

Project of common interest:

4.6

## Electricity interconnection

### Baltic Energy Market Interconnection Plan in electricity

#### COUNTRIES INVOLVED

Estonia (EE)

#### PROJECT PROMOTERS

Energia sa IvPakri OÜ (EE)

#### LOCATION

Paldiski (EE)

#### COMMISSIONING DATE

2027



PCI 4.6 - Electricity storage

Existing power grid



Source: PLATTS, GISCO, European Commission

#### Definition

4.6 - Hydro-pumped storage in Estonia

#### Type of technology employed

Estonian Hydro-pumped storage of 500 MW and storage capacity of 6 GWh. Technically feasible as there is enough water column in Ribaroja's reservoir, independently of the alternation of dry/wet years, with enough backpressure in pumps. This storage project of Estonia enables saving in generation capacity of 16 - 20 Meuro/year. Ideal for future offshore wind farm projects associated to the Zëfir Project, allowing the energy denuclearization of the area.

#### Implementation status

Permitting

#### LAST UPDATE

March 2018

Energy

Note: The project location as depicted on the map is indicative only. The final location will be determined once the permit granting procedure has been completed.