

Community Energy and electricity sharing: experiences from the Czech Republic

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Agenda

- **Community Energy in CZ** - state of play, legislative context
- **Electricity sharing** - how it works, variations



Who we are

- **International consortium** of more than 150 experts
- Certified B corporation
- Czech Republic, Poland, Brussels
- Energy, Sustainable development, ESG
- We are co-founders of **Community Energy Union** - biggest association focused on community energy
 - over 100 members from municipalities, business, energy, ECs



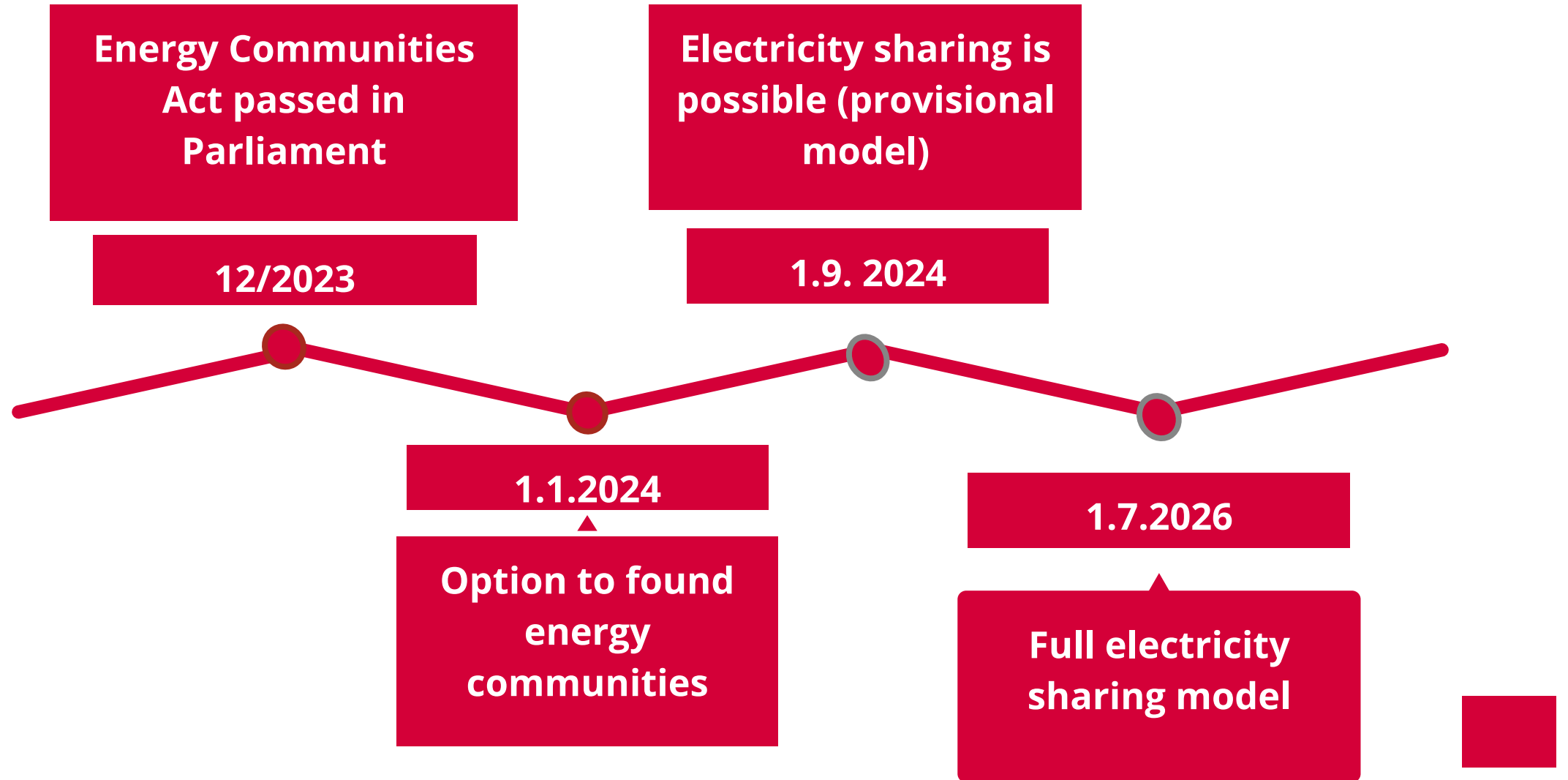
State of play

Timeline

Legal definitions, types of ECs



Timeline



Defining characteristics of ECs

	Energy Community (IEMD transposition)	Renewable energy community (RED II transposition)
Purpose	Providing environmental, economic and social benefits to its members	
Legal form	Association, cooperative , other similar corporation (company ltd)	
Profit-making	Not prohibited (except in the case of an association); however, members may share a maximum of 33% (similar to housing or social cooperatives)	
Type and source of energy	Electricity - any source of energy	Electricity, heat, gas - RES only
Activities	electricity generation, electricity sharing, electricity supply or the performance of other activities or the provision of other services related to the provision of the energy needs of its members	
Who can be a member?	NPs, SMEs, large enterprises, municipalities	NPs, SMEs, municipalities, state-funded institutions (ter. limit =>3 municipalities)

Other forms

- **EC in apartment building**
 - EC only within 1 apartment building and 1 fuse box/entrance
- **Active customer/consumer**
 - No need to establish a legal form
 - upper limit of 11 connection points/EANs



Electricity sharing

How it works?

Available models



Electricity sharing 101

- Virtual accounting operation //type of self consumption
- Key change = electr. sharing via public distribution grid
- Real-time electricity sharing (intervals of 15 minutes)
 - no net metering (no deferred consumption)
 - i.e. smart metering is crucial
- Consumption and generation of electricity meets
 - shifting consumption to the time where for example PV generates most of its electricity
 - reducing peaks of demand in the distribution network
- Complementary activity to the supply of electricity
 - supplier is obliged to reflect the shared electricity in the el. bill
- Energy data center in CZ - launched August 1st 2024
 - combined project of all 3 DSO's and TSO
 - handles data flow, calculates the amount of shared electricity



Electricity sharing models



Electricity sharing models



- From 1 July 2024 , sharing up to 10 additional subscription points (i.e. 11 EANs in total)
- **No geographical limitations**
- **Full distribution fee applies**
- Simple registration
- Natural and legal persons, they do not have to be related (ownership, family)

Electricity sharing models



- From 1 January 2023
- Sharing only between points of consumption in one entrance of the apartment building
- **Distribution fee not applied** because it does not use the public distribution system
- Simple registration



Electricity sharing models



- From 1 July 2024 **sharing between up to 1,000 points of consumption, in the territory of 3 municipalities** with extended competence
- From 1 July 2026 without limitation of territory and number
- **Full distribution fee applies**
- Establishment of a legal entity (EC) and registration with the ERO required



Statistics on electricity sharing

1/10 2024

- Amount of shared electricity: **150 MWh**
 - Consumption of 500 households
 - 4000 power plants, 3500 CPs
- Total registrations (after 2 months): **10 500**
- **3500** electricity sharing groups
- 37% of sharing is done within 1 household



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