

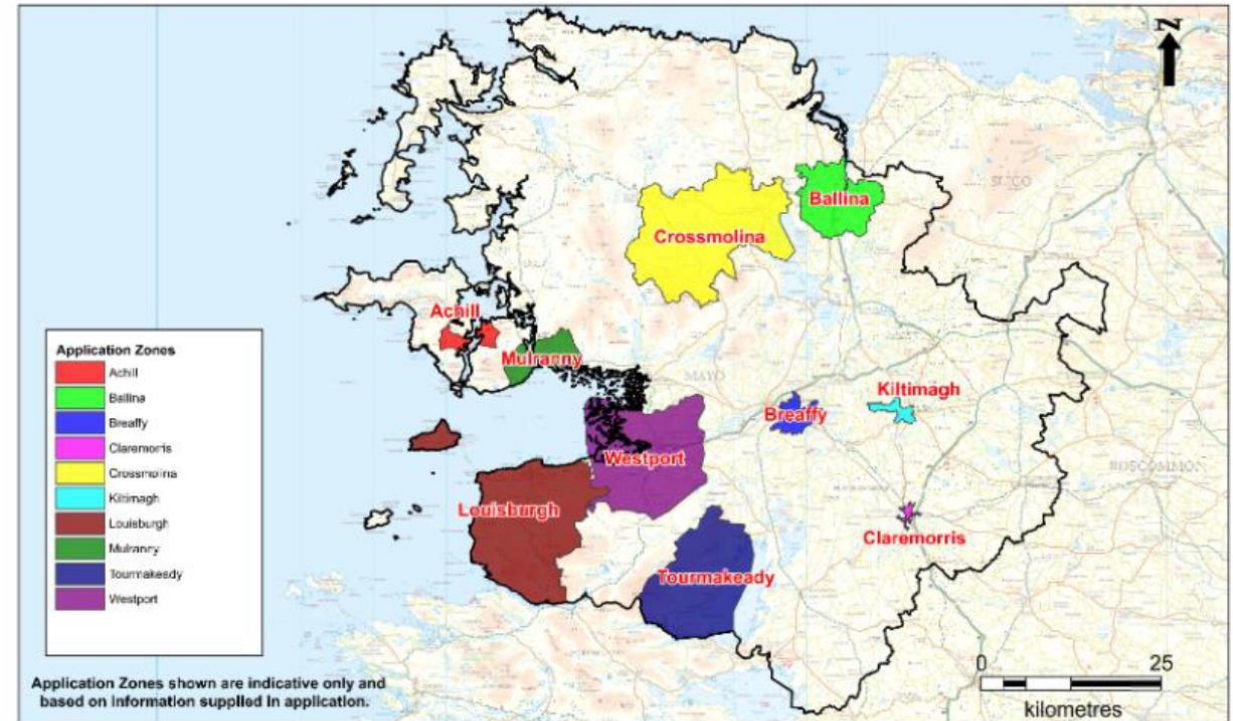


Public Interest:

Mulranny:

- 36 letters of support from community groups & businesses
- DZ Committee of 15
- Sustainable Energy Community
- Greenplan© Group
- 17 Mayo PPN Groups

Mayo DZ Community Network (10)



 Comhairle Contae Mhaigh Eo
Mayo County Council
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April 2021 Scale: NTS

Mayo Decarbonisation Zone - Map of Application Zones

Track Record, 2015-2021:

- **Mayo Decarbonising Zone** 2021
- **Connaught Excellence in Placemaking Award** 2020
- **Connaught Excellence in Placemaking Award** 2019
- **Best Digital Marketing to Showcase Mayo** 2019
- **European Entente Florale Silver Medal** 2019
- **European Entente Florale Best Practice Award** 2019
- **European Entente Florale Certificate for Excellence** 2019
- **National Tidy Towns Bronze Medals** 2017, 2018 & 2019
- **National Water Conservation Award** 2017
- **Gold Award - Best Responsible Tourism Destination** 2016
- **Overall Winner - Ireland's Responsible Tourism Awards** 2016
- **Clean Coasts National Ocean Hero Group Award** 2015
- **GreenPlan© - Accredited Village** 2015





Future Planning, 2015-2021:

- **Mulranny Decarbonising Zone Plan 2021**
- **Mulranny Biodiversity Management Plan 2021**
- **Community Futures Plan 2016 – 2021/ 2022 - 2027**
- **Mulranny SEC Energy Master Plan 2019**
- **Mulranny National School – Climate Action Ideas 2021**
- **Mulranny Greenplan©, 2015**
- **Community Electric Bike Initiative, 2021**
- **Mulranny Smarter Travel Initiative, 2021**
- **Wild Atlantic Nature Life Integrated Project, 2021**
- **Old Irish Goat 5-Year Strategy, 2021**

**In 2030, Mulranny will
be an empowered
community,
with a low carbon
economy, living in a
thriving biosphere.**



2030 Vision Themes:

1. **Participative Democracy**
2. **Community Energy Project**
3. **Social Solidarity Economy**
4. **Procurement**
5. **Smarter Travel**
6. **Regenerative Farming**
7. **Thriving Biosphere**



1. Participative Democracy Network.

Mulranny:

- **DZ Committee** (2021)
- **Sustainable Energy Community** (2017)
- **Community Futures** (2008)
- **17 PPN Groups** (2021)
- **13% Population Participation** (2021)

Mayo:

- **10 DZ Committees**
- **(Population: 38,726, 30% of Mayo**
- **1080km² land area, 19% of the area**
- **SECs (3#)**
- **Community Futures (33#)**
- **Mayo PPN**



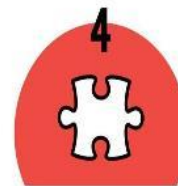
VOLUNTARY AND
OPEN MEMBERSHIP



DEMOCRATIC
MEMBER CONTROL



MEMBERS' ECONOMIC
PARTICIPATION



AUTONOMY AND
INDEPENDENCE



EDUCATION, TRAINING
AND INFORMATION



COOPERATION AMONG
COOPERATIVES



CONCERN FOR
COMMUNITY

Engage 7 Principles of Cooperation

2. Community Energy Projects:

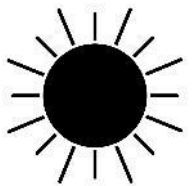


Solar Powered Social Anchor Institutions:

- **Mulranny National School**
- **Saint Brendan's Village**

5 MW Agro-PV Farm:

- **Power 1,000 homes**
- **Community ownership**
- **Community wealth building**



10 Hectares



1,000



AGRO Photovoltaic

3a. Social Solidarity Economy:

Concerted community support for:
Social Anchor Institutions:

- **Mulranny National School**
 - **Saint Brendan's Village**
1. **Reduce carbon footprints**
 2. **Expand education + social care**

Economic Anchor Institutions:

- **Mulranny Park Hotel**
 - **Nevins Newfield Inn**
1. **Reduce carbon footprints**
 2. **Expand economic + personal development opportunities**



Saint Brendan's Village

3b. Social Solidarity Economy:

Concerted community support for:

The Gift of Hands Group

- Upcycles wool offcuts from Foxford,
- Sales outlet for 16 Mayo crafters,
- Outlets in Mulranny, Westport & Dublin
- **Community wealth building,**
- Funds community-led local development,
- Community-centric, circular, economy



Gift of Hands shop

4. Procurement:

Mulranny has ecological impacts beyond its borders, due to consumption. [Ireland's Earth Overshoot Day](#) for 2021 was estimated to be the 27th of April, meaning that Ireland uses the resources of 3 planets per year. (China uses 2 planets per year).

Using the [Greenplan©](#) Sustainable Development Procurement Policy Mulranny will use fair trade supply chains to ensure sustainably sourced materials and ethical treatment of workers. To reduce consumption Mulranny will “share, repair, reuse, restore and regenerate”

Country Overshoot Days 2021

When would Earth Overshoot Day land if the world's population lived like...



Source: National Footprint and Biocapacity Accounts, 2021 Edition
data.footprintnetwork.org



5a. Smarter Travel:

Integrated smarter travel and tourism trails:

- Link **social – economic anchor institutions** and create behavioural change.
- Reduce short car journeys. Increase health and well-being. Support tourism jobs.
- Promoted by Failte Ireland Clew Bay Experience Plan

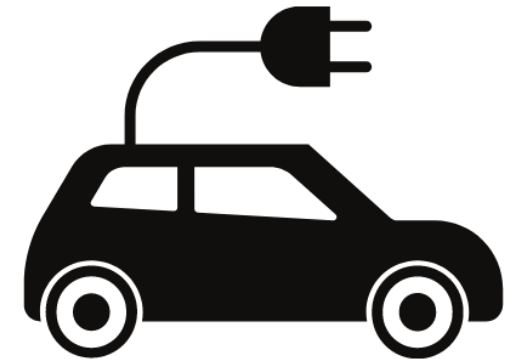
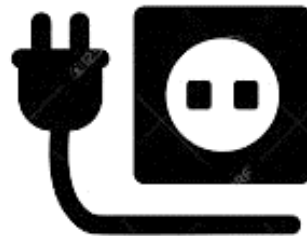
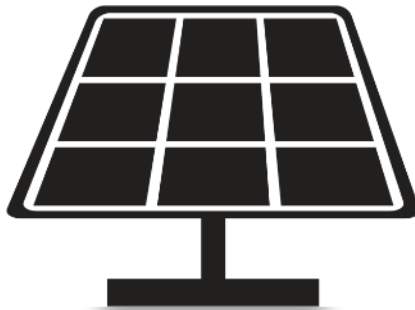
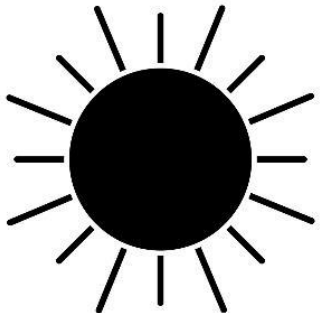


5b. Smarter Travel:



Coming soon: Community Electric Bike Share Scheme @ Tourist Office

- **Create behavioural change.**
- **Charged from renewable energy**
- **Free charging for visitors E-bikes from renewable energy.**
- **Reduce short car journeys. Increase health and well-being.**
- **Will accelerate smarter travel in Mulranny in 2022**
- **The community E-Bike scheme to extend to an Electric Car Sharing initiative.**



6b. Regenerative Farming:

- Many of Mulranny's farmers will have advanced high nature value farming solutions, organic/traditional low input farming practices, agroforestry and smart carbon-reducing technologies through a Farming Cooperative, in partnership with [Wild Atlantic Nature](#) which targets Mulranny's uplands.
- Saint Brendan's foundational horticultural project will have grown organically into a multifaceted, community food co-operative.
- Invasive species Rhododendron & Gunnera removed.



7. Thriving Biosphere:

A Biosphere is a special designation awarded by the United National Educational, Scientific and Cultural Organisation (UNESCO) to areas renowned for their special environment which are valued by local people:

- **Increase coastal resilience**
- **Carbon sequestration on farmlands and uplands**
- **Mulranny 42 sq km area dominated by peatlands, demonstrator for rural areas**
- **Nature based solutions could stay global temperatures by 0.3C**



THE NEPHIN MOUNTAIN RANGE

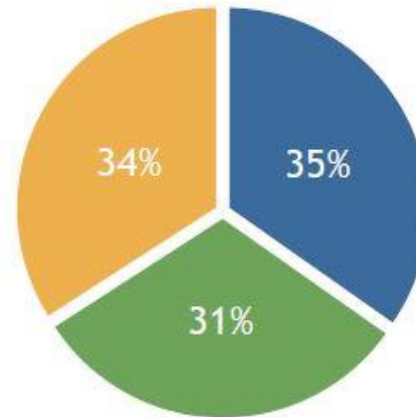


MULRANNY COASTLINE

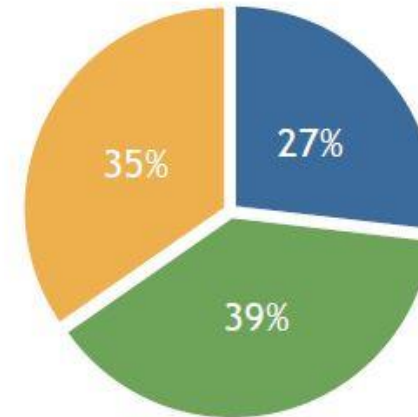
Mulranny SEC Energy Master Plan

■ Transportation
■ Thermal Fuel
■ Imported Electricity

Mulranny
Total Final Energy Cost (€)



Mulranny
Total Final Energy
Emissions (tCO₂e)



Figures detail the Total Primary Energy Consumption, Emissions and Cost breakdown by Fuel.

Energy Baseline

Mulranny (2018)				
Sector	Total Primary Energy Requirement (TPER)	Total Final Consumption (TFC)	Total Final Consumption (TFC)	Total Final Consumption (TFC)
	Usage	Usage	Emissions	Cost
	(MWh)	(MWh)	(tCO ₂)	(€)
Transportation	3,805	3,459	892	€418,497.00
Thermal Fuel	5,441	4,946	1,280	€375,126.00
Imported Electricity	5,217	2,386	1,152	€410,797.00
Total	14,462	10,791	3,324	€1,204,420

The table provides a summary of the TPER and TFC for the 3 main fuel sources used at Mulranny in 2018.

Energy Baseline

2018 - €1.2 million leaving Mulranny on Energy Costs!

Mulranny SEC Energy Master Plan



Key Opportunities

- 49% of housing built before 1990
- Heating heavily dominated by Oil & Peat
- Potential suitability for retrofit or deep retrofit
- Renewable Energy Solutions
- Smarter Travel

