

Evaluation of the representative survey „Public opinion on electricity production from renewable energies in Saarland” (Germany)

1. Design of the survey

Telephon interviews embedded in a survey to different subjects based on a standardised questionnaire. 500 inhabitants of Saarland from 18 to 69 years were picked out representatively according to age, sex and gainfull employment. The interviews were effectec between 28th of April and 13th of May 2005.

2. The questions

- 2.1 How do you judge the electricity production from renewable energies?
- 2.2 What plants would you favor in your closer environement?
- 2.3 Does your oppinion change if a nucelar or a coal-fired power station is considered instead of a renewable power plant? (two questions)
- 2.4 What additional costs do you accept to pay for green electricity?

Answering possibilities to question one could be chosen from a chart between 0= very negative and 10=extremely positive.

Question two, three (nucelar power station) and four (coal-fired power station) provided defined renewable plant types as selection possibilities:

- single wind plants
- windparks
- small PV (up to 1000 m² on roofs and facades)
- big PV (from 1000 m² on agricultural or other available land)
- small biomass plants (e.g. on farms)
- big biomass plants (wood operated steem turbines)
- small hydropower (on tributaries)

3. The results

Question 1: How do you judge the electricity production from renewable energies?

0	13%
1	0%
2	1%
3	1%
4	1%
5	4%
6	5%
7	5%
8	13%
9	6%
10	44%

Question 2: What plants would you favor in your closer environment? (Positive answers between 5 and 10)

- | | |
|---|------|
| - single wind plants | 79 % |
| - windparks | 73 % |
| - small PV (up to 1000 m ² on roofs and facades) | 97 % |
| - big PV (from 1000 m ² on agricultural or other available land) | 92 % |
| - small biomass plants (e.g. on farms) | 87 % |
| - big biomass plants (wood operated steem turbines) | 75 % |
| - small hydropower (on tributaries) | 94 % |

Question 3: Does your opinion change if a nuclear power station is considered instead of a renewable power plant in your municipality?

- | | |
|---|------|
| - single wind plants | 13 % |
| - windparks | 18 % |
| - small PV (up to 1000 m ² on roofs and facades) | 2 % |
| - big PV (from 1000 m ² on agricultural or other available land) | 7 % |
| - small biomass plants (e.g. on farms) | 5 % |
| - big biomass plants (wood operated steem turbines) | 11 % |
| - small hydropower (on tributaries) | 4 % |

Question 4: Does your opinion change if a coal-fired power station is considered instead of a renewable power plant in your municipality?

- | | |
|---|------|
| - single wind plants | 7 % |
| - windparks | 12 % |
| - small PV (up to 1000 m ² on roofs and facades) | 2 % |
| - big PV (from 1000 m ² on agricultural or other available land) | 5 % |
| - small biomass plants (e.g. on farms) | 4 % |
| - big biomass plants (wood operated steem turbines) | 8 % |
| - small hydropower (on tributaries) | 3 % |

Question 5: What additional costs do you accept to pay for green electricity?

- | | |
|----------------|------|
| None | 33 % |
| 30 € per year | 32 % |
| 60 € per year | 21 % |
| 100 € per year | 13 % |