

RePower Overview

- What is RePowering?
- Benefits
- Results to date



Overview

- Repowering: Retrofit vs. "Full scrape"
- Conversion of legacy turbines → improve output, reliability and extend life

GE examples:

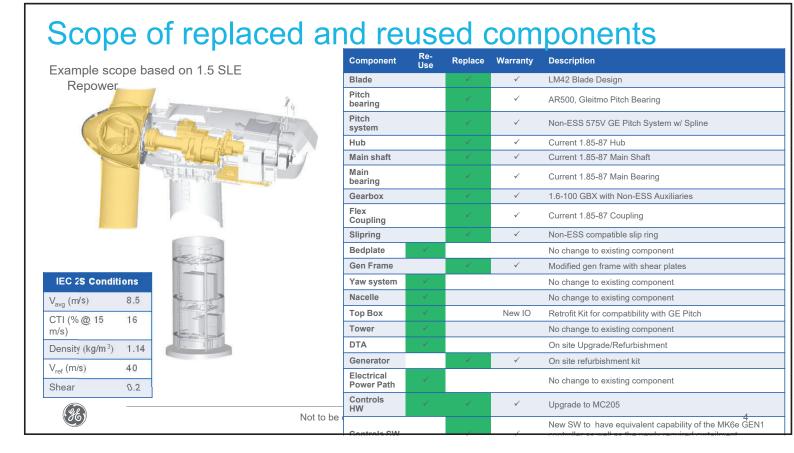
Legacy Unit	Repowered Configuration Options
1.5 S (70.5m rotor)	1.5/1.62 (77m, 82.5m, or 91m rotor)
1.5 SLE (77m rotor)	1.5/1.62 (87m or 91m rotor)
1.5 XLE (82.5m rotor)	1.5/1.62 (91m rotor)
Clipper C96-2.5 (96m rotor)	GE 2.5 (116m rotor)

- Basis: leverage existing current mechanical configurations (1.x and 2.x platforms)
- Re-use: Components evaluated to new wind conditions & 20 years of additional life from repower COD: Towers, Foundation, BOP and existing siting, other
- Replace: Components being used in other GE new unit designs



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Title search: Repowering: understanding technical, tax and contractual considerations in repowering and how they impact availability of financing

Also available as part of the eCourse 2019 Renewable Energy Law eConference

First appeared as part of the conference materials for the 2019 Renewable Energy Law session "Repowering Wind Projects"