



ENERGY GOVERNANCE PARTNERSHIP ON OFFSHORE WIND

The One-Stop-Shop Concept

Establishing an offshore wind farm requires a number of permits and licenses involving several authorities. The One-Stop-Shop concept lets the Danish Energy Agency coordinate with the relevant authorities the preparation of the permits and licenses needed by the Concessionaire to build the tendered offshore wind farm. The DEA also works as a single point of access regarding administrative issues and interests related to the tender specifications.

The Danish tender Model for Offshore Wind Farms A well-considered risk allocation

The Danish Energy Agency kicks the tender process for offshore wind farms off by inviting potential tenderers and investors to a preliminary technical dialogue. This dialogue enables adjustments of the tender specifications in order to insure the attractiveness and flexibility of the tender specifications. The dialogue is based on the principles of transparency, equality and proportionality.

The Danish Energy Agency publishes a contract notice to notify the market about the tendering of the offshore wind farm. It also defines appropriate financial and technical prequalification criteria to secure a competitive tender process.

The first indicative offer submitted during the tender phase by the prequalified leads to negotiation meetings aiming to discuss potential adjustments of the tender specifications that may have significant contribution on the final bid price.

Energy Governance Partnership – USA Offshore wind

The Danish Embassy in Washington DC's dedicated efforts on offshore wind since 2014 has been concretized by a cooperation agreement with the American Bureau

of Ocean Energy Management (BOEM) in May 2016. The Danish Energy Agency has in 2015 assisted BOEM during a delegation visit with focus on tendering of offshore wind farms in Denmark.

Based on the above background, BOEM has expressed a wish on collaborating with Danish Energy Agency on specific topics related to the Danish tender model for offshore wind farms. The collaboration between the parties has in 2017 been formalized via the Energy Governance Partnership program.

The collaboration between the Danish Energy Agency and BOEM is focused on the following topics:

- Design envelopes and phased development
- Economic trends
- Financial assurance and risk
- Regulatory streamlining / certainty
- Navigation
- Fishing
- Cultural resources
- Environmental mitigation measures and monitoring
- Road map development / long-term planning
- Early-stage tender development
- Decommissioning

The DEA is currently working on a cooperation agreement with New York State Energy Research and Development Authority (NYSERDA) with specific focus on the procurement for their upcoming Request for Proposal.



ENERGY GOVERNANCE PARTNERSHIP IN THE UNITED STATES OF AMERICA – DISTRICT ENERGY

The Danish Energy Agency is engaging in district energy partnerships in the United States. Building on Danish experiences with district energy regulation and planning, the Energy Governance Partnership identifies partners in key U.S. cities where Danish expertise can inspire authorities, policy makers, regulators and planners to make district energy an integrated part of local and regional energy considerations.

The key subjects where the Danish Energy Agency offers cooperation and engage with American stakeholders are:

- Sustainable Urban Energy planning, focused on tools for cities and municipalities to develop executable energy and climate action plans
- How to include heat sector master planning into overall energy plans
- Best practices on how to mesh city/national planning with project developments
- Knowledge of state-of-the-art technical solutions, and how these fit together to improve resilience and efficiency
- Bring operational examples of how district energy technologies can deliver low-cost resilient distributed energy systems that integrate clean energy consumption with local community benefits.

Federal vs. Local Approach

In the U.S. context, district energy systems are mainly driven by cities and States, as no national guidelines or legislation are in place at a federal level for thermal energy systems.

Therefore, for district energy the US-DK Energy Governance Partnership is aimed at cities and states where progress is already being made, and where there is local political will and resolve to push further. As part of the exploratory phase of the Energy Governance Partnership, Pittsburgh, Pennsylvania and Washington, D.C. were selected as the major partners for engagement and cooperation.

Pittsburgh, PA

In Pittsburgh, the 'District Energy Innovation' partnership, has been kicked off with the City of Pittsburgh, the University of Pittsburgh and a number of other key partners including the National Energy Technologies Lab and the State of Pennsylvania.

The cooperation with Pittsburgh will consist of two workshops in Pittsburgh and one in Denmark, resulting in a White Paper by the end of 2018 and a district energy roadmap in 2019, both of which will highlight how Pittsburgh can use district energy to achieve their energy and climate goals.

Washington, D.C.

Washington has already taken the first steps on district energy, through their work with the Danish Embassy and the City of Copenhagen on urban sustainability and storm water management. Building on this work, and using established connections with the City of Cambridge, MA, and their work on a Net Zero Action Plan; the Energy Governance Partnership has planned workshops in both Washington and Denmark aimed at sharing the Danish energy experiences, both from a national and city perspective, with our DC partners in order for the District to identify areas where district energy is feasible and implementable in the U.S. Capitol context.

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