Energy cooperatives

Results of the DGRV-Survey (at December 31, 2018)
Foundations of energy cooperatives since 2006 (cumulated)
Foundation figures in the field of Renewable Energy
Members at the time of the survey

- Average: 296
- Minimum: 3
- Maximum: 2.882
- Spread:
Membership structure

- 95% private individuals
- 2% companies/banks
- 2% farmes
- 1% local authorities/public institutions/churches
Distribution of minimum participations (in €)

- 34% for amounts bis 100
- 17% for amounts 101 to 300
- 29% for amounts 301 to 500
- 14% for amounts 501 to 1,000
- 3% for amounts 1,001 to 3,000
Distribution of actual participations (in €)

- To 1,000: 12%
- 1.001 to 3,000: 33%
- 3.001 to 5,000: 26%
- 5.001 to 10,000: 24%
- > 10,000: 3%
Total turnover

- Average: 485,860 Euro
- Minimum: 5,200 Euro
- Maximum: 4,000,000 Euro
- Distribution (in TEUR):

<table>
<thead>
<tr>
<th>Range</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>bis 10</td>
<td>9%</td>
</tr>
<tr>
<td>10 bis 50</td>
<td>32%</td>
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<tr>
<td>50 to 100</td>
<td>19%</td>
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<tr>
<td>100 to 200</td>
<td>22%</td>
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<tr>
<td>200 to 500</td>
<td>9%</td>
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<tr>
<td>&gt; 500</td>
<td>9%</td>
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Total investments

- Average: 3,950,186 Euro
- Minimum: 130 Euro
- Maximum: 56,000,000 Euro
- Distribution (in TEUR):

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<table>
<thead>
<tr>
<th>Range</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>to 100</td>
<td>5%</td>
</tr>
<tr>
<td>100 to 500</td>
<td>28%</td>
</tr>
<tr>
<td>500 to 2,000</td>
<td>43%</td>
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<td>2,000 to 4,000</td>
<td>14%</td>
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<tr>
<td>4,000 to 10,000</td>
<td>6%</td>
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<td>&gt; 10,000</td>
<td>4%</td>
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Equity ratio

- Average: 2,213,353 Euro
- Minimum: 24,200 Euro
- Maximum: 20,000,000 Euro
- Distribution (in TEUR):
In what areas is your cooperative already active?

- Energy production from PV: 78%
- Energy production from wind: 24%
- Energy production from biogas: 7%
- Energy production from biomass/wood: 16%
- Energy production from other sources (hydro, CHP): 16%
- District heating network: 5%
- Storage: 37%
- Delivery of electricity: 20%
- Consulting: 11%
- E-mobility: 11%
- Energy efficiency: 0%
Total figures (projections) for Germany (at December 31, 2018)

869 renewable energy cooperatives founded after 2006 with…

- 183,000 private individual members
- 714 mio. Euro member shareholdings
- 2.7 bn. Euro investments in renewable energies