

From gas dependency to renewable energy supply

Phase-Out-Gas & Vienna Heating Plan 2040

18.03.2026

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Department for energy planning (MA20)

**City of
Vienna**



Welcome to Vienna!

Some numbers

Who lives in Vienna?

1 Jan. 2024

Population

2,005,760



Women
51.0%



Men
49.0%

Population density

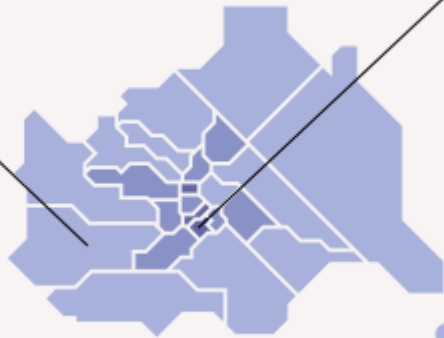
1 Jan. 2024

1,472

people per km²
Lowest density
(Hietzing)

27,043

people per km²
Highest density
(Margareten)



Vienna has an average population density
of **4,835 people per km²**

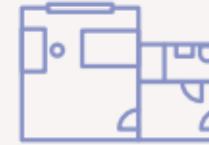
- Up to 10,000
- 10,001 to 20,000
- 20,001 and above

Average housing space

31 Oct. 2021

36 m²

Average housing
space per resident



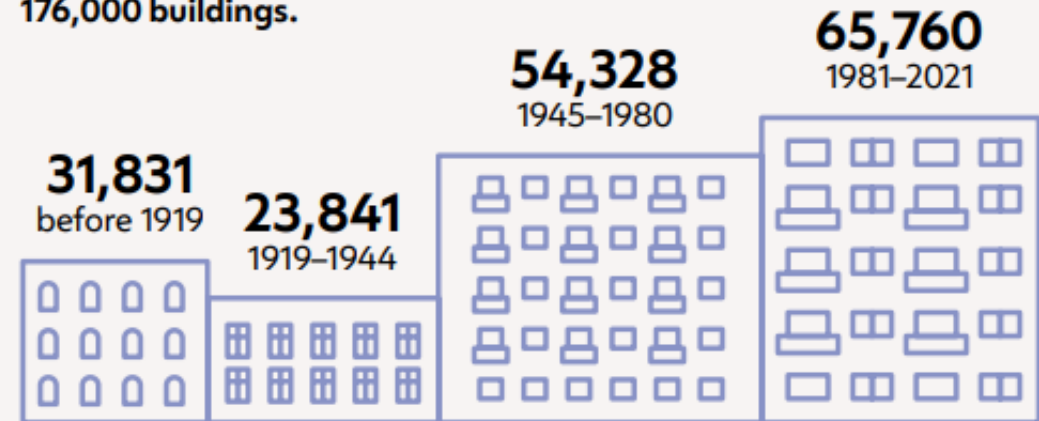
2.0

Average number
of residents
per apartment

Buildings by construction period

31 Oct. 2021

In 2021, Vienna had a total of about
176,000 buildings.



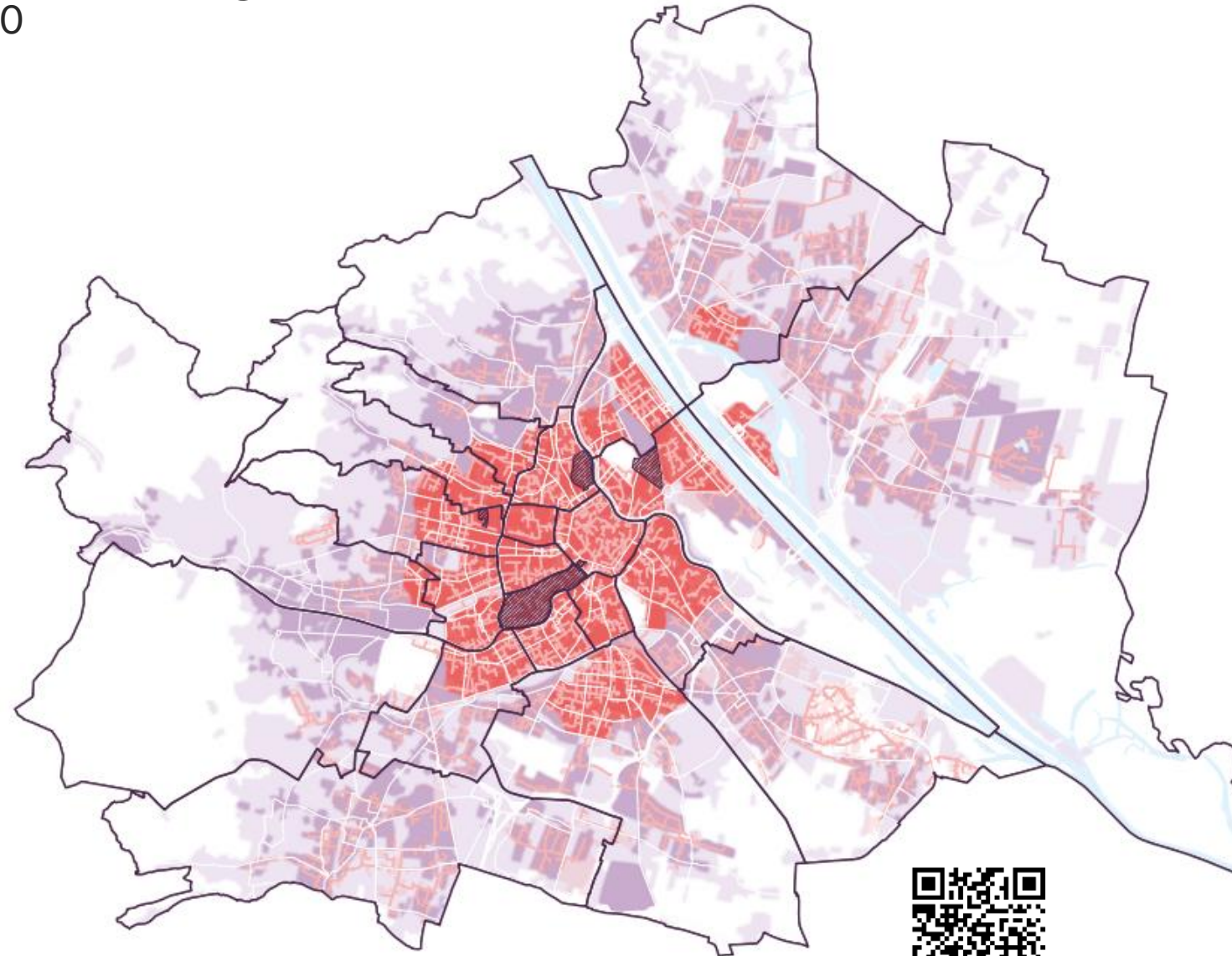
City of
Vienna

From gas dependency to renewable energy supply

Phase-out of gas and oil heating

Vienna Heating Plan 2040

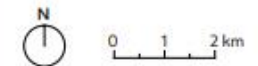
- Goal: Replacing 600.000 units heated with gas
- Focus on existing buildings
- Guidance for all people



Vienna Heating Plan 2040

Status: May 2024

- District Heating Today
Connection possible
- District Heating Today
Connected areas
- District Heating Future
Expansion planned
- "Pioniergebiete"
Expansion in process
- Local Collective Heating
Heating neighborhoods
- Local Individual Heating
Heating individual buildings
- City boundary
- District boundary
- Water body
- Main streets
- Non-built-up area

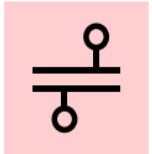


Underlying data: City of Vienna – Energy planning (MA 20),
Wien Energie, Wiener Netze
Base map: City of Vienna – data.wien.gv.at



Vienna Heating Plan 2040

Areas in detail



District Heating Today connected areas

These areas are **connected to district heating**. **Individual apartments** that are not yet connected to the central heating system, **can be connected retrospectively**.



District Heating Today connection possible

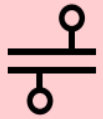
These areas show **district heating pipes** with the capacity for connecting additional buildings. Following a technical assessment by “Wien Energie”, a **connection to the district heating network could be possible today**.

~ 1250 km
6 TWh!
430.000 households
7000 business costumers



Vienna Heating Plan 2040

Areas in detail



District Heating Future expansion planned

These areas are particularly suitable for district heating due to the **dense urban development**, the **high heat demand density** and the **limited availability of local renewable energy sources**. Comprehensive expansion of district heating in these areas is being examined and will be realised gradually.



„Pioniergebiete“ (Pilot Areas) expansion in process

In these pioneering areas, the comprehensive **expansion** of district heating is proactively pursued and **implemented**. Synergies with other construction projects are utilised and the **experiences gained** are incorporated into the future expansion of district heating.

Rossau
(1090)



Allierviertel
(1020)



Huber-Block
(1160)



Gumpendorfer Straße
(1060)



Vienna Heating Plan 2040

Areas in detail



Local Collective Heating heating neighbourhoods



These areas are particularly suitable for collective heat supply via local heating networks. This is due to the **dense urban development** and **high heat demand densities** in these areas. Local heating networks utilise locally available energy sources and are capable of **supplying several buildings at once**. However, a **building-specific heat supply is also an option**.



- Heat density
- Building density
- Building structure



Local Individual Heating heating individual buildings



These areas are **less densely developed**. For buildings in these areas individual heating solutions using locally available renewable energy sources are recommended. **Local heating networks are also possible** in some cases.



100 Projects Phasing Out Gas

Initiate, inform, accompany, learn, talk about it

- **Demonstrate broad feasibility** of decarbonizing existing buildings
- Primary focus on **multi-storey residential buildings** without district heating connection options
- Collect, process and effectively disseminate **at least 100 Viennese Get Out of Gas projects by the end of 2025**
- As **wide a range** as possible of different initial situations and transformation solutions
- Create space for shared learning & prepare inputs for widespread rollout from 2026
- Important: **high transferability** of the developed solution approaches



Magistrat der Stadt Wien
Abteilung Energieplanung (PA 23)
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Stadt
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Phasing Out Gas – Showcase projects

100 Projects Phasing Out Gas

