



Low-Cost Local Area Energy Plans

September 2024

A whole energy system model delivering a LAEP, with simplicity and accuracy

What

A whole energy system model to produce a Low Cost Local Area Energy Plan.

- A tool to generate the tables and charts needed for you to write a complete LAEP
- Able to look at different Zones within a Local Authority area
- Tailored to your area's specific situation

Why

Enhance and maintain impact with limited budgets

- Increase engagement within Local Authorities
- Assist in the assessment of a Just Transition
- Maintain a current perspective on your plans
- Keep Up to Date as information changes
- Consider 'What if's'

How

Turning the modelling world on its head by providing you with a model representative of your local area from day 1

- Online
- You fine tune to your goals and time scales
- We will support you
- Build internal competencies
- Lean by doing

Spatial | Temporal | Evidence Based

You own your model, aggregate Zones, share with colleagues, and engage



LOCAL AUTONOMY

Autonomy in exploring risk with your own assumptions.

Not a "black-box" model which can be frustrating and can often become outdated as soon as they are produced.

Accessible for 'what if' analysis immediately and at any time



AGGREGATION OF ZONES

Bespoke heat Zones can be modelled in any Local Authority area.

Aggregation of Zones within an overall Local Authority Plan.

Aggregation of local models to regional and national levels provides a clear and transparent overview in a common format.



MODEL SHARING

Share the model and its outputs.

Allows best practice sharing.

You can retain programme level oversight and are able to direct attention to specific Zones.

React to events in real time



STAKEHOLDER ENGAGEMENT

Achieve buy-in from stakeholders to accelerate the transition.

Empower LA's, with the model's peak half hourly power demand data, to ask Grid Companies for the investments needed to deliver Net Zero Plans

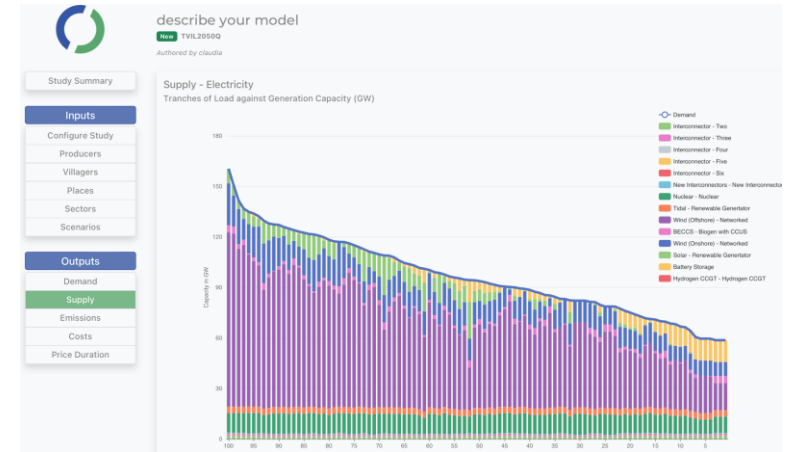
Build internal competencies

User friendly interface

INPUTS



OUTPUTS



ID	Name	Sex	Age	Ethnicity	Address	Vehicle	KM / year	Daily office charges (%)
1	SEBASTIAN	Male	28	English, Welsh, Scottish,	28	None	0	0
2	AMELIA	Female	3	English, Welsh, Scottish,	3	None	0	0
3	ELIZABETH	Female	42	English, Welsh, Scottish,	42	Tesla Model 3 L	14200	13
4	ISLA	Female	5	English, Welsh, Scottish,	5	Tesla Model 3 L	14200	13
5	THEODORE	Male	29	English, Welsh, Scottish,	29	Tesla Model 3 L	14200	13
6	DAISY	Female	28	English, Welsh, Scottish,	28	None	0	0
7	ADAM	Male	30	English, Welsh, Scottish,	30	Tesla Model 3 L	14200	13
8	PENELOPE	Female	31	English, Welsh, Scottish,	31	Tesla Model 3 L	14200	13
9	ELLA	Female	10	English, Welsh, Scottish,	10	Tesla Model 3 L	0	0
10	GRACE	Female	12	Caribbean	12	None	0	0
11	POPPY	Female	12	English, Welsh, Scottish,	12	None	0	0
12	CHARLOTTE	Female	13	English, Welsh, Scottish,	13	None	0	0
13	HARRIET	Female	32	English, Welsh, Scottish,	32	Tesla Model 3 L	14200	13
14	AVA	Female	33	English, Welsh, Scottish,	33	Tesla Model 3 L	14200	13
15	FLORENCE	Female	1	English, Welsh, Scottish,	1	None	0	0
16	REGGIE	Male	34	English, Welsh, Scottish,	34	Tesla Model 3 L	14200	13
17	MASON	Male	36	English, Welsh, Scottish,	36	None	0	0
18	RUBY	Female	4	English, Welsh, Scottish,	4	None	0	0
19	EVELYN	Female	20	English, Welsh, Scottish,	20	None	0	0
20	WILLOW	Female	21	English, Welsh, Scottish,	21	Tesla Model 3 L	0	0

Emissions Schema	Emission	Reference	Notes
Electricity supply	0	1	calculated from Electricity Grid and losses
Manufacturing and construction	0	3	calculated as industry and SME demand other than electricity and buildings
Fuel supply	0	0	reference adopted
Residential buildings	0	0	calculated as Domestic demand (not electricity)
Non residential buildings	0	1	not yet analysed (Emissions included in Manufacturing and construction)
Surface transport	0	1	calculated from Transport sector without shipping or aviation
Aviation	14	23	calculated from Aviation Sector
Shipping	9	1	calculated From Shipping Sector
Agriculture	35	35	reference adopted
LULUCF	20	20	reference adopted
Waste	8	8	reference adopted
F-gas	2	2	reference adopted
LULUCF sinks	-39	-39	reference adopted
Removals	0	-58	calculated from Carbon Dioxide Removal Technologies used
Total Emissions	51	-1	All Emissions

Tranzparent helps you implement your Local Energy Area Plans

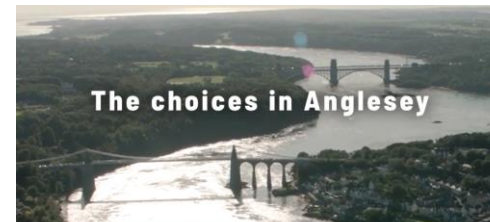


Keeping your LAEPs relevant, alive, and actionable

Tranzparent takes your data perhaps from recently developed comprehensive Local Area Energy Plans or detailed housing stock reports and translates them into usable and adjustable models.

Helping you to track progress, prioritise implementation strategies, and plan and deliver technology roll-out.

Keeping your current plans relevant, alive, actionable, as well as adaptable to ever-changing circumstances in the energy world



Your own live, evergreen, updatable, and accessible model at a low cost with high impact for you and your stakeholders

Contact us for a Demo

- Request a free login to view the app's functionality
- Contact sales@tranzparent.energy for a demo focussing on your needs
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- Follow our blogs on [LinkedIn](#)

Low-Cost high impact

- **5 p per resident**

- Using any current Local Area Energy Plans
- A counter factual (today) and a target year model
- Supported by us
- Access for 2 client users per Local Authority or Region

Going Further

- More models can be added
- Base product assumes a minimum 80% alignment with your references e.g. published LAEP's or national models e.g. National Grid FES and Climate Change Committee
- Additional user licenses can be purchased