

# **The Second Iran Renewable Energy Conference and Exhibition 2017**

## **Agenda**

**Oct 30<sup>th</sup> – Nov 2<sup>nd</sup>**

**IRIB International Conference Center**

**Iran Renewable Energy Association**

**(IrREA)**

**Day 1: Monday, October 30th, 2017 – Sheikh Mofid Hall – DNV-GL Company Workshop**

**Day 2: Tuesday, October 31st, 2017 – Khajeh Nasir Hall - Macro Environment of Renewable Energy: Plans and Policies of Government and the Iranian Parliament's Laws – Challenges and Solutions, Investment and Financial Interactions Opportunities Panel, Legal Panel – B-B Meetings**

**Day 3: Wednesday, November 1st, 2017 –**

**Feyz Hall: Solar Energy panels,  
Sheikh Attar Hall: Wind energy panels,  
Sheikh Mofid Hall: Biomass Energy and WHR**

**and B-B Meetings**

**Day 4: Thursday, November 2nd, 2017 – Sheikh Mofid Hall – International Renewable Energy Agency (IRENA) Workshop**

**Day 2 – Tuesday, October 31st, 2017 - Khajeh Nasir Hall**

**Keynote Speakers from the Government and Industry**

**Defining the macro environment of renewable energy: Plans and Policies of the Government, The Iranian Parliament's Laws, Challenges and Solutions**

**7:30-8:30: Registration and Breakfast**

**8:30-8:35: Quran**

**8:35-8:40: National Anthem of Islamic Republic of Iran**

**8:40-8:45: Renewable Energy Video Clip**

**8:45-8:50:**

**Conference Calendar and Plans**

**Seyed Moslem Mousavi Dorcheh, CEO of Iran Renewable Energy Association**

**8:50-9:00:**

**Introduction and Welcome, Defining the aims and main necessities of the conference**

**Dr. Hamid Reza Amirinia, Chairman of the board at Iran Renewable Energy Association and Conference Policy Making Committee**

**9:00-9:15:**

**Ministry of industry, mine and trade's plans on renewable energy**

- Prioritized renewable energy beside the underground mines as national wealth
- Reforming ministry of industry, mine and trade's policies in equalizing the underground mines priority and the renewable energy resources in order to use the national lands
- New policies on renewable equipment's customs tariffs
- Ministry of industry, mine and trade's plans in supporting the renewable industries
- Ministry of industry, mine and trade's plans on energy supply and waste heat recovery of different industries

**Dr. Shariatmadari, The Minister of industry, mine and trade**

**9:15-9:30:**

**The Iranian Parliament's role in renewable energy development**

- Necessity of revising Iran's laws and plans in supporting the renewable energy
- Necessity of legislating the comprehensive law of Iran renewable energy
- Prediction of more budget allocation for renewable energy in 1397 (2018-2019)

**Dr. Hassanvand, Chairman of Energy Commission of Parliament, Islamic Republic of Iran**

**9:30-9:45:**

**The macro policies and plans of Ministry of Energy on renewable energy در دوره جدید**

- The latest renewable energy situation in Iran
- Iran's energy outlook (Road map of reaching 5 GW of renewable energy in Iran)
- Diversification strategies in Iran's energy mix
- A comprehensive Iran's market overview and forecasting its growth
- The latest policies of energy ministry in supporting renewable energy
- Electricity pricing and its dynamism over time

- Ensuring long-term performance of the renewable energy assets

**Dr. Ardekanian, candidate of the Ministry of Energy**

**9:45-10:00:**

**International interactions of renewable energy after JCPOA**

- Renewable energy priority beside the nuclear energy in order to diversifying the Iran's energy resources
- JCPOA effects on financial and international interactions facilitation
- Foreign policy plans in attracting international investments

**Dr. Araghchi, Deputy of foreign affairs Ministry**

**10:00-10:15:**

**New and Renewable Energy in Korea**

- Best Practices in Policy and Deployment
- Korean companies' readiness to technology transfer to Iran
- Korean banks' readiness for financing the renewable energy projects

**Mr. Kang Sung-Jong, new and renewable Energy Center, Korea Energy Agency of Republic of Korea**

**10:15-10:30:**

**Renewable energy in Iran, past and future**

**Hamid Chitchian, the former minister of Energy**

***The ceremony of commending Mr. Chitchian for his performance on renewable energy development***

**10:30-11:00: Networking coffee break**

**11:00-11:15:**

**New policies and strategies of SATBA in the renewable energy development**

- The structure change from SANA to SATBA, advantages and opportunities
- SATBA's plans for Feed in Tariffs in 1397 (2018-2019)
- SATBA's plans for holding tenders for renewable power plants development?

**Dr. Sadeghzadeh, Deputy of Minister and CEO of SATBA**

**11:15-11:30:**

**New plans and facilities of Organization for Investment Economic and Technical Assistance of Iran**

- New credit lines for financially support the investment projects in Iran such as renewable energy
- Foreign investment in renewable energy and their progress
- The Ministry of Economic Affairs and Finance conditions in the field of Sovereign Guarantee and payment guarantees and foreign financing on renewable energy

**Dr. Mohammad Khazaei, Deputy of Minister and President of the Organization for Investment, Economic and Technical Assistance of Iran (OIETAI)**

**11:30-11:45:**

**Overview of renewable energy role in reducing the greenhouse gases (International commitments of Iran in COP21)**

- Overview of Iran's commitments in COP21
- Renewable energy role in reducing the greenhouse gases
- Overview of policies and plans of Department of Environment on renewable energy

- Mechanisms of attracting international supports in the field of environment

**Dr. Tajrishi, Deputy of Department of Environment**

**11:45-12:00:**

**Assessing the role of domestic renewable energy manufacturers in accelerating Iran's Renewable Energy aims and the challenges they face**

- Understanding the different challenges of renewable manufacturers in Iran
- What challenges do manufacturers and project developers face? Permissions, environmental certificates, grid connection, loans, financing etc.
- Developing tools to help overcome these challenges: What more can government and international partners do?

**Dr. Aliabadi, CEO of MAPNA Company**

**12:00-12:15:**

**Identifying the challenges and experiences of international investors and developers**

- Presenting the presence experience in the field of Iran renewable energy
- Faced challenges in the course (of obtaining SATBA permit, obtaining land, environmental permits, financial transactions, receiving loans, etc.)
- Provide solutions for solving challenges
- Lessons from international space

**Mr. Gerhard Rabensteiner, CEO of KPV Company (The Austrian Company)**

**12:15-12:30:**

**The government plans and arrangements to increase the share of renewable energy resources in the country's energy mix**

- The Management and Planning Organization of Iran (MPO)'s plans to increase the share of renewable resources in the energy mix
- The government plans to increase the sources of renewable power purchase
- The government plans to increase the share of renewable fuel in the gas and gasoline mix of the country
- The government plans to increase the share of renewable heat in gas consumption mix of the country

**Representative of the Management and Planning Organization of Iran**

**12:30-14:00: Networking Lunch**

**Khajeh Nasir Hall**  
**Panel: New Paradigm of Renewable Energy in Iran**

**14:00-15:30:**

**Defining and Analyzing the Challenges and Solutions of Renewable Energy Development in Iran**

- The necessity of coordination among the different organizations in policy making of Iran renewable energy development
- The new governmental, legal and political requirements of renewable energy development
- The different challenges and solutions of renewable energy equipment producers and their development solutions
- The Different challenges and solutions of renewable energy developers ( Land, Grid connection, Long term contract, PPA, Required loans, Environment and ... )
- The necessities of renewable energy technologies development in PPAs.

**Ms. Shaghayegh Mousavi, CEO of CMS Pars Company**

**Mr. Zaferanchizadeh, Director of Non-Governmental cooperation office of SATBA**

**Dr. Ourangi, CEO of Land Affairs Organization of Iran**

**Mr. Mirnejad, General Director of Electricity and Electronic Office of the Ministry of industry, mine and trade**

**Dr. Vatankhah Moqadam, Director at Vice-presidency for science and technology, Energy Technology Council**

**Mr. Pahlevannejad, Governor of Khaf**

**Dr. Moslem Mousavi, CEO of Iran Renewable Energy Association**

**15:30-16:00: Networking Coffee Break**

**Khajeh Nasir Hall**

**Renewable Energy Financing in Iran**

**16:00-17:30:**

**Limited access and high costs of financing and investment mechanisms on renewable energy**

- Limited access and high costs of financing and investment mechanisms on renewable energy
- Understanding the risk of domestic and international banks for financing the projects in Iran
- Examining the various solutions for financing the renewable energy projects in Iran
- Iranian Banking Market: How domestic banks can invest on renewable projects by cooperation of Central Bank of Iran and the international banks?
- Reduction of investment risk in Iran renewable energy projects (Legal risks, Investment, Currency and ... )

**Dr. Jamali, General Director of the Foreign Investment Office of the Organization for Investment and Technology Assistance of Iran**

**Mr. Grabner, Founder and CEO of PV Invest Group**

**Dr. Shaybani, Headquarter member of Quercus International Financial Institution**

**Dr. Afkhami, CEO of Industry and Mine Bank**

**Dr. Aghili, CEO of Middle East Bank**

**Central Bank Representative**

**National Development Fund Representative**

**Day 3 – Morning – Wednesday, November 1st, 2017 –  
Sheykh Attar Hall - Wind Energy**

**8:00-9:00: Registration and Breakfast**

**9:00-9:15: Introduction and Welcome**

**Panel 1: The Challenges and Solutions of Wind Farms Development in Iran**

**9:15-9:30:**

**Wind Power Plants' new challenges**

- The problems and solutions of wind farms developers in Iran
- Foreign investors in wind farms development in Iran
- Land renting of wind power plants developers
- The problems and solutions of the bankability projects of wind power plants

**Dr. Adibfar, CEO of MAPNA Renewable Energy Generation Co.**

**9:30-10:00:**

**International Standards and Procedures for Wind Farm Certificates**

- What are the wind farms standards?
- What are the procedures of obtaining DNV GL certifications?
- How can Iran wind farms projects be bankable?
- Q & A

**Mr. Atif, Regional Manager of DNV GL Company**

**10:00-10:30:**

**The challenges of wind farms grid connections in Iran**

- Defining the increase of purchase tariff of wind electricity localization of their equipment in Iran (The article No.6 of the regulation and the article No.61 of the law on the modification of the energy consumption model)
- What other incentive policies are needed for Iran wind energy development?

**Mr. Gergo Varhegyi, Head of Siemens PTI Middle East**

**10:30-11:00: Networking coffee break**

## Sheykh Attar Hall - Wind Energy

### Panel 2: Innovation, Localization and Technology Development of Wind Turbines Equipment in Iran

**11:00-11:30:**

**What are the motivations and challenges of moving from small and medium wind power plants to large ones?**

- Overview of the domestic ability to manufacture the wind turbine equipment
- The importance of using international ability, skill and technologies in Iran wind power plants development
- Overview on the pricing strategy and domestic advantages of Iran wind power plants development
- Defining the successful model of technology and localization of wind turbine equipment

**Dr. Zabet, Manager of Air and Sun Research Institution of Mashhad Ferdowsi University**

**11:30-12:00: Is it possible to localize wind turbine technologies in Iran?**

- Overview of the domestic ability to manufacture the wind turbine equipment and introducing the top domestic ones
- What domestic companies are active in localizing the turbine wind equipment and what others are intended to enter this market?
- Mutual cooperation and investing opportunities: What are the advantages of cooperation between domestic companies and international ones on wind turbine technology?
- Can Iran become the hub of manufacturing big wind turbines in the region?

**Dr.Mohtadi, Managing Director, MAPNA Pars,**

**Dr.Kavyani, Chairman of the board of Sadid Saba Niroom**

**12:00-12:30:**

**Potential of Technology Transfer of Wind Power Systems Iran and Germany**

**Andreas Gerhard Goldmann · Beuth University of Applied Sciences Berlin**

**12:30-14:00: Networking Lunch**

**Day 3 – Afternoon – Wednesday, November 1st, 2017**

**Sheykh Attar Hall- wind Energy**

**Panel 3: The latest technological trend of wind turbine in the world and its effect on Iran**

**14:00-14:30:**

**The mechanism of using the latest technologies of wind turbines in Iran’s market**

- Defining and describing the existing and future technologies of wind turbines and their advantages
- Defining the rate of return on capital in new technologies of wind turbines
- What is the mechanism of suitable and successful technological cooperation?

**Gamesa representative**

**14:30-15:00:**

**The plans of Vice-Presidency for Science and Technology in supporting the equipment localization**

- Document for knowledge-based development of renewable energy
- The technological priorities of wind turbines from Vice-Presidency for Science and Technology’s point of view

**Vice-Presidency for Science and Technology representative**

**15:00-15:30:**

**The latest situation of wind turbine development in Iran**

- The level of design capability of MW wind turbines in Iran
- The process of wind turbines development in the world
- The road map for wind turbines technologies development in Iran

**Niroo Research Institute representative**

**Feyz Hall**

**General Panel for All Streams**

**۱۶:۰۰-17:30:**

**The great holdings’ role in renewable energy development and the equipment localization**

**17:30-18:00:**

**The closing ceremony**

- Conference closing statement

**Day 3 – Morning – Wednesday, November 1st, 2017 –  
Feyz Hall - Solar Energy**

**8:00-9:00: Registration and Breakfast**

**9:00-9:15: Introduction and Welcome**

**Panel 1: The Challenges and Solutions of Solar Power Plant Development in Iran**

**9:15-9:30:**

**The policies and incentives of local development of solar equipment, challenges and solutions**

- What are the learned lessons from operational development of a solar panel manufacturer in Iran?
- The necessities of industrial development of solar power plants in Iran
- The policies and incentives of local development of solar equipment
- Q and A

**Dr. Mohammad Sadeq Zabihi, Head of laser, photonic and micron-structures technologies development council**

**9:30-10:00:**

**The Experience of domestic solar panels manufacturing, challenges and solutions**

- Examining the capability of manufacturing the domestic solar panels' equipment and introducing the capabilities and top domestic research institutes
- What domestic companies are active in localizing the solar panels equipment and what others are intended to enter this market?
- Mutual cooperation and investing opportunities: What are the advantages of cooperating with domestic companies vs international ones?
- Can Iran become the hub of manufacturing the solar panels in the region?
- Q and A

**Mr. Fardad, CEO of Iranian Taban Energy Development Co.**

**10:00-10:30:**

**Assessing the capability of domestic solar panels manufacturing**

- Does Iran have the necessary raw materials access to establish itself as a panel manufacturing base?
- Even if manufacturing is possible, is it possible to test the cells, modules or panels?
- Examining the capability of manufacturing the domestic solar panels' equipment
- Q and A

**Dr. Eftekhari, CEO of Electronic Sazane Semnan Company**

**10:30-11:00: Networking coffee break**

## **Feyz Hall - Solar Energy**

### **Panel 2: Utility-Scale Solar Power Plants Development**

**11:00-11:30:**

#### **The challenges and experiences of utility-scale solar power plants development**

- The challenges of assessing solar potentials in Iran
- What are the learned lessons from the operational development of a solar power plant in Iran?
- How can we assess these kinds of solar power plants' future?
- What is the experience of policy implementations, governmental tariffs and rules in an operational power plant in order to reach more success in a solar power plant?
- Forecasting the capacity of constructing solar power plants and its key steps
- Q and A

**Mr. Engin Yaman, Middle East Regional Manager of Talesun Company**

**11:30-12:00:**

#### **International Standards and Procedures for Wind Farm Certificates**

- What are the wind farms standards?
- What are the procedures of obtaining DNV GL certifications?
- How can Iran wind farms projects be bankable?
- Q & A

**Mr. Atif, Regional Manager of DNV GL Company**

**12:00-12:30:**

#### **The experience and necessities of solar power plants construction on the water behind the dams**

- The Great Britain's experiences from using the solar panels on dams
- The necessities of solar power plants construction on the water behind the dams
- The technological necessities of these power plants
- Pros and cons
- Q and A

**Dr. Shaybani, Head of British Photovoltaic Association (BPVA)**

**12:30-14:00: Networking Lunch**

**Day 3 – Afternoon – Wednesday, November 1st, 2017 –**

**Feyz Hall- Solar Energy  
Panel 3: Solar rooftop power generation**

**14:00-14:30:**

**Defining the opportunities of distributed and off-grid solar power generation in Iran**

- The current and future opportunities of solar energy development in off-grid areas
- The operational plan of developing the small-scale projects
- The development policies of using solar electricity in small scales
- An overview on installed small-scale solar projects in Iran
- The challenges and solutions of small-scale projects development in Iran
- Q and A

**Mr. Taqipour, Director of Rural Electricity & Energy Office, SATBA**

**14:30-15:00:**

**The role of municipalities in renewable energy development**

- Tehran municipality's plan to develop the renewable energy based on
- The measures have been taken on renewable energy field by municipality of Tehran
- The future plans on renewable energy on Tehran municipality
- Defining the challenges and solutions of solar energy development in public places and buildings
- Q and A

**Dr. Alipour, Head of the environment and sustainable development council of Tehran municipality**

**15:00-15:30:**

**Critical Issues in Large-Scale Power Plants:**

- Positioning a large solar power plant in national electricity grid, and its challenges:
- Investigation of losses; Production imprisonment; Network errors and compliance requirements for network reinforcement to capture production; the Existence of reliable lines for power transmission
- Timing and validation of the network connection license and the necessity of reviewing the studies after the validity period
- Large-scale Power plants Post (above 25 MW)
- Post Equipment, Time, and Post Finance Estimations for the Power Plants (Posts 63 KVA, 132 KVA, 230 KVA, 400 KVA) Price per Kilometers for 132, 230 and 63 KV Lines  
The necessity of post-implementation based on Iranian standards and establishment of telecommunication platform for controllability and production visibility
- Tavanir's regulations on how to keep the post and its ownership (Chapter  
**Mr. Mehrdad Davarifar, Senior Adviser of SATBA**

**Feyz Hall  
General Panel for All Streams**

**16:00-17:30:**

**The great holdings' role in renewable energy development and the equipment localization**

**17:30-18:00:**

**The Closing Ceremony**

- Conference closing statement

**Day 3 – Morning – Wednesday, November 1st, 2017 –**

**Sheykh Mofid Hall - Biomass Energy**

**Panel 1: Comprehensive Waste Management Plan**

**8:00-9:00: Registration and Breakfast**

**9:00-9:15: Introduction and Welcome**

**9:15-9:30:**

**Isfahan City experience in writing the Comprehensive Waste Management Plan**

- Isfahan City experience in the Comprehensive Waste Management Plan
- The process of preparing and approving the Comprehensive Waste Management Plan in Vienna
- Lessons from Comprehensive Waste Management Plans
- Comprehensive Waste Management Plan (Proportionate to Iran's different regions features)

**Dr. ErfanManesh, Deputy of municipality of Isfahan, Iran**

**9:30-10:00:**

**Comprehensive Waste Management Plan (Proportionate to Iran's different regions features)**

- Comprehensive Waste Management Plan (Proportionate to Iran's different regions features)
- Geographical requirements for preparing the comprehensive waste management plans
- Priority of using energy generation technologies from biomass in different parts of Iran

**Dr. Houshfar, Faculty Member of University of Tehran (Technical Faculty)**

**10:00-10:30:**

**Iran's Municipalities' need for preparing the comprehensive waste management plan**

- Comprehensive Waste Management Plan (Proportionate to Iran's different regions features)
- Tehran Municipality's plan to prepare the comprehensive waste management plan
- Requirements and required infrastructures for preparing the comprehensive waste management

**Dr. Komeili, Director of the waste management organization of Isfahan Municipality**

**Dr. Abdoli, Director of the waste management organization of Tehran Municipality**

**10:30-11:00: Networking coffee break**

**Sheykh Mofid Hall – Biomass Energy**  
**Panel 2: Waste to Energy Policy Making and Technology Priorities**

**11:00-11:30:**

**Policy Making and Integrated Management of Waste to Energy**

- Are biomass power plants suitable for waste management in Iran specially the northern cities? (Technically, economically and environmentally)
- What other incentive policies are needed to develop biomass energy in Iran?
- The challenges of coordinating different organizations in biomass energy development and its operating requirements
- What are the priorities and strategies of Tehran municipality in encouraging the private section in biomass power plants development?

**Dr. Shabanikia, Technical deputy of SATBA**

**11:30-12:00:**

**Technological Priorities of Waste to Energy (Anaerobic Digestion, Gasification, Landfills and Waste Incinerator)**

- Are all biomass technologies suitable for the country?
- What are the technological priorities of biomass energy resources?
- What is the mechanism for determining the biomass technology priorities?
- What is road map to develop the biomass technology?

**Dr. Mehrafza, Faculty Member of Mechanical Engineering Faculty of Bremen University, Germany**

**12:00-12:30:**

**Technological Priorities of Waste to Energy (Anaerobic Digestion, Gasification, Landfills and Waste Incinerator)**

- Are all biomass technologies suitable for the country?
- What are the technological priorities of biomass energy resources?
- What is the mechanism for determining the biomass technology priorities?
- What is road map to develop the biomass technology?

**Mr. Rezaei, Director of Biomass Technology Development Micro Plan, Niroo Research Institute**

**12:30-14:00: Networking Lunch**

**Day 3 – Afternoon – Wednesday, November 1st, 2017 –  
Sheikh Mofid Hall– Waste Heat Recovery**

**Waste Heat Recovery Panels**

**14:00-14:15:**

**Introduction of WHR power plants**

- The concepts and definitions of WHR
- Each industry's potential
- The advantages of WHR power plant (environmentally, efficiently and etc.)

**Mr. Amini Yekta, Member of the Board, Cement Manufacturing Association**

**14:15-15:00:**

**The principles of power plant installation in some industries with high potential**

- WHR in Sulfuric Acid production industry - Rankine (steam) cycle
- WHR in Cement industry – The Organic Rankine Cycle

**Mr. Ali Qasemi Nejad, SATBA Expert**

**Ms. Samira Fazeli, SATBA Expert**

**15:00-15:30:**

**The guaranteed purchase and economical subjects of WHR power plants**

- The guaranteed power purchase mechanism from WHR power plants
- The economical attractions of WHR power plants

**Mr. Bahmanabadi, Senior Expert of SATBA**

**15:30-16:00:**

**Networking Coffee Break**

**Feyz Hall  
General Panel for All Streams**

**16:00-17:30:**

**The great holdings' role in renewable energy development and the equipment localization**

**17:30-18:00:**

**The Closing Ceremony**

- Conference closing statement

**Feyz Hall**  
**General Panel for All Streams**

**16:00-17:30:**

**The great holdings' role in renewable energy development and the equipment localization**

- Great holding's role in financing renewable energy projects
- Great holding's role in localization of renewable components
- Great holding's role in renewable energy development
- Industrial networks between Great holding's role and SMEs

**Dr. Ebrahimi Asl, Astan e Qods Razavi**

**Dr. Amirinia, Chairman of the Board of Iran Renewable Energy Association**

**Dr. Baqaei, CEO of Tadbir Economical Group, EIKO**

**Dr. Saeidikia,**

**Dr. Moazami, CEO of Industrial Development and Renovation Organization of Iran**

**17:30-18:00:**

**The Closing Ceremony**

- Conference closing statement