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ENERGY TRANSITION

Climate-4-CAST

Cities leading the change: Towards net-zero with climate budgeting **TAMPERE**

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Climate Management in Tampere

Strategies and tools

Strategies

- **Tampere Strategy 2035.** Carbon neutrality target by 2030. A leader in climate action and a pioneer in promoting biodiversity.
- **Mayor's Programme 2025–2029 – Our Tampere.** “Tampere is committed to achieving carbon neutrality by 2030 and promoting biodiversity.”
- **Climate and Environmental Policy Guidelines 2026–2035.** Further specify the Mayor's Programme and the city strategy.
- **Climate Neutral Tampere 2030 Roadmap.** Compiles the climate measures planned and implemented by the city group, including climate change adaptation measures.

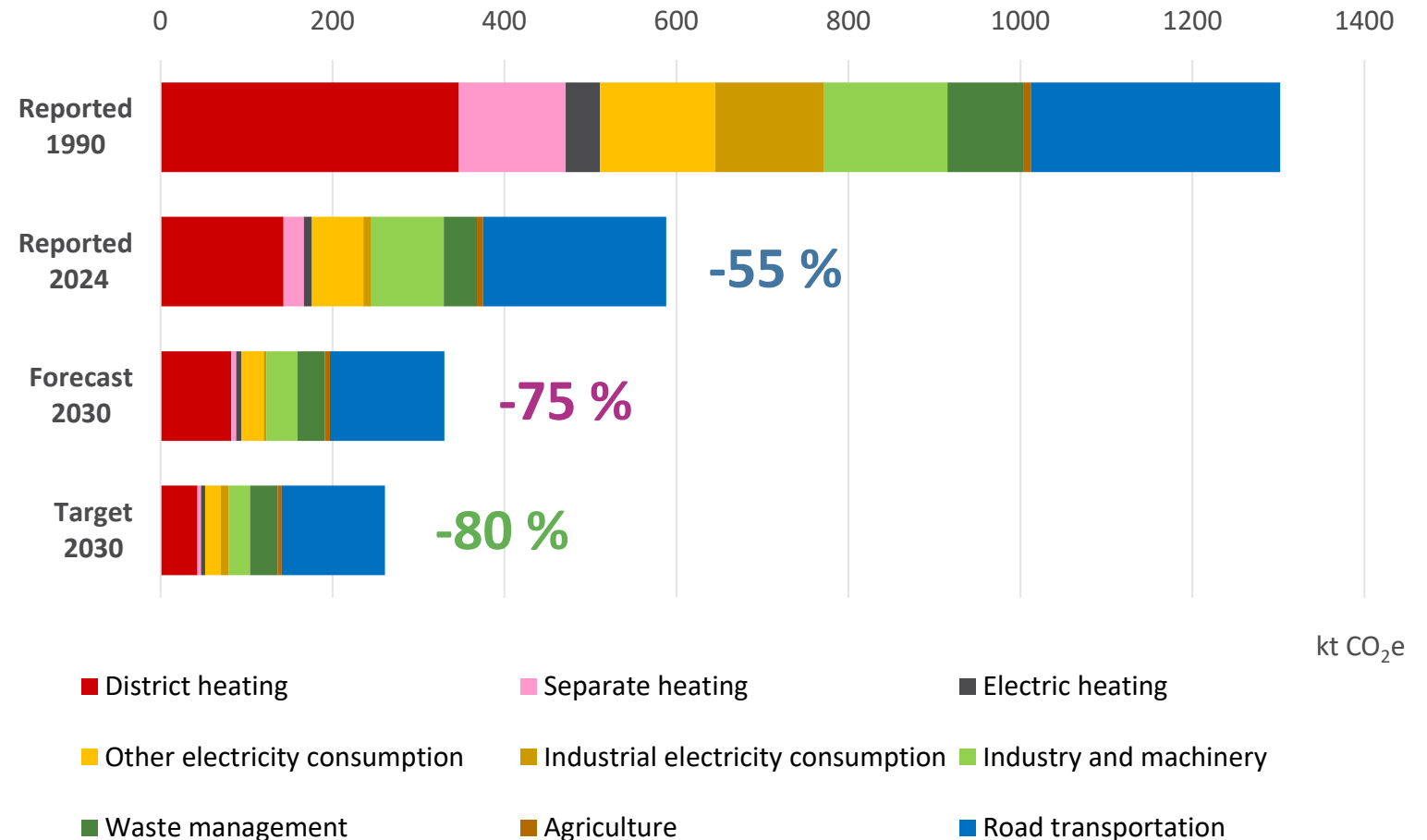
Tools:

- **Climate Budget.** Used to monitor funding for climate actions and to plan activities within the city's financial and operational planning cycles.
- **Climate Watch.** Used to monitor progress on the roadmap's climate measures.
- **Climate Action Decision Support Tool (CADS).** Combines climate target tracking, realised emissions development, future emissions forecasts, and the estimated impacts of climate actions in a single platform.

Climate neutral Tampere by 2030

Climate target

- **Target:** Achieve an **80 %** reduction in emissions from the 1990 level by 2030.
- **Forecast:** With current measures we estimate to achieve around **75 %** reduction by 2030.
- **Reported:** Climate emissions have decreased by **55 %** based on the latest available data.



Climate Neutral Tampere 2030 Roadmap

Roadmap was first adopted in 2020. Midterm review is currently underway: are the current measures sufficient to achieve the target and what additional actions may still be needed?

Roadmap measures are divided into seven themes:

0. Climate leadership and stakeholder work
1. Sustainable urban planning
2. Sustainable mobility
3. Sustainable construction
4. Sustainable energy
5. Sustainable consumption
6. Sustainable urban nature

Total number of measures more than 400.

Whole city organisation and subsidiaries are engaged.

THEME 0 – Climate leadership and stakeholder work

Tampere is carbon neutral in 2030. Tampere takes climate risks and change adaptation seriously.

0.1
Coordination
and communications
of climate work

0.2
Knowledge-based
management
and impact assessment

0.3
Sustainable business and
corporate cooperation

0.4
Sustainable
procurement

THEME 1 – Sustainable city planning

The city grows primarily into public transport zones and regional centres.

1.1
Assessment of the
urban structure

1.2
Guiding the
urban structure

1.3
Conditions for
sustainable mobility

1.4
Strengthening
green belts

THEME 2 – Sustainable transport system

Share of sustainable modes of transport is 69%.

2.1
Tram traffic

2.2
Local train traffic

2.3
Bus traffic

2.4
Service level of
public transport

2.5
Pedestrian and
bicycle traffic

2.6
Road transport

2.7
Delivery traffic

2.8
Waterborne traffic

2.9
Guidance of mobility

2.10
Transport equipment and
work machinery

THEME 3 – Sustainable construction

New construction is at a zero-energy level, and the carbon footprint of housing is small.

3.1
New construction in
city properties

3.2
Renovation construction in
city properties

3.3
Guidance of low-carbon
construction

3.4
Guidance of private
construction

3.5
Infrastructure construction

3.6
Use of recycled materials

THEME 4 – Sustainable energy

Renewable energy accounts for 80%.

4.1
Centralised
renewable energy

4.2
Smart
energy networks and
services

4.3
Decentralised renewable
energy and energy
efficiency

4.4
Abandoning
oil heating

THEME 5 – Sustainable consumption

Consumption is suitable and the circular economy is functional.

5.1
Waste management

5.2
Sustainable lifestyle

5.3
Ecosocial education

5.4
Eating

5.5
Sustainable tourism and
experience economy

THEME 6 – Sustainable urban nature

Urban nature and blue-green structures bind carbon, and the city is prepared for climate change.

6.1
Carbon sinks in
urban nature

6.2
Role of the blue-green
structure in adapting to
climate change

6.3
Ecological
network

Climate Budget

- Climate Budget has been part of **city's official budget** since 2020.
 - Realisation is reported as part of **city's financial statements**.
- Climate Budget consists of two components:
 - **Emissions Budget:** Annual maximum CO₂e emissions allocated across emission sectors.
 - **Financial Plan:** Financial resources allocated to climate actions and identification of funding gaps.

Integrates climate work into the **city's official financial planning and reporting** processes.

Supports the monitoring of **progress towards climate targets**

Provides **information for decision-making** and **enhances transparency** for citizens and stakeholders.



Continuous development

Climate Budget 2.0: FROM REPORTING TO BETTER PLANNING



• FINANCIAL PLAN 2020:	EMISSIONS					
• FINANCIAL PLAN 2021:	EMISSIONS	MEASURES	COSTS			
• FINANCIAL PLANS 22-25:	EMISSIONS	MEASURES	COSTS	CO2e IMPACTS	Climate Budget 2.0	
• FINANCIAL PLAN 2026:	EMISSIONS	MEASURES	COSTS	CO2e IMPACTS	FUNDING GAPS	
• FINANCIAL PLAN 2027:	EMISSIONS	MEASURES	COSTS	CO2e IMPACTS	FUNDING GAPS	BIODIVERSITY BUDGET

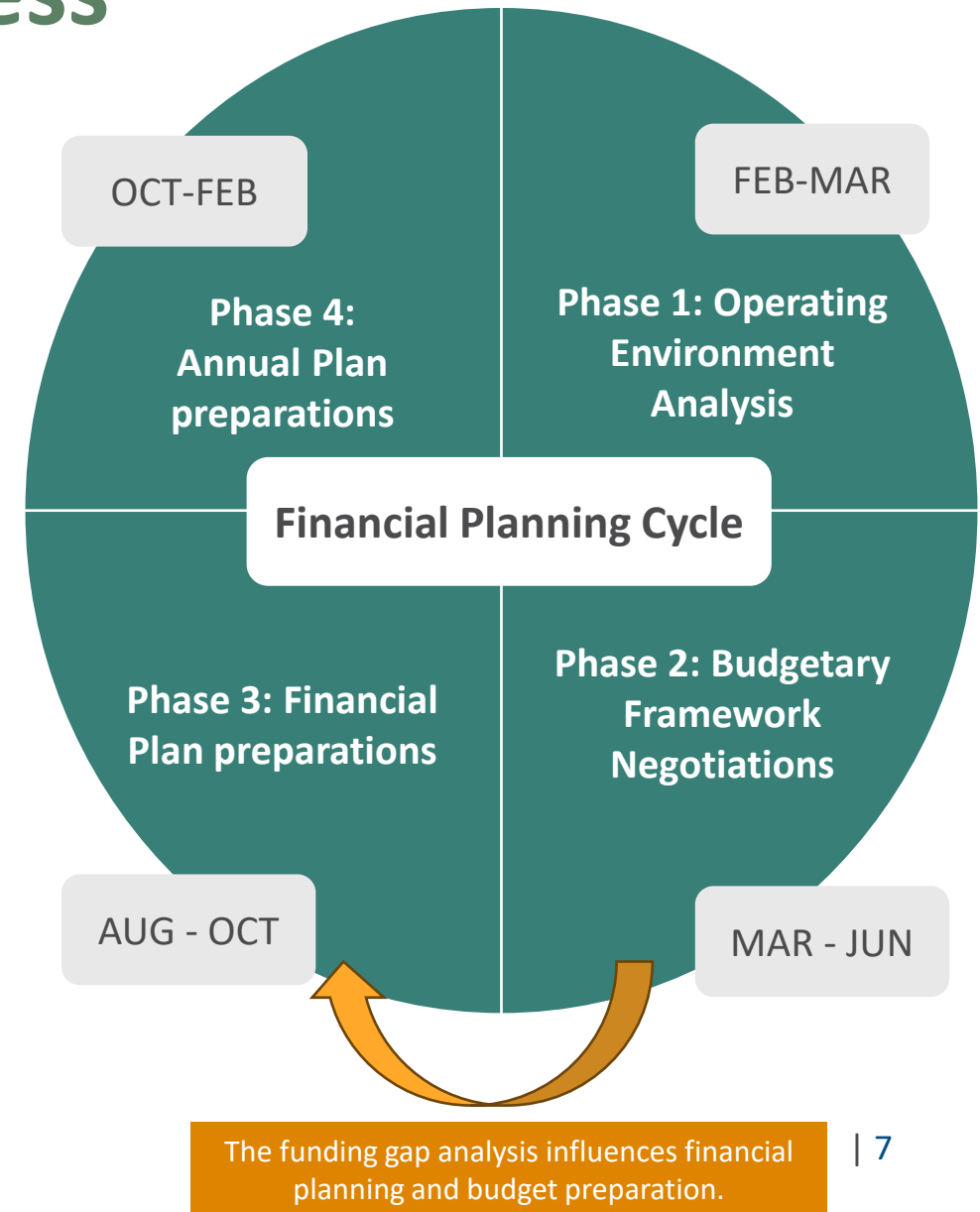
Improved Climate Budget process

From monitoring to planning and evaluation

Aim: Identify the sufficiency of climate measure funding and possible funding gaps. Prioritise the most crucial measures to reduce emissions.

Approach

- **Spring / Budgetary framework negotiations:** City units estimate whether their roadmap climate measures can be implemented within current budget or whether additional funding is needed.
 - **Additional needs are evaluated and prioritised.** The most critical measures receive additional funding or are prioritised within the current budget over some other measures.
- **Fall / Finalisation of Climate Budget.** All city units and subsidiaries estimate costs for their climate measures (all investments + operational costs over 50 000 €/a).
- **Fall / Annual planning.** City units are instructed to incorporate climate actions into their annual plans.
- **February / Financial statements:** Investments and measures over 50 000 €/a of operational costs are reported in financial statements.



Prioritisation of additional funding needs

Six criteria framework

The measures are assessed against six different criteria.

A key starting point is to evaluate the significance of each measure, particularly in relation to **Tampere’s climate target**, its **potential for reducing emissions**, and the **critical emission sectors**.

Criteria might change between years.

Criteria	Categories
1. Impact category of the measure	Foundational or enabling measure/direct emission reduction impact/indirect emission reduction impact/no impact
2. Criticality of the emission sector	Prioritised sectors: Transportation, district heating, oil heating and industry and work machines.
3. Scope of the emission reductions	Prioritised scopes: Scope 1 and 2 emission reductions.
4. Emission reduction potential	Rough estimate: Large/medium/small.
5. Costs of the measure	Rough estimate: Small/relatively small/relatively large/large.
6. Additional benefits E.g. cost-savings, health benefits, well-being, biodiversity, better services etc.	Rough estimate: Substantial/medium/no benefits

Results in 2027 budget planning

Additional funding for at least 9 climate measures

- City units identified a total of **27 operational budget measures** that would require additional funding.
- After prioritisation **9** climate measures were proposed to receive additional funding of **225 000 €** in total.
- In addition, a funding gap of **4,3 M€** was identified for **9** climate investments. The approval and planning processes for these investments are still underway.



Image: Laura Vanzo / Visit Tampere

Lessons learned

The purpose is not better reporting, but better decisions.

- **Climate Budget can be used as a platform** for dialogue between climate experts, finance professionals and decision-makers.
 - It helps to allocate limited resources to actions that support the city's strategic goals, avoid future costs, and reduce emissions.
- **Even simple criteria might be enough for prioritisation** - especially if city's resources for impact assessment is limited.
 - You can start simple and improve iteratively.
- Important to **embed climate budget into existing planning and budgeting processes** – close collaboration between climate and financial units.



Image: Jukka Salminen / Visit Tampere

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Kiitos! Thank you!

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