will be obliged to charge you the full fee. The organisers reserve the right to make changes to the programme without notice. All prices displayed are exclusive of VAT unless otherwise stated but, VAT will be charged, where applicable, at the prevailing rate on the invoice date and the relevant details will appear on the invoice. FC Business Intelligence takes every care to ensure that prices quoted are correct at time of publishing however, bookings will only be accepted if there is no material error in the price advertised on the website.

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