



ENRich 2019

Looking back
to look ahead

06 November



Session timing:

1630 - 1730 Hrs
on

6th November 2019

About ENRich 2019

Climate and the world of energy are intricately interlinked. At the turn of the century global economic growth and the need for energy related resources were growing apace. That relation is now significantly altered. While, global GDP is anticipated to double, energy demand is likely to grow only by 30 percent between now and 2040. However, this is not good enough. The world is 1°C hotter than it was about a hundred years ago¹, and local impacts are even more accentuated.

Economies have started transitioning their energy sector to manage the climate imperative. Indian energy sector has also started the transformation. Renewable energy is gaining share in the energy basket, and over time, it will displace carbon heavy alternatives. The economy is moving towards electrification across board. Industries dependent on traditional energy and resources economies need to transition.

We need to navigate effectively for a better future. The new paradigm in energy and natural resources presents opportunities for greater inclusion, employment, economic efficiency, competitiveness and such other. It can also help unleash a new wave of digital revolution because energy infrastructure of the future can become the new internet.

Along with these opportunities, there could be adversities emerging from the energy transition. Energy infrastructure has substantial long-term capital lock-ins, thus timing of new investments is increasingly becoming tricky as are the efforts in financing the high cost high gestation capital assets.

ENRich 2019, the tenth edition of our flagship Energy and Natural Resources (ENR) Conclave, will delve into these issues as it deliberates around the core theme of **Navigating Energy Transition**. The Conclave will deal with various aspects of this transition including on a socially inclusive course to this transition, on technology, investments, manufacturing and deployment, demand side efficiency and promoting the circular economy, resources for shared mobility and energy equity. In a situation that is beset with issues around utility sustainability, cost recovery and return on investments, we will deliberate through its various sessions on how these aspects can be coherently stitched together. The goal would be to evolve a robust landscape where citizens and investors in the energy economy can help evolve a benign energy future that leaves the world for our future generation in as good a place as that the past generations enjoyed.

ENRich 2019 themes

- A sustainable agenda for India
- Investing amidst the energy transitions
- Circular economy in energy and resources
- ENR and the evolving Autonomous Connected Electric and Shared (ACES) Economy

The discussions in ENRich 2019 will be captured through a post-event brief for policy makers and sector professionals.



¹ Data in this paragraph abstracted from The Economist, September 20, 2019



Session context

At the concluding session of ENRich 2019 we will pull together the thoughts and ideas generated through the sessions and aim to identify the broad strands of actions aligned to the event theme of **Navigating Energy Transition**. The roundtables on November 5 and the plenary sessions on November 6 at ENRich 2019 will deliberate on a range of issues around energy transitions. Some of these issues are inherently complex, not just technically but also from a policy standpoint since the direction that the sector takes touches all the 130 crore citizens of the country in terms of equity, quality of life, livelihood and employment opportunities. In the final session on November 6 we will place the issues before a senior panel from Government, the industry and KPMG global leadership. The interactive session will feature a presentation and video collage of the deliberations to set the context for the panel. Thereafter, through questions to the panelists the panel moderator will elicit responses on matters of sector strategy, policy and regulation with an aim to develop an action agenda. The results of a series of polls held during the day will also be presented to the panel to convey the mood of the audience around the key themes discussed at Enrich 2019.

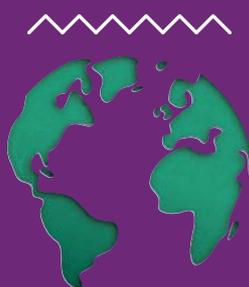
The summary actions identified through the moderated discussion in this concluding session would guide the post conference briefing document.



Key takeaways from ENRich 2018

A similar exercise was undertaken during ENRich 2018 and following were the Key Takeaways that emerged from the deliberations.

1. Despite intractable challenges in certain areas the country has made great progress in areas like energy access through transformational schemes like Ujjwala (LPG), Saubhagya (universal electricity access), Ujala (LED), etc. These transformational initiatives have demonstrated India's prowess and needs to now be extended to other scalable initiatives.
2. India must take radical and unconventional measures across the energy chain to reduce oil dependence.
3. On matters of sustainability the measures proposed must address the head and the heart- i.e., they must be cost effective while meeting environmental and sustainability goals- and India has shown that it is possible at scale.
4. Data is one of the biggest resources, and efforts need to be made to increasingly use it to plan for the demand and capacity addition.
5. Digital tech along with Artificial Intelligence (AI)/Machine Learning (ML) and advanced analytics is the new wave that the sector must embrace across the chain.
6. Customer centricity is essential across the chain and digital can significantly help in this.
7. EVs are the coming reality that we must embrace, however there is a need to ensure that we play the entire value chain.
8. The sector is short on new age capabilities and we must invest in them. Major players including the utilities need to chalk out a conscious plan.
9. Coal issues and power distribution reforms remain areas of action that need focus and ENRich as a platform must embrace the challenges.
10. The ENR sector lacks diversity and this limits the resource pool and capabilities in the sector. Embracing diversity would be essential to modernise the energy sector.



Featured Speakers

Dr. M. M. Kutty

Secretary Petroleum & Natural Gas, Government of India

A 1985-batch IAS officer with more than three decades of experience. Key positions held with MoUD, MoEFCC and DEA. Has made significant contribution made towards good governance and better delivery of services in the country



S. N. Sahai

Secretary Power, Government of India

Senior IAS officer involved in infrastructure development across energy, transport and other sectors. Prior to Ministry of Power was the Principal Secretary, Finance, Home, Planning and CMD, Delhi Finance Corporation

P.K. Pujari

Chairman, Central Electricity Regulatory Commission

Close to 4 decades of policy making experience. As the Secretary Power helped country achieve maximum generation capacity and inter-state transmission capacity. Spearheaded launch of UDAY, revised Tariff Policy 2016 and developed the new coal linkage policy for power plants



M. K. Surana

CMD, Hindustan Petroleum Corporation Limited

More than 37 years of experience in Petroleum Industry in Oil & Gas Business both in upstream and downstream. At HPCL, he has handled various leadership positions in Refineries, Corporate, Information Systems and Upstream business

Anil Sardana

CEO, Adani Transmission Limited

More than four decades of experience in infrastructure sector including power plants, EPC, power transmission, coal washeries and retail power distribution. Previously was the CEO and MD at Tata Power and has had a long 14 years tenure at NTPC



Regina Mayor

Global Sector Head - Energy & Natural Resources, KPMG

With more than 25 years' experience, she specializes in delivering large-scale business and technology changes to leading energy companies globally. She is also the U.S. National Sector Leader (ENR) and in both her roles, she helps determine the Firm's strategy to better serve the ENR sector

Anish De – Presenter/ Moderator

Partner, National Head, Energy and Natural Resources, KPMG in India

More than two and half decades of experience in the ENR sector. Seasoned power sector expert specializing in energy market design, regulation, pricing, energy trading, renewable energy, fuels and utility regulation and transactions



KPMG in India contacts



Nilaya Varma
Partner and Leader
National – Markets Enablement,
KPMG in India

Mobile: +91 98100 85997

Email: nilaya@kpmg.com



Anish De
Partner, National Head,
Energy and Natural
Resources, KPMG in India

Mobile: +91 98104 53776

Email: anishde@kpmg.com

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