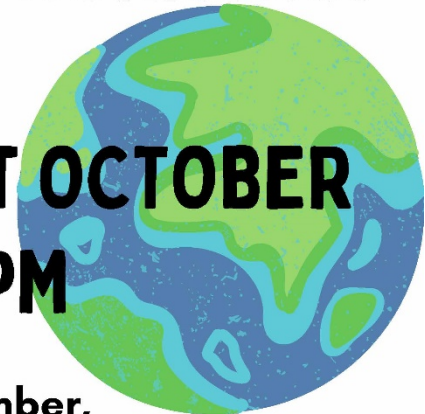




CLIMATE EMERGENCY WORKSHOP

**SATURDAY 1ST OCTOBER
AT 2PM**



**Town Hall Chamber,
Market Place, Newbury, RG14 5AA**

We can help stop
climate change
together



Visit our website for more
information and how to
book your place!
www.newbury.gov.uk

Agenda

- **2:00 Welcome and Introduction**
- **2:10 Newbury Town Council's carbon footprint**
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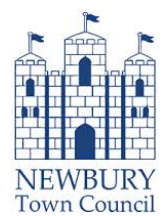


Making Newbury a town we can all be proud of



Cllr Martin Colston

Leader, Newbury Town Council



Newbury Town Council Role



Represent and respond to the aims, ambitions, views and concerns of residents & community of Newbury

- Statutory consultee on Planning & Highways
- Responsible for:
 - Most parks, playgrounds & public spaces
 - All allotments
 - All cemeteries
 - Many public amenities
 - Town Hall and several other public buildings
 - Charter market and Farmers' market
 - Mayor and civic events
- Local Power of Competence enables NTC to take on additional responsibilities as it sees fit:
 - E.g. Detached youth work for town centre



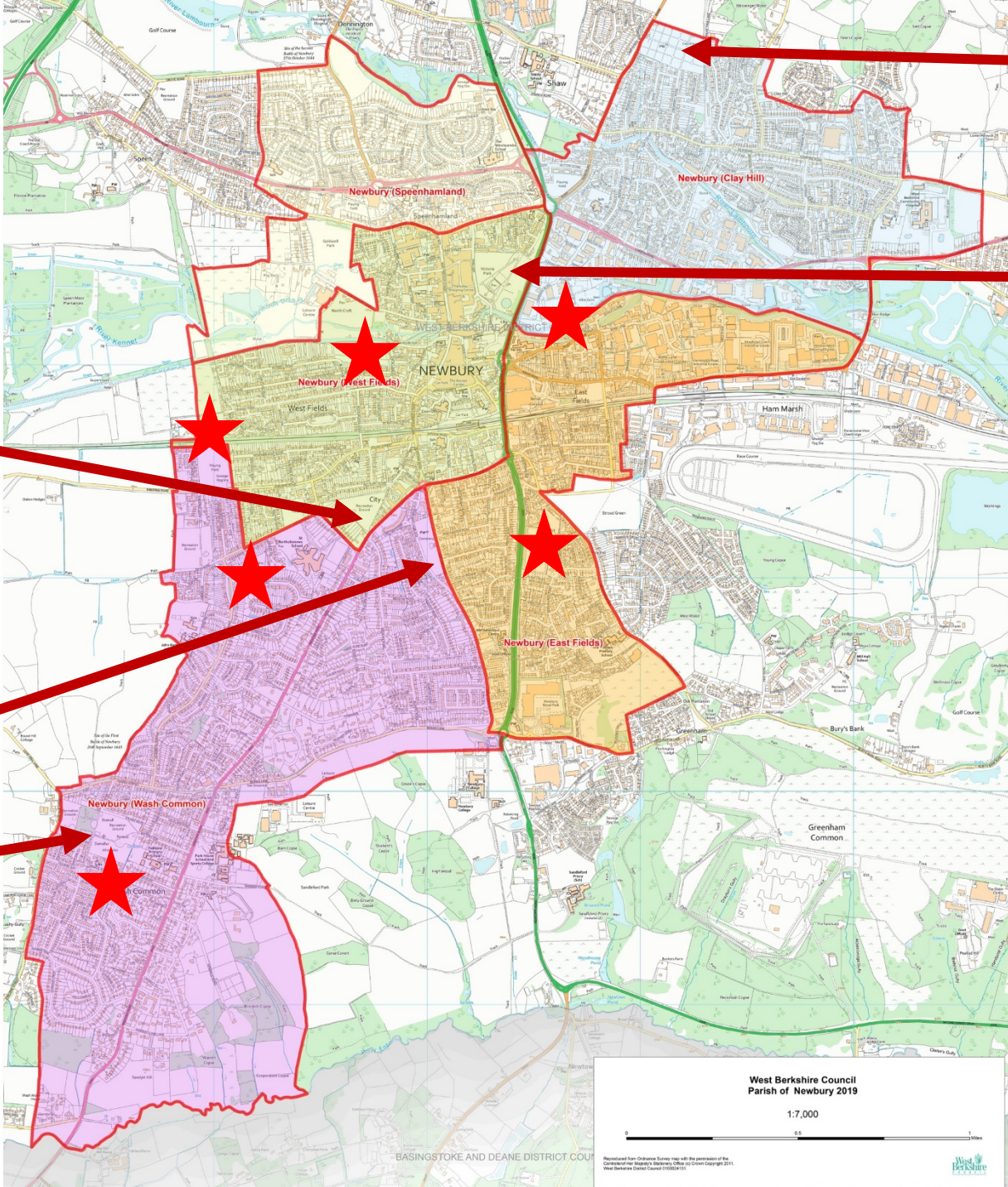
- Planning & building control
- Roads, transport & parking
- Licensing
- Care & housing
- Schools, learning & libraries
- Consumer & environmental protection
- Rubbish & recycling
- Leisure, parks & countryside
- Tax & benefits

- Lobby and work with other bodies to further the interests of the people of Newbury, especially:



- Funded by annual Precept, & some other income

- Funded by government, council tax, business rates & other income streams



**Shaw
Cemetery**

Victoria Park

City Rec

**Newtown Road
Cemetery**

**Wash Common
Rec**

**★
Allotment sites**

Climate Emergency Declaration – 10th June 2019

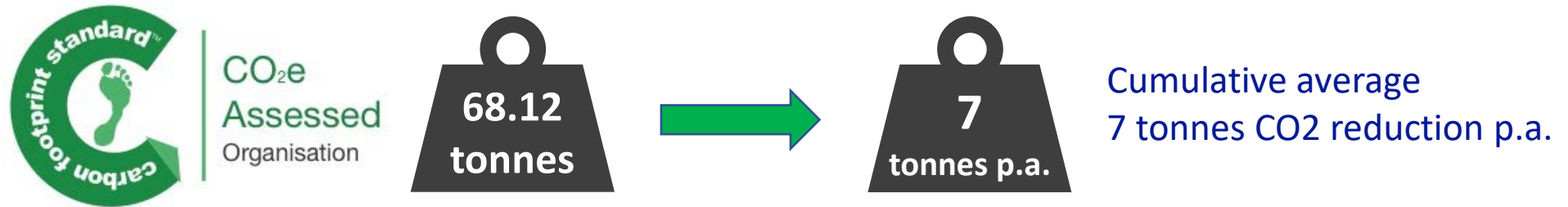
- **Make the activities of Newbury Town Council carbon neutral by 2030, and ensure that the Council’s strategic plan supports this objective**
- **Set up a Climate Emergency Working Group of Members and Officers**
 - This new Working Group will answer to the Full Council, and should:
 - Recommend the steps the Council should take to **develop a clear evidence-based and fully costed strategy** to ensure the Council’s activities are carbon neutral by 2030
 - Recommend the **processes and structures the Council should employ to monitor and evaluate** the implementation of the strategy
 - Explore how NTC can support and promote a wider program of activities to **help Newbury as a whole become more sustainable**
- **NTC was first council in West Berkshire to declare a climate emergency**

Climate Change Working Group: Cross Party

- **Chris Foster** – Chair
- **Steve Masters** – Vice Chair
- **Jeff Beck**
- **Martin Colston**
- **Nigel Foot**
- **Stuart Gourley**
- **Roger Hunneman**
- **Olivia Lewis**
- **David Marsh**
- **Sarah Slack**
- **Martha Vickers**

3. Take actions to address the climate emergency

- Ensure the activities of the Town Council are carbon neutral by 2030 or before
 - Actively encourage and support actions that will make Newbury as a whole more environmentally sustainable



Re-design the new Community Café for Victoria Park:
with target BREEAM Excellent for the construction
and to be carbon neutral in operation



Launch a Climate Fund to support local community groups
with projects that will reduce CO₂ emissions in Newbury



Making Newbury a town we can all be proud of



CLlr Chris Foster

Chair, Climate Emergency Working Group

What Have We Done So Far?

- ✓ **Full carbon audit of NTC activities**
 - ✓ 2018/19 = 68.1 tonnes CO₂
- ✓ **Set and report against interim targets:**
 - ✓ Carbon neutral by 2030 latest – cumulative average reduction of 7 tonnes CO₂ p.a.
 - ✓ Annual reduction target & reporting – 2019/20/21/22 so far reported
- ✓ **Newbury Town Council carbon reduction projects:**
 - ✓ Renewables and energy efficiency measures – key to carbon footprint reduction
 - ✓ Infrastructure
 - ✓ Trees and Wildlife
 - ✓ New Grounds Maintenance contract
- ✓ **Newbury Town Council biodiversity**
 - ✓ Wildflower meadows and tree planting
 - ✓ Biodiversity audits
- ✓ **Newbury Town Council carbon footprint prevention**
 - ✓ New Community Café in Victoria Park – redesign
- ✓ **Carbon Grants**

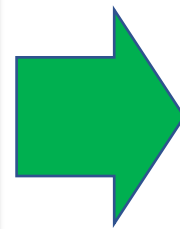
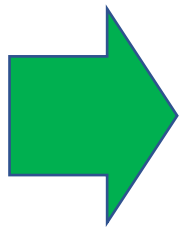


What Have We Done So Far? – carbon reduction projects

Renewables & Energy Efficiency - *key for emissions reduction*

Replace electric heating units, energy efficient lighting, controls, smart metering

- Town Hall & Shaw Cemetery completed, other assets to be considered.
- 5 new low energy footway lighting units (replace remainder as they expire)



What Have We Done So Far? - infrastructure

- **Use recycled material for all replacement & new surfaces (play areas) and pathway**
 - City Rec track & surfaces under play equipment using rubber mulch and similar materials.
- **Use recycled materials for benches & tables in recreation areas**
 - New benches & tables in City Recreation ground
- **Encourage reduction in consumption of plastic water bottles**
 - New drinking water taps in City Recreation Ground and Wash Common
- **Reduce water consumption**
 - Victoria Park splash park



What Have We Done So Far? – trees & wildlife

- **Wildflower meadows, verge management for wildflowers**
 - New wildflower beds in City Recreation Ground & Victoria Park
 - 3rd planned for Greenham House Gardens – spring 2023

- **Trees & Community projects**
 - City Recreation Ground planted & possibility for more in the Roebuts Close & other areas
 - Continuation of planting 2 for each 1 removed
 - Ongoing support to Lockdown Wood in Barn Crescent & Community Orchards
 - Provide assistance to Community Projects, NHS Garden Andover Rd & Lock Island



What have we done so far? - Grounds Maintenance Procurement

- Strategic goal to reduce carbon consumption on the contract
- Working in partnership to rejuvenate planting schemes with less emphasis on traditional bedding. Reduced peat & water consumption
- Green waste composting where permitted. Licensed general waste management & recycling (Greenham Business Park).
- Electric vehicles and equipment, carbon reduction, reduced emissions, noise and vibration
- Vehicle tracking to manage fuel consumption
- Enhancing wildflower areas
- Planting for pollinators
- Tree planting
- Bird boxes, bat boxes, bug hotels, solitary bee hives



What Have We Done So Far? – carbon footprint prevention

- **Redesign of new Community Café in Victoria Park**
- **Goal to minimize carbon impact in construction and be carbon neutral in operation:**
 - Target BREEAM Excellent
 - Passive House thermal standard
 - Solar power generation
 - Air source heat pumps
 - Heat recovery & redistillation
 - Carbon offset (solar) project
- **Additional climate enhancing features:**
 - Elevated to give more permeable surface under building
 - Rain garden
 - Hedging & planting



What do we measure?

Baseline Measurement Criteria

Scope 1 Direct Emissions	Scope 2 Energy Indirect	Scope 3 Other Indirect
Fuel combustion	Consumption of purchased electricity, heat steam and cooling	Purchased materials and fuels
Owned Transport		Transport related activities
Process emissions		Waste disposal
Fugitive Emissions		Leased assets, outsourcing and franchising
		Sold goods and services

Year 3 Measurement Criteria

Scope 1 Direct Emissions	Scope 2 Energy Indirect	Scope 3 Other Indirect
<u>Fuel combustion</u> Natural gas	Consumption of <u>purchased electricity, heat steam and cooling</u> Electricity District Heating	<u>Purchased materials and fuels</u> Water Paper
<u>Owned Transport</u> Fuel consumption (Strimmer)		<u>Transmission and distribution of energy</u> Electricity
<u>Process emissions</u> None		<u>Leased assets, outsourcing and franchising</u> Non-Controlled Site Electricity
<u>Fugitive emissions</u> Refrigerants		<u>Transport related activities</u> Car, taxi, bus and rail travel. Commuting & Home-working
		<u>Use of sold goods & services</u> None
		<u>Waste Disposal</u> Residual & Recyclable

Within the assessment boundary Not included within assessment boundary

2021-22 Carbon Footprint Result

As a result of the collaboration with Carbon Footprint Ltd,
I am able to confirm the result of the assessment carried out shows
the carbon footprint generated by Newbury Town Council in the year 2021/22 was:

2021-22 = 40.60 tonnes of CO₂e *

* This does not include indirect emissions generated by 3rd parties
employed by or associated with Newbury Town Council activities



CO₂e
Assessed
Organisation



CO₂e
Reduced
Organisation

Carbon Footprint 2021-22 - Analysis

Scope	Activity	Location-Based
Scope 1	Site gas	6.16
	Vehicle fuel usage	0.01
Scope 1 Sub Total		6.18
Scope 2	Electricity generation	26.78
Scope 2 Sub Total		26.78
Scope 3	Non-Controlled Site electricity	2.53
	Electricity transmission & distribution	2.37
	Employee-owned car travel (grey fleet)	1.35
	Water (and wastewater)	0.83
	Home-workers	0.56
Scope 3 Sub Total		7.65
Total tonnes of CO₂e		40.60

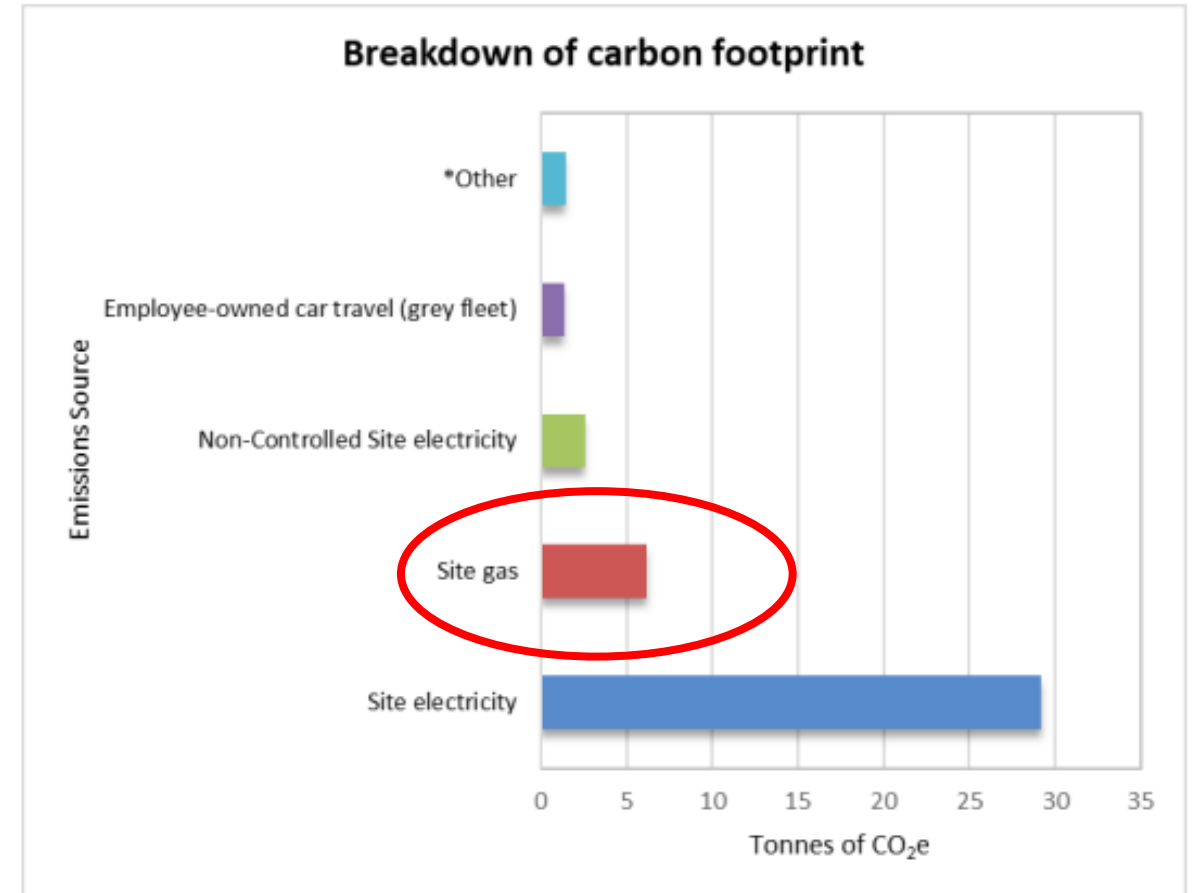


Figure 2: Contribution in tonnes of CO₂e of each element of NTC's carbon footprint



CO₂e
Assessed
Organisation

Carbon Footprint 2021-22 – Comparing to 2018-19 baseline

Element	Baseline Year (2018/19)	Previous year (2020/21)	Current year (2021/22)	% change on baseline year	% change on previous year
Site electricity (Location-based)	58.64	41.24	29.15	-50.3%	-29.3%
Site gas	7.69	6.24	6.16	-19.8%	-1.1%
Vehicle fuel usage	0.00	0.01	0.01	n/a	1.2%
Employee-owned car travel (grey fleet)	1.17	0.38	1.35	15.2%	258.1%
Bus travel	0.06	0.004	0.00	-100.0%	-100.0%
Taxi travel	-	0.004	0.00	-100.0%	-100.0%
Rail travel	0.07	0.00	0.00	n/a	0.0%
Flights	0.49	0.00	0.00	n/a	0.0%
Water (and wastewater)	-	2.71	0.83	n/a	-69.3%
Home-workers	-	2.12	0.56	n/a	-73.4%
Non-Controlled Site electricity	-	-	2.53	n/a	0.0%
Total Tonnes of CO₂e (Location-based)	68.12	52.70	40.60	-40.4%	-23.0%

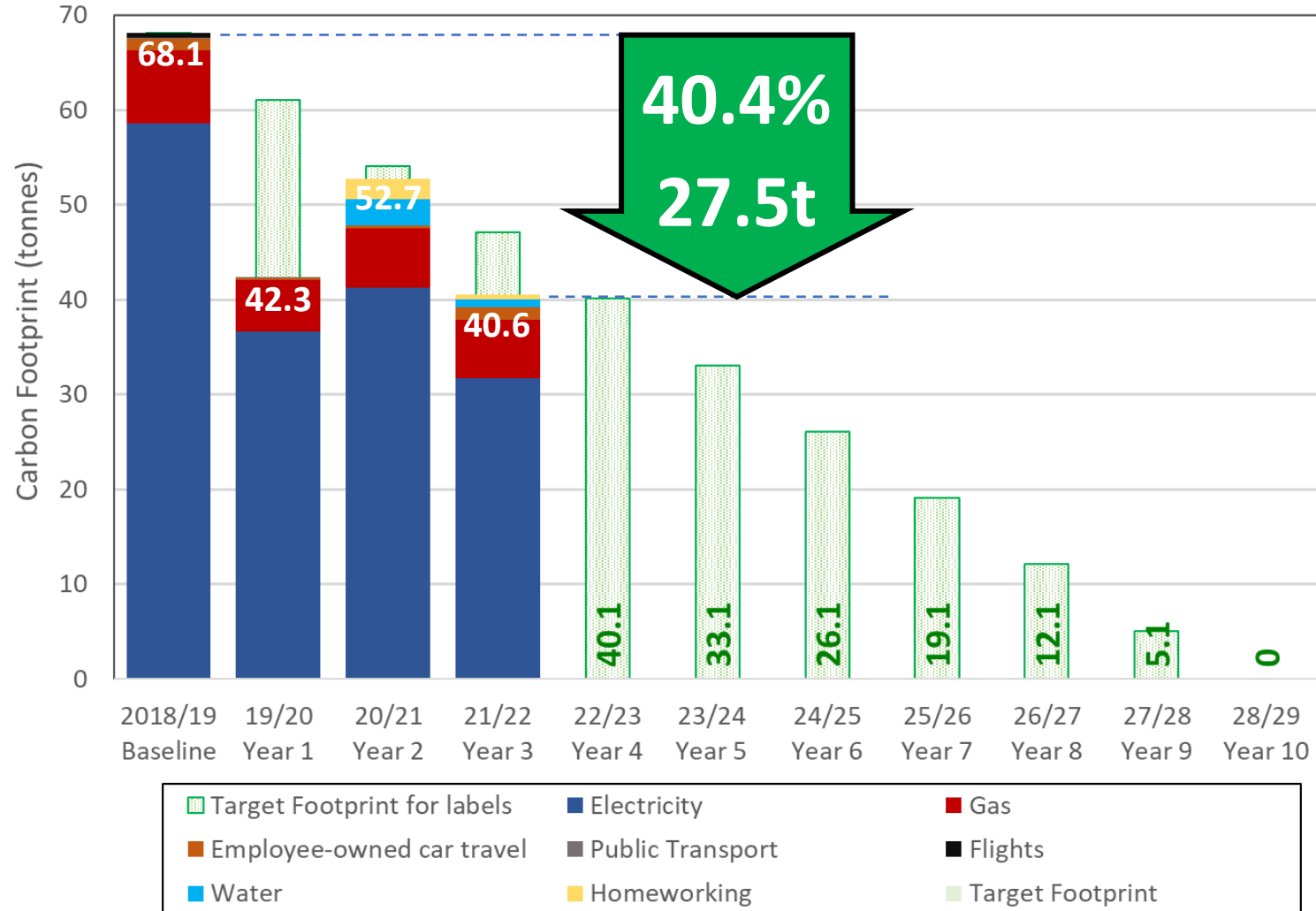
Significant energy £££ savings every year vs baseline



CO₂e
Assessed
Organisation

Carbon Footprint Reduction vs Target

Newbury Town Council - Carbon Footprint Reduction vs Target



CO₂e
Assessed
Organisation



CO₂e
Reduced
Organisation

Like for like comparison vs 2018-19 shows CO₂ footprint of 36.7 tonnes = 46.2% reduction



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Tackling our remaining carbon footprint

Next steps

Calculate (the Carbon footprint)



Aim (the target to achieve)



Reduce (the emissions)



Review 2021/22



Mitigate (offset the balance)

Review



Tackling the remaining 40 tonnes footprint – strategic direction

We will continue to reduce NTC direct energy usage / carbon emissions, but...

- **Energy saving initiatives alone will not get NTC to carbon neutral by 2030**
 - We will always need energy to run our office – lighting, heating, computing etc
 - We will always need machinery for grounds maintenance
 - Etc
- **Not all potential energy saving projects are viable / value-for-money**
 - Insulating the Town Hall
 - Double glazing historic Town Hall windows

We will offset the remaining carbon footprint through measurable, local projects

- **NTC Carbon Grants for local community groups**
- **Installation of additional renewable energy generation on NTC assets**

Tackling the remaining footprint - what we plan to do in 2022-23

- **Carbon reduction projects**

- Additional solar panels on the Town Hall roof – around **6.8kW**, and **3.5 tonnes CO₂** reduction (**8%** of remainder)
- Replace gas heating in Town Hall chamber with infra red electric heaters – become gas-free

- **Energy usage tracking and management**

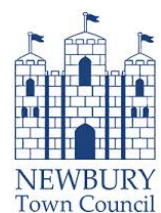
- Identify highest usage areas and prevent recurrence of 2020-21 un-noticed radiator



SSE Clarity is our cloud-based energy **visualisation platform, which lets us easily report on and compare energy usage data from smart meters.** **This understanding** of our consumption allows NTC to identify opportunities to use energy more efficiently so we can cut costs and carbon emissions, helping on the journey to net zero.

- **Award further NTC Carbon Grants**

- NTC Offset based on real, locally generated carbon reduction



Newbury Town Council Climate Grant

- **New Grants to support local groups with projects that will reduce CO2 emissions and other actions that benefit the climate in the parish of Newbury**
- **£10,000 available in grants per year**
- **Recipients of these grants will be expected to report back to NTC on the project outcomes**
- **NTC will take credit for an appropriate share of any carbon reduction and use this to offset total emissions**
- **Criteria against which Climate Grant applications will be evaluated:**
 - The Applicant will need to demonstrate the Carbon reduction benefit to be achieved
 - The Applicant will be required to feedback on the project and be willing to demonstrate the outcomes at a future Climate Change Workshop organised by the Council
 - Show a commitment to long term sustainability



Newbury Town Council Climate Grant – awards so far

- **Year 1 awards:**

- Wash Common Scouts
 - Grant supporting sustainable woodland management at their new scout hut.
- Ladybirds Pre-School
 - Ladybirds Pre-School have been awarded a grant for a base-line structural and energy survey to assess the carbon-reduction benefits of future thermal insulation of the building, including a new thermally efficient roof. Currently the pre-school is in a building which used to be a workshop and is over 30 years old.

- **Year 2 awards:**

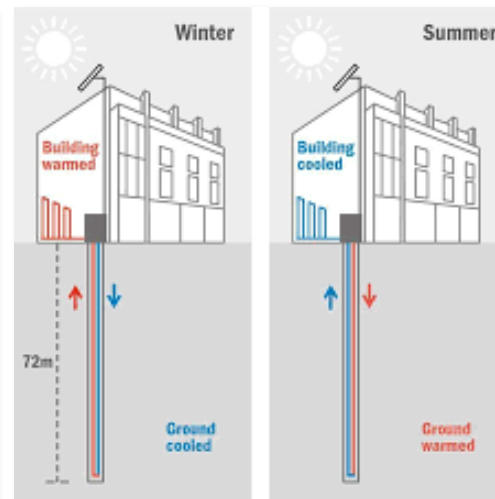
- Action for the River Kennet, ARK
- Community Matters West Fields
 - Community borrowing centre – library of things
- Newbury Community Resource Centre - Cardboard recycling

Newbury Town Council Climate Grant – year 3 potential project

- **Loose Ends and Newbury Cricket Club**
 - Electricity saving to reduce costs and carbon footprint
 - Gathering quotes and advice for solar panels and heat pumps

- **£10,000 available each year**

- **Do you have a suitable energy / carbon reduction project?**





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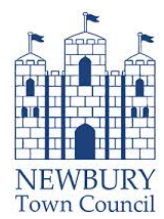


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Tackling the remaining footprint – longer term options

- **Continue to reduce our carbon footprint wherever possible**
 - Refurbish & replace older lighting & heating in Town Hall suites on tenancy changes
 - Investigate additional energy efficiency measures on other Town Council assets
- **Installation of solar panel array between Bowls Club and tennis courts in Victoria Park**
 - Offset any net energy usage from the new Café – actual full year data available in 2024
 - Produce ‘free’ electricity for the splash park
 - Anything left would further reduce NTC carbon footprint
- **Switch to green energy tariffs when current contracts expire**
 - Gives some carbon credits
- **Change Town Hall tenancy agreements to charge separately for energy rather than it being included**
- **Investigate methods of water reductions across the Town Council estate**



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Climate Emergency Working Group

Any Questions?

What else should we consider?

Any project ideas for NTC Carbon Grants?



CO₂e
Assessed
Organisation



CO₂e
Reduced
Organisation



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Thanks for coming, see you next time!



CO₂e
Assessed
Organisation



CO₂e
Reduced
Organisation