
Energy Cooperatives: Objectives and Success Factors

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National Office for Energy Cooperatives

DGRV – Deutscher Genossenschafts- und Raiffeisenverband e. V.



DGRV – German Cooperative and Raiffeisen Confederation

- National apex organisation
- Top-level auditing federation
- Largest economic organisation in Germany in terms of members:
 - 7,700 cooperatives
 - 22 million members
- German cooperatives → 160 years of business-tradition



Federal State Thuringia (Thüringen)

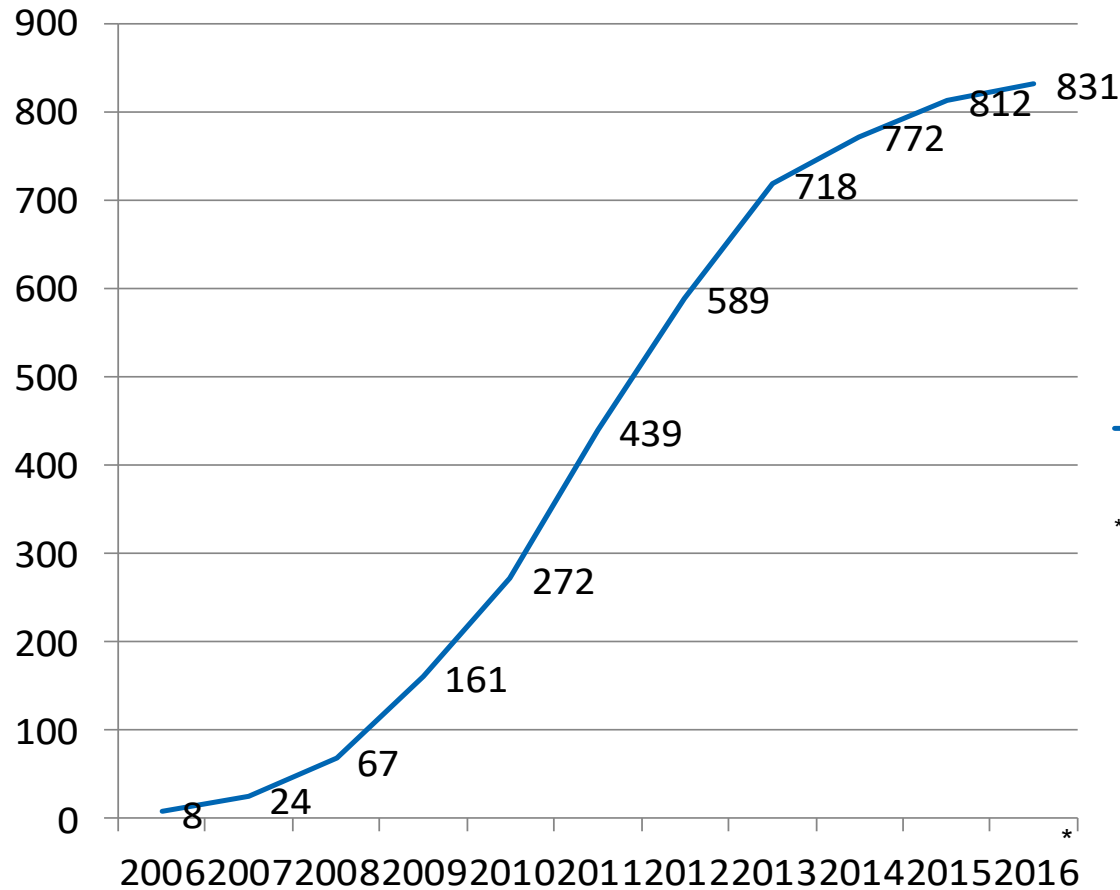


NIMBYism!



No pump storage!

Energy cooperatives since 2006 (cumulated)



— Foundations of energy cooperatives

* Survey 31.12.2016

Renewable Energy Sources Act (EEG)

■ **Obligation to purchase and transmit**

Grid operators must give immediate priority to connecting installations for the generation of electricity from renewable energies and from mine gas to their grids and to purchasing and transmitting all the electricity available from these installations

■ **Guaranteed feed-in tariffs**

Grid operators must pay fixed tariffs for the feed-in of electricity from renewable energies (guaranteed payment period is generally 20 years for commissioned installations, payment is geared around the costs)

Business models

photovoltaic



wind energy



district heating



- € 1.8 (MXN 37.5) billion investments in renewable energies
- 1 GW installed capacity

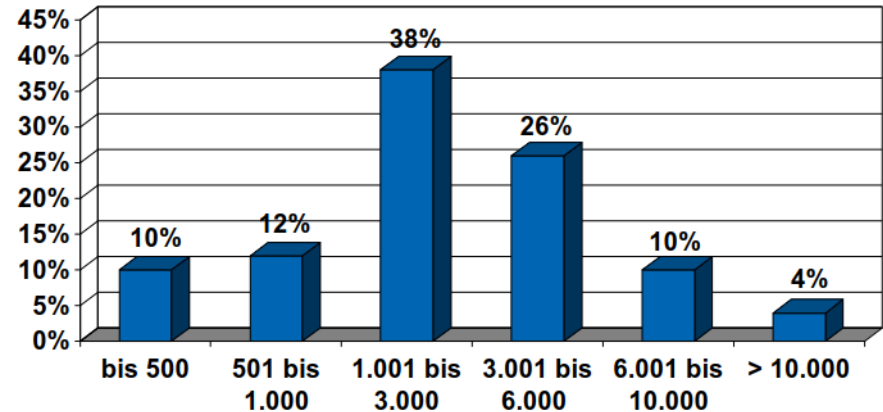
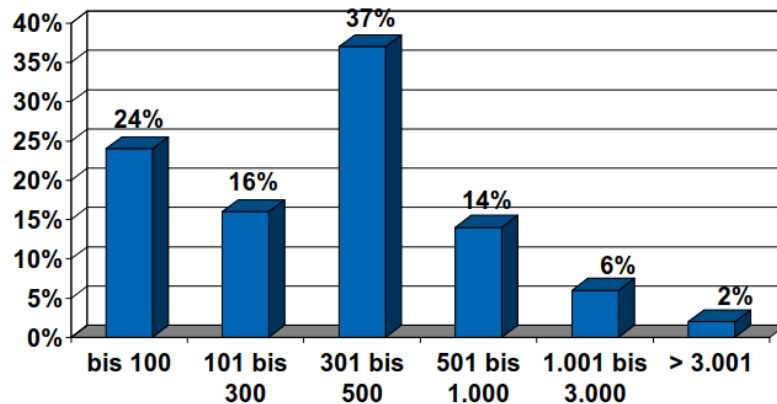
Member shares

Minimum share:

- average value: € 652 (MXN 13,616)
- minimum value: € 50 (MXN 1,044)

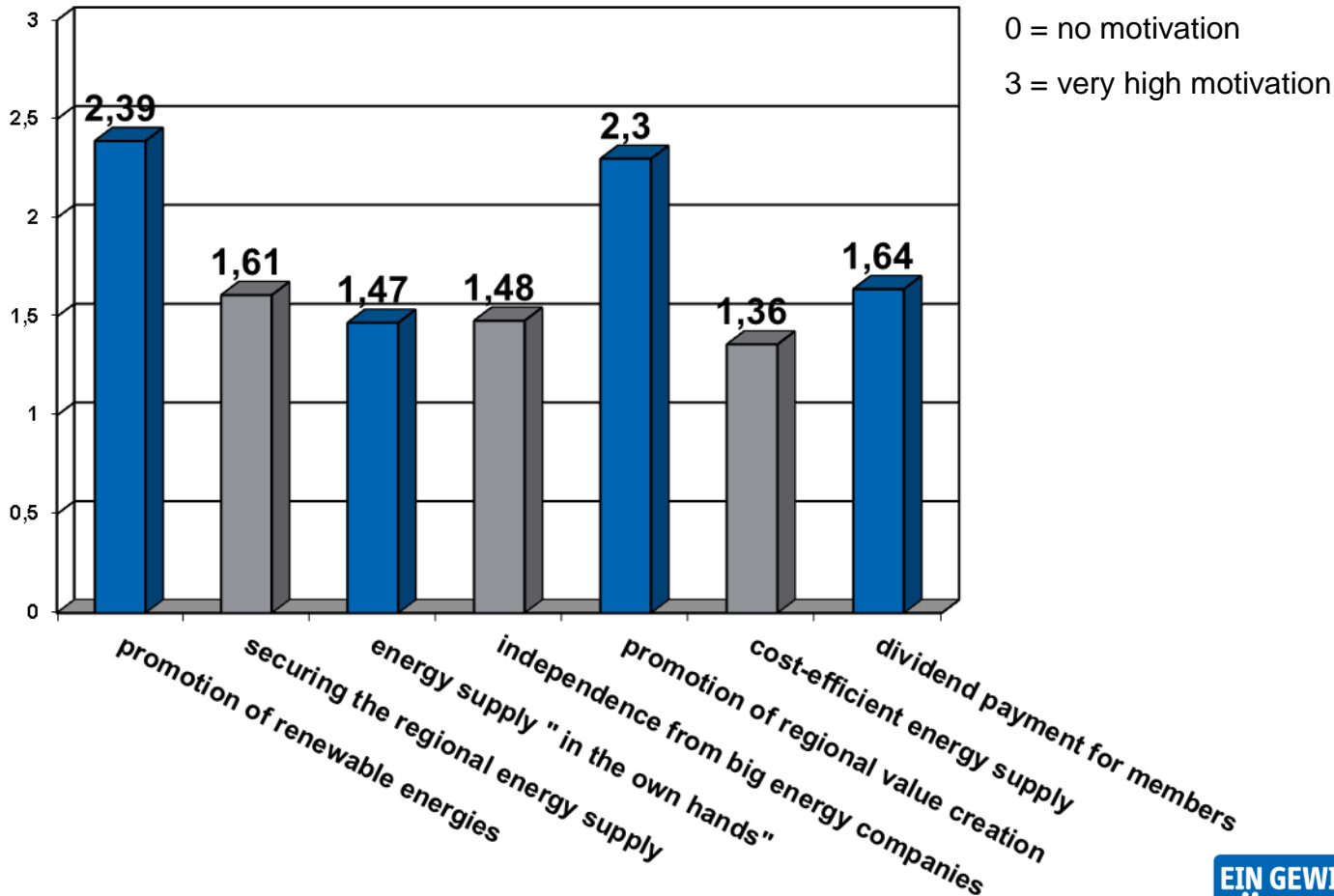
Average participation:

- average value: € 3,652 (MXN 76,271)



Reasons for founding energy cooperatives

What's your motivation?



Energiegenossenschaft Odenwald

→ Boosting local economy

- Founded in 2009
- 3,000 members
- € 11 (MXN 229) m equity
- **€ 50 (MXN 1,044) m investments**
- 83 solar plants (wind)
- 11 MWp installed capacity
- Energy provider
- „**House of Energy**“
- Kindergarden (150 children)



Energiegenossenschaft Odenwald

House of Energy



Former Brewery



Kindergarten



Parking Lots



Energiegenossenschaft Odenwald

€ 17.5 (MXN 365.4) m → 2,400 orders → 250 local companies!



Energiegenossenschaft Odenwald

Public Viewing EURO 2016



3rd Hessian Barbecue Contest



NIMBYism



Theirs ☹️

NIMBYism



Mine 😊

Thank you for your kind attention!

- wieg@dgrv.de
- www.dgrv.de/en/home.html
- twitter: @_Genossenschaft

German Renewable Energy Sources Act (EEG)

- Amendments of the EEG
 - Auctions for wind energy (onshore)
 - ‚Competitive rule‘ for citizen energy
 - Exemption for solar energy (750 kw)
 - FIT adjustment for solar energy
 - Delivery inside buildings
- Business Opportunities for Community Energy
 - District heating?
 - Energy efficiency?
 - Mobility?
 - Regional development?