

ERRA – TENVA Consultation for future Trainers

“Development of a Training Program for License Exempted Electricity Generation Investors” focusing on Distributed Generation

November 16 -18, 2016 • Budapest, Hungary

Agenda

Day 1 (November 16, Wednesday)

Development of a sample rooftop solar project

The economics of distributed generation

Elements of the regulatory framework for distributed generation in the USA

Morning		
10:00 – 13:00	<p>Development of a sample rooftop solar project</p> <ul style="list-style-type: none"> - Phases/steps of project preparation and development - Aspects of site and size selection for the rooftop solar - Business plan calculation - Aspects of “prosumers” - Practical “messages” of project development and installation procedure - Assistance for potential developers (investors, prosumers) (FAQ, Website, on-line calculator, Call centre, financial assistance, etc) - Video on practical issues of rooftop solar installation 	<p><u>Lecturer and consultation partner:</u></p> <p>Mr. Ádám Szörényi - EnHome (innogy – RWE Hungary)</p>
13:00 – 14:00 <i>Lunch Break</i>		

Afternoon		
14:00 – 15:00	<p>The economics of distributed generation (DG)</p> <ul style="list-style-type: none"> - Disincentive of DSOs connecting DG - Network connection (connection charges, network tariff payment of DG) - Business models of distributed generation in Hungary 	<p><u>Lecturer and consultation partner:</u></p> <p>Mr. Zoltán Lontay – energy expert, Hungary</p>
15:00 – 15:15	<i>Coffee Break</i>	
15:15 – 17:00	<p>The main regulatory framework for distributed generation in the USA</p> <ul style="list-style-type: none"> - Basic concepts of different regulatory support schemes in the USA (with special focus on Wisconsin and Iowa State) - Potential roles of DGs (self-generation, prosumer, aggregation of DSs, role of DG in system regulation) - Disincentive of DSOs/utilities connecting DG (if any) <p>The economics of distributed generation (DG)</p> <ul style="list-style-type: none"> - Impact of distributed generation model on traditional utility business models - Business models of distributed generation in the USA (with special focus on Wisconsin State) - Net metering issues in the USA 	<p><u>Lecturer and consultation partner:</u></p> <p>Mr. David Vognsen – Alliant Energy (utility in Wisconsin and Iowa), USA</p>
17:00	<i>End of Day 1</i>	

Day 2 (November 17, Thursday)

The economics of distributed generation
 How to finance distributed generation investments?
 Technologies used in distributed generation
 Technical aspects of distributed generation connecting to the system

Morning		
10:00 – 11:45	<p>The economics of distributed generation (DG)</p> <ul style="list-style-type: none"> - New market model with distributed generator - Potential benefits of system with distributed generation <p>How to finance distributed generation investments?</p> <ul style="list-style-type: none"> - Importance of financial aspects - Key financial concepts (revenues, earning, cash flow, cost of capital, rate of return) - Financial conditions of bankable projects - Key investment criteria - Elements and forms of renewable support schemes in Hungary 	<p><u>Lecturer and consultation partner:</u></p> <p>Mr. Balázs Felsmann – researcher of REKK, Chairman of Hungarian Energy Traders’ Association, Hungary</p>
11:45 – 12:00	<i>Coffee Break</i>	
12:00 – 13:15	<p>How to finance distributed generation investments?</p> <ul style="list-style-type: none"> - Financing small scale solar projects 	<p><u>Lecturer and consultation partner:</u></p> <p>Mr. Arnaud Henin – Founding Partner, Gommyr Power Networks</p>
13:15 – 14:15	<i>Lunch Break</i>	

Afternoon		
14:15 – 15:30	<p>Technologies used in distributed generation</p> <ul style="list-style-type: none"> - Specification of DG technologies, main cost elements and tendencies (rooftop solar, green field solar, small scale wind, biomass and biogas, gas motors (≤ 100 kW)) - Network/system connection aspects of different technologies - Potential regulatory measure reducing disincentives of DSOs - Net metering and settlement issues 	<p><u>Lecturer and consultation partner:</u></p> <p>Mr. Luis Munuera – Renewable technology expert, IEA</p>
15:30 – 17:00	<i>Coffee Break</i>	
17:00 – 18:00	<p>The economics of distributed generation (DG) in the USA (with special focus on California)</p> <ul style="list-style-type: none"> - New market model with distributed generator - Potential benefits of system with distributed generation - Complexity of managing and controlling huge number of small generation sources connected to distribution system - Impact of distributed generation model on traditional utility business models - Disincentive of DSOs connecting DG <p>Technical aspects of distributed generation connecting to the system</p> <ul style="list-style-type: none"> - Specialities of different DG technologies - Network/system connection aspects of different DG technologies - Potential regulatory measure reducing disincentives of DSOs 	<p><u>Lecturer and consultation partner:</u></p> <p>Ms. Jamie Ormond – Advisor of Commissioner, California Public Utilities Commission, USA</p>
18:00	<i>End of Day 2</i>	

Day 3 (November 18, Friday)

Business opportunities in the field of distributed electricity generation
 The main regulatory framework for distributed generation in different jurisdictions

Morning		
9:30 – 11:00	<p>Business opportunities in the field of distributed electricity generation</p> <ul style="list-style-type: none"> – Categories of market players, who are interested in DG (households or micro enterprises, larger enterprises, off-grid end users, self-generators) – Ventures, who are involved in the development, implementation, financing, and operation of DG plants (consultants, equipment suppliers, designers, contractors, financiers, service companies) – The idea of DG ventures, who offer comprehensive services for the market players, including; public education, marketing, project development, design, authorization, qualification and selection of equipment suppliers and contractors, financing or organization of financing, erection supervision, management of the whole process, after sales services and monitoring) – Potential cooperating partners (end-users, local communities, municipalities, equipment 	<p><u>Lecturer and consultation partner:</u></p> <p>Mr. Zoltán Lontay – energy expert, Hungary</p>
11:00 – 12:30	General Discussion of Hot Topics	
12:30	<i>End of the Consultation Program</i>	