The Finnish Green Recovery Plan: Role and Opportunities for Wind Energy

Finnish Wind Power Association
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Finnish Wind Power Association (STY, FWPA)

- Leading industry association, founded 1988
- App. 150 company members, 20 professional private members, 170 supportive members
- 4 employees
- HQ in Jyväskylä
- Wind Finland Oct 7th 2020

www.tuulivoimayhdistys.fi
www.fwpa.fi
www.windfinland.fi
www.tuulivoimalehti.fi
Finnish wind power in a nutshell: Wind Power 2.0

- Vivid market: all new investments are market-based with no subsidies
- In big picture well-functioning permitting process
- Capacity is to double within coming years
- Good wind condition and plenty of room for new projects
- Challenge with military radars needs to be overcome
- Challenge with long handling times of administrative courts
- Loads of component manufacturing and exporting, also on service sector
Wind power in Finland

• Onshore + offshore (end of 2019)

X 754  MW 2284

Photo: Hannele Holttinin
Wind power in Finland

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7% of consumption

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Wind power in Finland

- Onshore + offshore (end of 2019)

X 754 MW 2284

7% of consumption

17% in 2023

Photo: Hannele Holttinen
Finnish wind power production (GWh)
Distribution of wind turbine generators by region (2019)
FWPA vision: 30 – 30 – 30

2030

30 TWh annual production

30 % of total consumption
Finnish wind sector has potential to grow and deliver, supported by:
Regional authorities have been granted extra funds for human resources.

- Permitting

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- Co-existence with military radars
- Regional authorities have been granted extra funds for WP permitting
The Finnish wind sector has potential to grow and deliver, supported by:

- Shorter handling times of administrative courts
- Permitting
- Co-existence with military radars

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The Finnish wind sector has potential to grow and deliver, supported by:

- Longer handling times of administrative courts
- Permitting
- Co-existence with military radars
- Regional authorities have been granted extra funds for WP permitting
- Interconnectors and transmission lines
- Energy market & grid
- Remaining as one price area
- Large & interconnected energy markets
Finnish wind sector has potential to grow and deliver, supported by:

- Energy transition
- Sector coupling & electrification
- Energy market & grid
- Interconnectors and transmission lines
- Hydrogen solutions
- Demand response & energy storage solutions
- Heating
- Transport
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- EU Recovery and Resilience Instrument – Green Recovery emphasis?
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- Transport
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- Remaining as one price area
Virtual event at Brella on Oct 7th

WWW.WINDFINLAND.FI