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Department of Commerce

Russian Renewable Energy Webinar 2017

March 15, 2017



Webinar Agenda



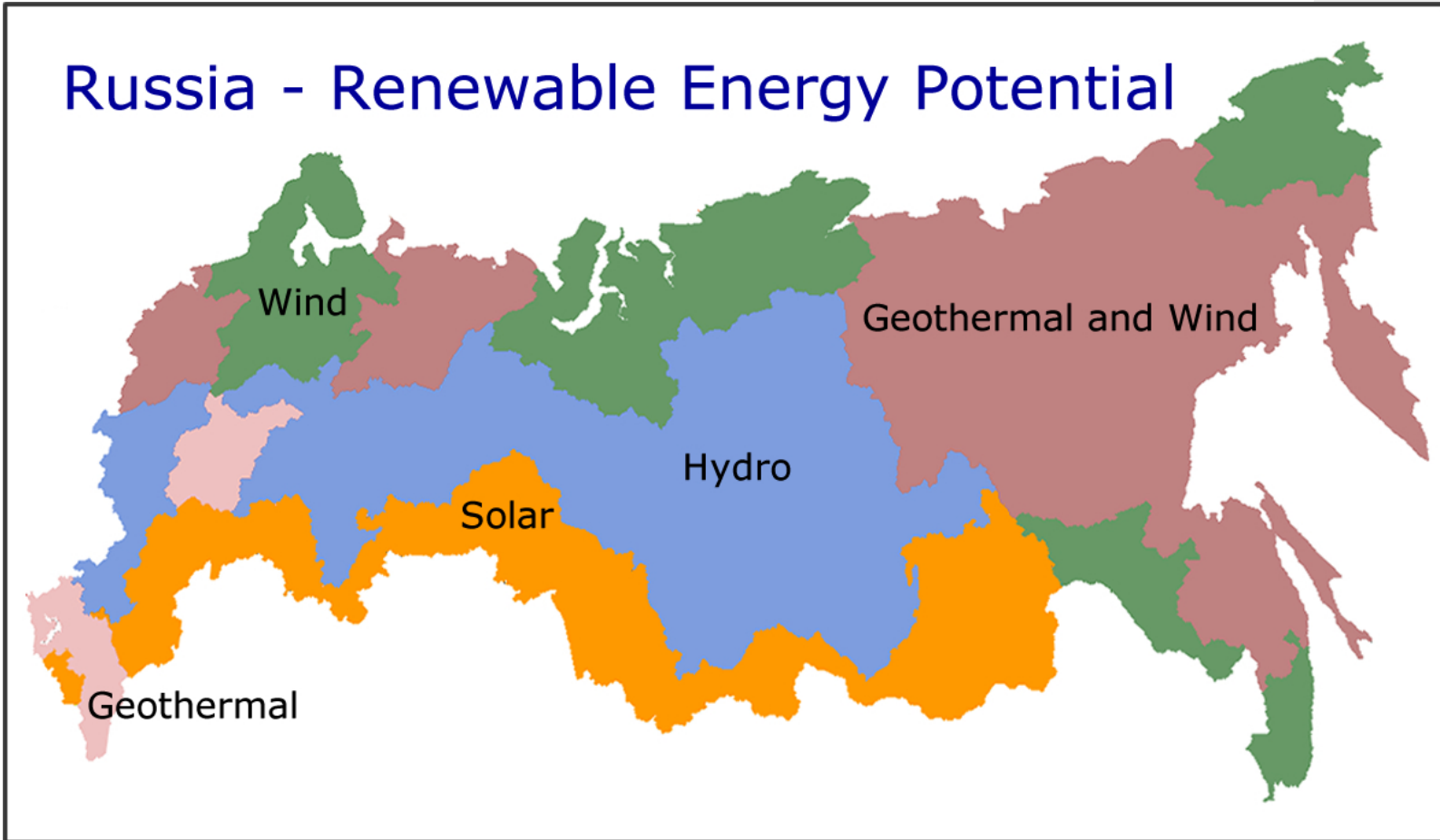
- 10:00 AM INTRODUCTIONS AND CS RUSSIA UPCOMING EVENTS IN THIS SECTOR
Vladislav Borodulin, *Commercial Specialist – U.S. Commercial Service Moscow, Russia*
- 10:10 AM THE CURRENT STATE OF RENEWABLE ENERGY IN RUSSIA
Patrick Willems, *Founder of the Russia Renewable Energy Development Association (RREDA)*
Alexey Zhikharev, *Co-founder of the Russian Renewable Energy Development Association*
- 10:40 AM CATERPILLAR EXPERIENCE IN THE EMERGING RENEWABLE ENERGY MARKET IN RUSSIA
François-Xavier Saury, *EAME-CIS Business Development Manager, Caterpillar Microgrids*
- 10:55 AM ALASKA'S COMMUNITY MICROGRIDS
Chris Rose, *Executive Director, Renewable Energy Alaska Project*
- 11:10 AM QUESTION/ANSWER SESSION
Moderator, *Matthew Quigley – U.S. Commercial Service Officer East Michigan*
- 11:25 AM FINAL REMARKS
Andrea Berton, *Commercial Officer – U.S. Commercial Service Moscow, Russia*
- 11:30 AM END OF WEBINAR

Russian Renewable Energy Market Highlights



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Russia - Renewable Energy Potential



Russian Renewable Energy Market Highlights

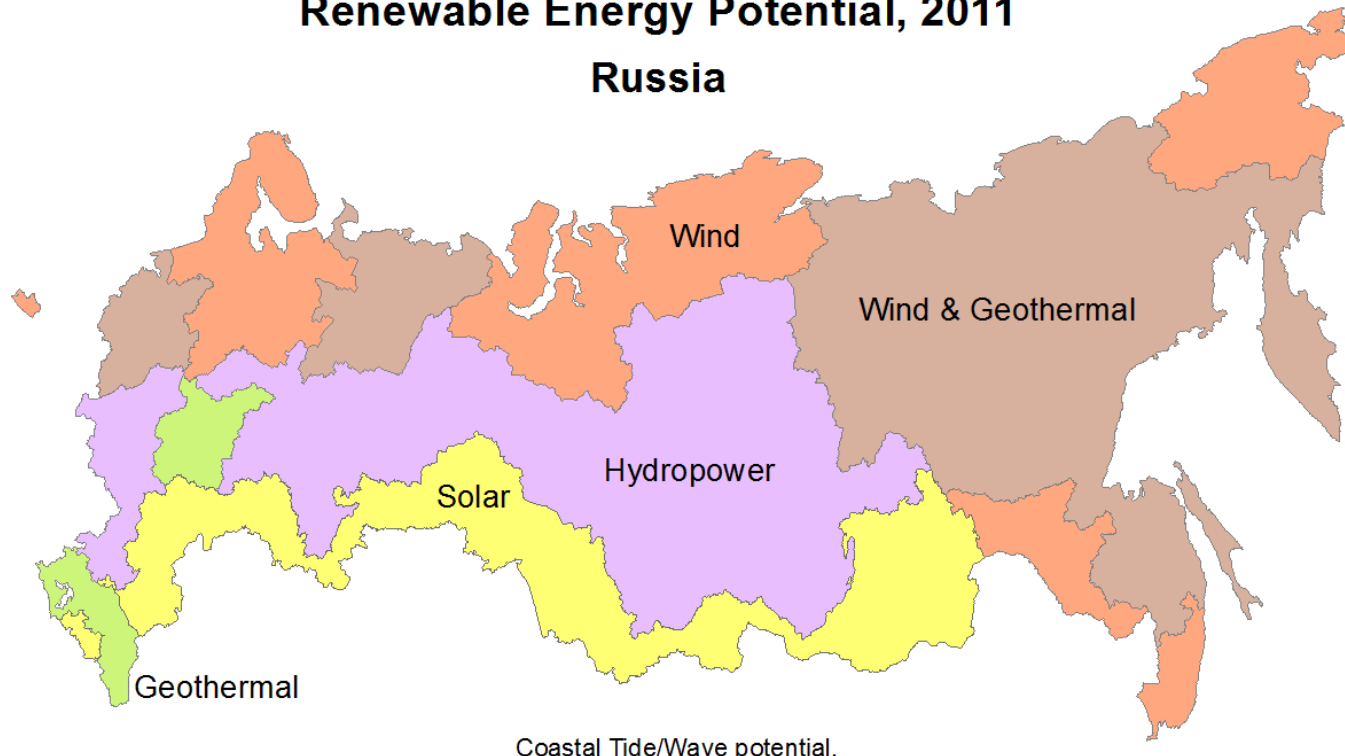


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Renewable Energy Potential, 2011

Russia



Sources: <http://ws2-23.myloadspring.com/sites/renew/countries/russia/profile.aspx>,
www.bpsolar.com/ContentDocuments/17/PV

Research done by: Gleb Mamyркиn, Julia Baronina, and Nikolay Spektor, 11/2011
Map created by: Jamie Wheeler, 11/17/2011



Russian Renewable Energy Market Highlights



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- Isolated communities in the Russian Far East
- Expensive fuel costs
- Russia's pursuit for a balance between hydroelectric power and alternative sources
- Russia's potential for renewable energy sources: wind, solar, geothermal
- Importance of micro grids and distributed power generation
- Pursuit for foreign experience, technology and equipment to support Russia's strategy



Renewable Energy Development in the Russian Far East



- 5th International Conference & Exhibition
- June 22-24, 2017, Yakutsk, the Republic of Yakutia (Sakha)
- Organized RAO Energy Systems of East and the Government of the Republic of Sakha
- About 300-400 participants in 2016 (regional governments, municipalities, communities + contractors, engineering firms and equipment suppliers)
- Exhibition of Renewable Energy Equipment
- Bring 3-5 new American companies in front of the RFE community
- Match-making meetings by CS Moscow

U.S. Commercial Service Russia



Who are we?

In the Russian Federation

- Moscow and St. Petersburg
- 5 Commercial Officers and 10 Commercial Specialists
- Partner Posts in Kiev, Ukraine and Almaty, Kazakhstan

Globally

- Offices in over 80 countries

In the U.S.A.

- Global Headquarters in Washington, D.C.
- Trade Specialists located in 108 Export Assistance Centers across the U.S.

What do we do?





Why Yakutia?



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- Active involvement in development of solar and wind energy resources.
- Projects are under way to develop small hydro electric stations.
- Support from the regional government (the Republic of Sakha).
- Effective energy saving experience due to the use of alternative sources:
 - Reduction in the diesel fuel production from 160K tons to 80K ton by Yakutsk Energy in 2012
 - The fuel production objective of 35K tons by 2020
- Interest of other international players to this region (Japan, Switzerland)



Contacts



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