

LECSEA Final Conference
26 January 2023

Energy communities and public authorities

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 Gemeente Breda


Essex County Council


west
sussex
county
council



CD2e
ACCELERATEUR
DE L'ÉCO-TRANSITION

POM
pas de mer
pas de frontières


C'est chez moi!


GHENT
UNIVERSITY



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Community Energy in Essex

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Community Energy in Essex

- Programme: Community Energy Pathways, with delivery partner Community Energy South. LECSEA pivotal in development.
- Purpose: community driven, grassroots action in battling climate and energy impacts; facilitates wider community improvement.
- How?: **powering up** – community renewable energy, solar/hydro/batteries, heat networks, EV and sustainable travel infrastructure. **Powering down** – energy awareness, fuel poverty support, home energy visits, trusted advice.

Community Energy in Essex

- Building buy-in and commitment within public authorities:
 - Achieving public authority climate goals: emissions, resilience, strategic etc.
 - Achieving wider public authority goals: public health, strengthening communities, sustainable transport etc.
 - Efficiency: aggregated, holistic approach; community energy as fulcrum of social improvement.
 - Advocacy: community energy groups as grassroots advocates.
 - Expertise: knowledge of local context.

Community Energy in Essex

- Community energy groups and their projects:



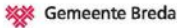
SUSTAINABLE DANBURY



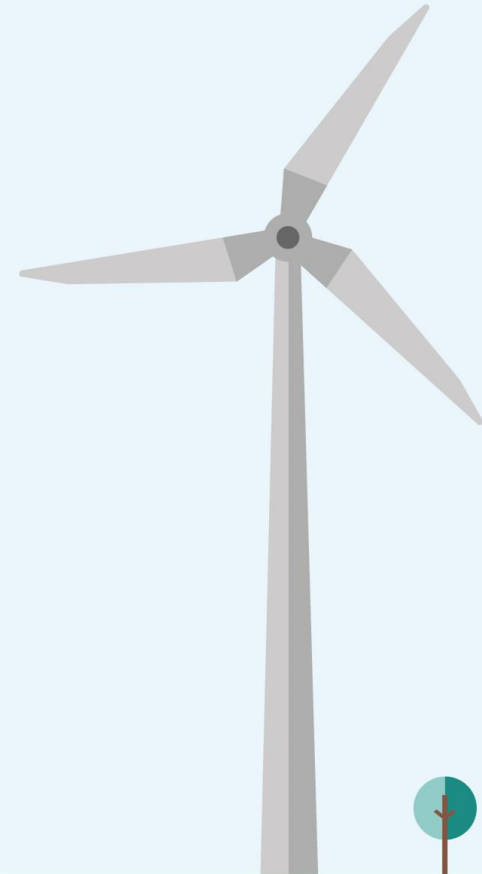
Derk Heuting

Energy A16 Neighbor Arrangement

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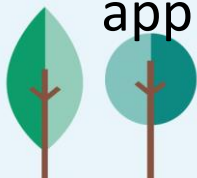
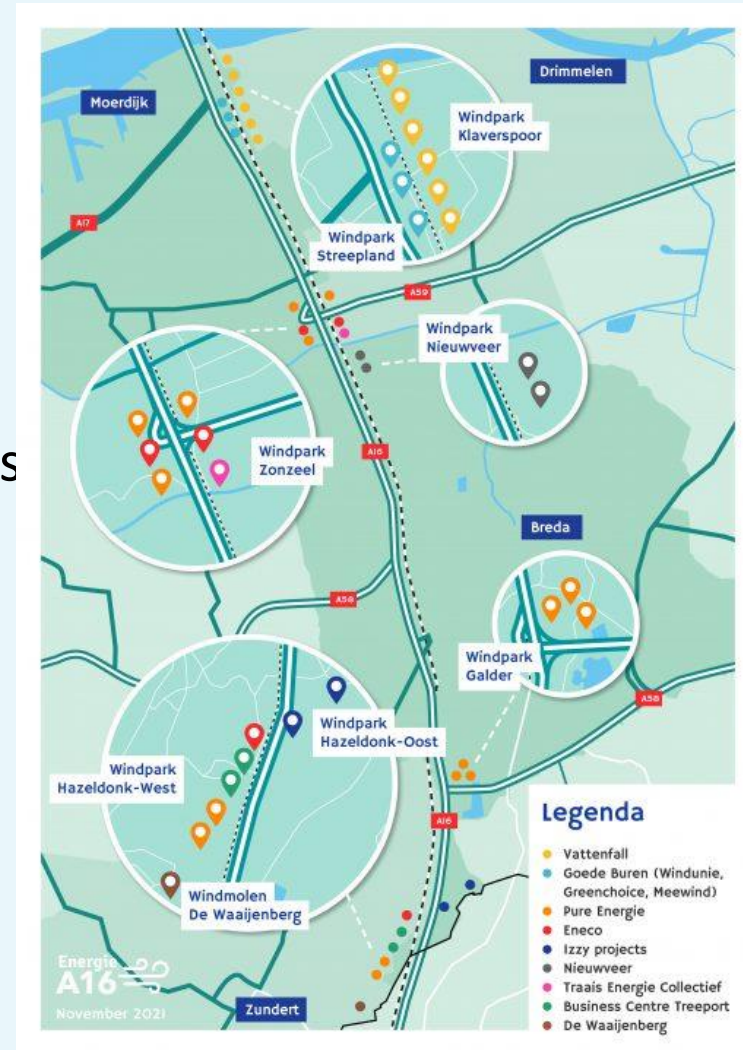


Energy AI6 Neighbor Arrangement



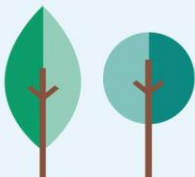
Big Picture

- 28 windmills along highway A16 (Rotterdam-Antwerp), 25% ownership local communities
- + Extralegal, based on a covenant between developers, government and civil society, € 0,50 per MWh, as long as the windmills produce (max. 25 years), to realize sustainable energy projects.
- Purpose (defined together with representatives of the local communities): energy reduction in houses with a noise level of 42 – 47 dB L_{den}
- 160 houses, every house the same amount of money, approximately € 1.100 each year (€ 25.000 to € 30.000).



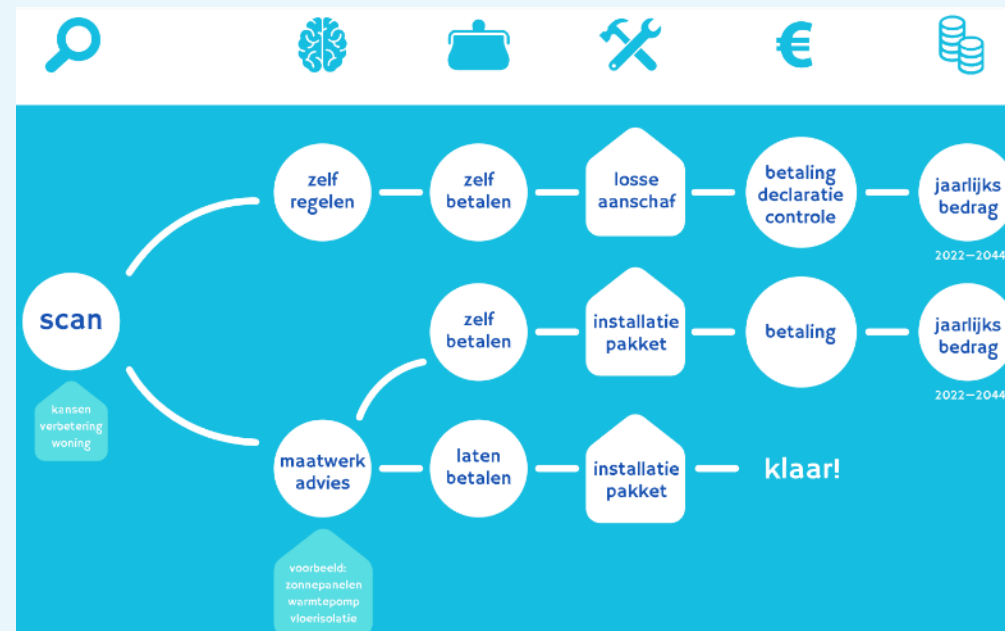
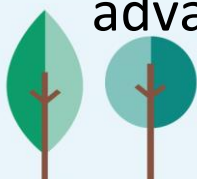
Big Picture

- Yearly payment afterwards
- Or payment in advance max. € 15.000, paid back with interest from the annual amount.
- Submit invoices from October 2017 (final locations established)
- List of allowed measures A/B/C
 - A: insulation roof, floor, wall, solar panels, heat pump, energy-efficient refrigerators, etc.
 - B: neighborhood battery, collective heat solutions, E-bike, E-car, charging station, etc.
 - C: Creative solutions in agreement with the project leading



Steps

1. Information meetings
2. Registration + contract (to establish the right on the neighbor arrangement)
3. Custom energy advise (offers for most common measures included) or do it yourself (custom advise condition for payment in advance)
4. Measures realized (by proposed contractor or self chosen)
5. Payment yearly based on submitted invoices (or payment at once in case of payment in advance)



Feedback

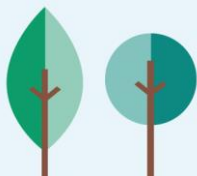


"I sometimes hear them humming softly in an easterly wind. And when I walk down the street, I see them: just across the border in Belgium there are about twelve, here in Hazeldonk three and eight more are coming.

You get used to it, all those windmills. I understand that we need wind energy, but I also think that you should take into account the local residents. That is well organized here."

The Neighbor Arrangement is a great gift, says Jac. "You get money to really make your house sustainable and in return that generates money because you use less energy.

Thanks to Neighbor Arrangement the wind turbines are twice as profitable for the climate."



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