

Roles

Role: Mayor of Lausanne

Background: The current mayor Grégoire Junod is part of the Parti Socialiste Suisse (socialist party) and was elected in 2016. Some of the issues that he cares about are “security in the city and the quality of public spaces, the defense of built and natural heritage, controlled urban development, responding to climate issues, as well as increased support for cultural actors, and access for all to culture”. Some of the projects he has been working on include the redevelopment of Rippone and du Tunnel transforming them into car-free, tree-lined, friendly places.¹

Motivations: As the mayor Mr. Junod needs to balance climate change issues (getting to zero emissions), protecting natural and anthropogenic systems, and development.

Role: Energy Researcher

Background: Wind power utilization has been rapidly growing aided by decreasing costs and pressure to invest in renewable energy sources. There has been a jump of about a factor of 75 in the past two decades in wind energy and in 2016 it accounted for 16% of the renewable energy mix.²

There are multitudes of advantages for wind power. Wind power is cost-effective, and also mitigates the price uncertainty of fuels. Wind power also creates jobs for local economies when the production of energy is local, this also promotes energy independence. Wind power is sustainable and clean unlike traditional power plants, they don't produce emissions that can cause acid rain, smog or greenhouse gasses making them environmentally friendly.

Motivations: The energy researcher wants to include as much renewable energy sources as possible. If the city would like to become a zero-carbon zone drastic measures will need to be taken to transform the city. Also if cities are expected to grow in population in the future, more demand for electricity is bound to occur and the future of providing clean energy is paramount.

Role: Ecology Researcher

Background: Wind power has substantially less environmental impacts than other types of energy sources but they still have negative consequences. A modern wind turbine makes

¹ <https://www.lausanne.ch/officiel/municipalite/composition/Biographies/Biographie-Gregoire-Junod.html>

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<https://www.irena.org/wind#:~:text=Global%20installed%20wind%2Dgeneration%20capacity,according%20to%20IRENA's%20latest%20data.>

the same amount of noise as a refrigerator at a distance of ~300 meters.³ On top of the noise, there is avian mortality to consider as birds and bats can be victims of infrastructure. While the footprints of wind turbines are small it can still account for habitat loss in the ecosystem.⁴

Motivations: The ecology researcher needs to mitigate harmful environmental impacts on both wildlife and humans. This has to also be balanced with negative impacts of other types of renewables and non-renewable energy sources.

Role: Resident in Ouchy

Background: A long time resident of the neighborhood, they are not interested in change and happy the way the neighborhood has been in the past. While they are interested in environmentally friendly options, they are not interested in dealing with inconveniences to their day-to-day life.

Motivations: The Ouchy Resident is concerned with the aesthetic impacts on their views and in general is a NIMBY (not in my backyard)

Role: Resident in City Center

Background: A newer resident in Lausanne who has moved from abroad, the city center resident is open to change and progress. They consider themselves eco-conscious and are more likely to champion and accept inconvenience for sustainable/green solutions.

Motivations: The City Center Resident wants to see more renewable energy options for Lausanne and produce much of its own energy supply.

Role: Hotel Owner in Ouchy

Background: This resident owns a high-end hotel in the Ouchy neighborhood. After COVID-19 business has slowed and business is only starting to pick up. The neighborhood is close to the waterfront and attracts a fair number of business and leisure travelers.

Motivations: The hotel owner wants to maximize profits and is afraid that noise and sight pollution will affect his business.

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https://www.maine.gov/DACF/lupc/projects/windpower/redington/Documents/Section05_Sound/AWE_A_Turbine_Noise_FAQ.pdf

⁴ https://en.wikipedia.org/wiki/Environmental_impact_of_wind_power