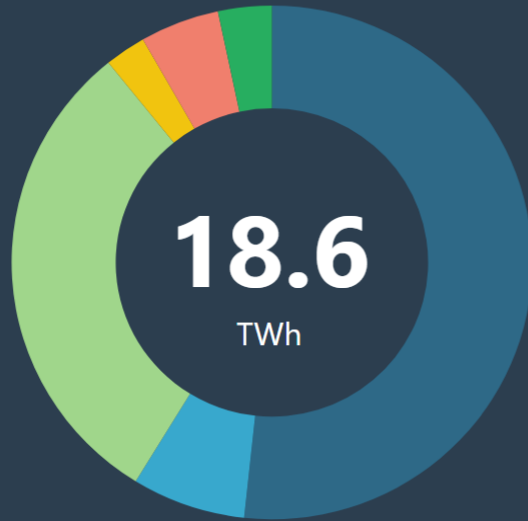


Finnish companies and municipalities & responsible use of energy 2017-2025

778 Companies
7,625 Sites
164 Municipalities/
Joint municipalities



ENERGY INTENSIVE INDUSTRY	52 %	MEDIUM-SIZED INDUSTRY	7 %
ENERGY SECTOR	30 %	PRIVATE SERVICE SECTOR	3 %
PROPERTY AND BUILDING SECTOR	5 %	MUNICIPAL SECTOR	3 %

ENERGY SAVING MEASURES AND INVESTMENTS IN 2017-2025



34,494
measures



2,103
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy
savings

18.6
TWh



Cost
savings

886
€ million



Reduction of
CO₂-emissions

4.0
million tonnes



ENERGY EFFICIENCY
AGREEMENTS

www.energyefficiencyagreements2017-2025.fi

Energy Efficiency Agreements

2017-2025

ENERGY EFFICIENCY AGREEMENT FOR INDUSTRIES



INDUSTRY

- Energy intensive industry
- Food and drink industry
- Chemical industry
- Technology industry
- Wood product industry
- Industry - general



ENERGY SECTOR

- Energy production
- Energy services



PRIVATE SERVICE SECTOR

- Commerce sector
- Hotel and restaurant sector
- Motor trades and repairs
- Services – general

ENERGY EFFICIENCY AGREEMENT FOR PROPERTY AND BUILDING SECTOR



COMMERCIAL PROPERTIES



HOUSING PROPERTIES

ENERGY EFFICIENCY AGREEMENT FOR MUNICIPAL SECTOR



CITIES & MUNICIPALITIES, JOINT MUNICIPALITIES

ENERGY EFFICIENCY AGREEMENT FOR OIL SECTOR



DISTRIBUTION OF LIQUID HEATING FUELS

- Oil-heated real estates



Annual energy savings 2017-2025

Close to **34,500** energy efficiency improvement measures implemented by the participants in 2017-2025 reduce Finland's total annual energy consumption by **18.6 TWh**. Of this **12.6 TWh** is related to final energy consumption. The savings equal to **5.2%** of Finland's total energy consumption in 2025.

In addition, annual energy saving from customer advice services is around 1 TWh.



IN THIS WE SUCCEEDED:

MORE SAVINGS ACHIEVED

Average new annual savings in 2017-2025 was 2.1 TWh, while the corresponding savings during the previous agreement period was 1.8 TWh.

A significant increase in annual savings arose from a couple of exceptionally large savings measures implemented in energy intensive industry.



Energy savings of
reported measures

18.6

terawatthours
annually

=



Equals to

967,000

annual energy use of
electrically heated
houses

Energy savings of
customer advisory

1

terawatthours
annually

=

Equals to

52,000

annual energy use of
electrically heated
houses



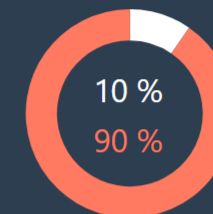
Annual heat and electricity savings 2017-2025

Of the energy savings achieved across all agreement sectors in 2017-2025, **90%** was heat and fuels, and the remaining **10%** was electricity. In recent years, electrification has increased electricity consumption and reduced calculated electricity savings.

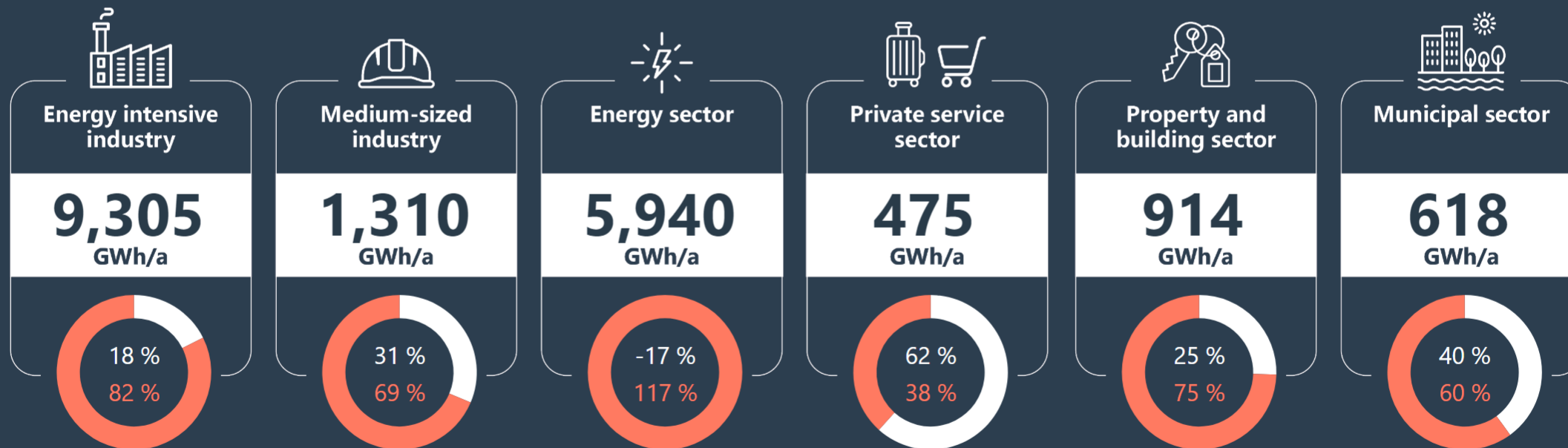
The share of electricity savings is particularly high in the private services sector (62%).

TOTAL ANNUAL SAVINGS

18.6
TWh/a

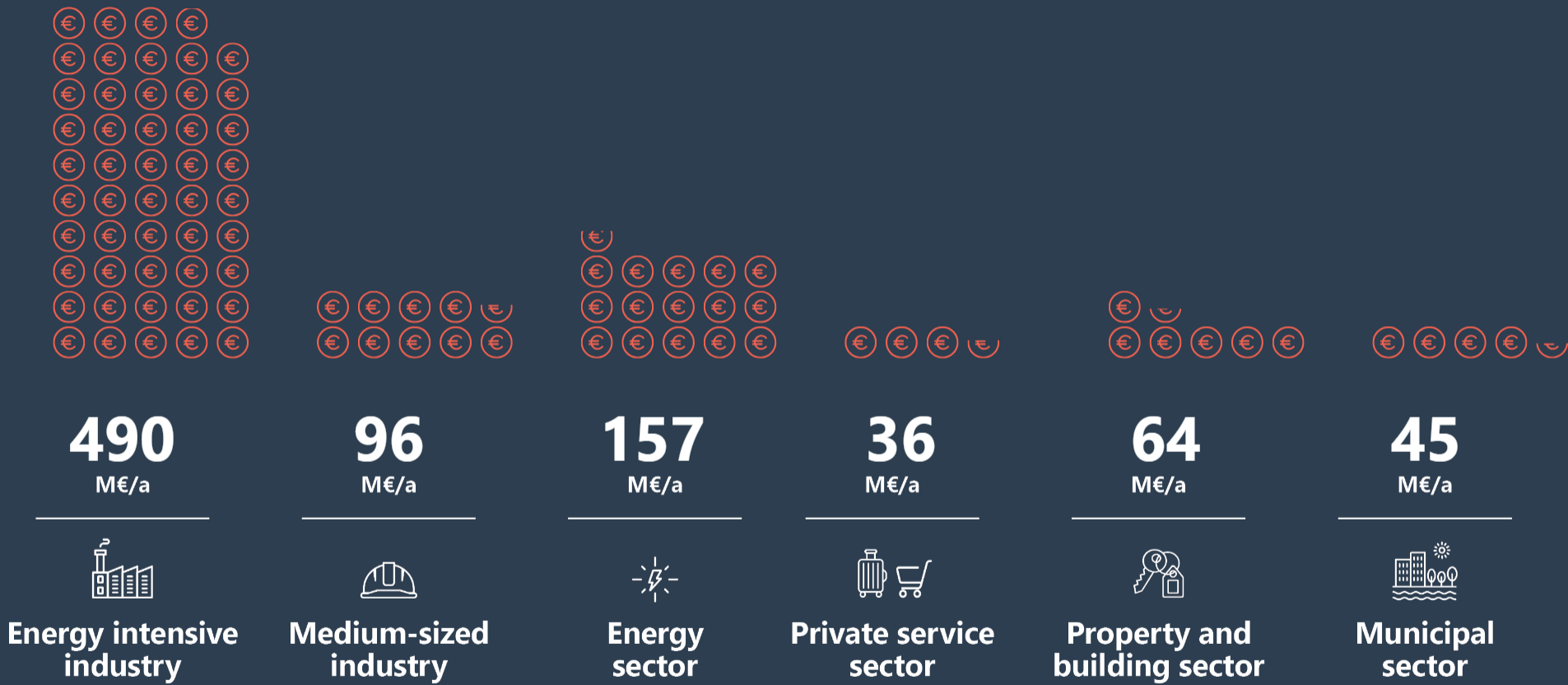


● ELECTRICITY
● HEAT AND FUELS



Annual cost savings 2017-2025

Energy saving measures implemented in 2017-2025 reduced participant's annual energy costs in total by 886 million euros.



Annual carbon dioxide emission reduction 2017-2025

Efficient use of energy is one of the key means to mitigate climate change. Energy efficiency is globally recognized as the "first fuel" when aiming to reduce energy consumption and greenhouse gas emissions.

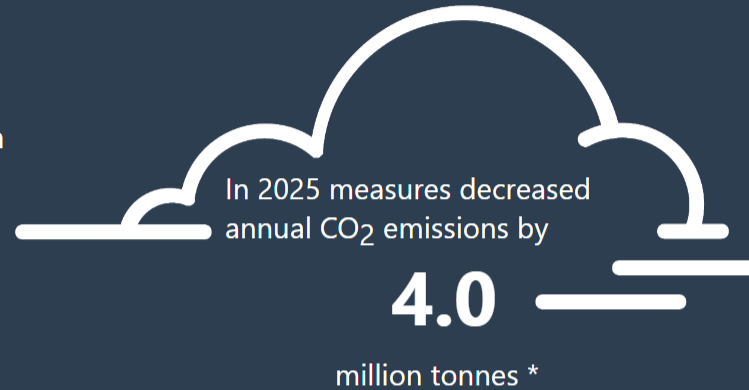
Close to 34,500 energy savings measures implemented by agreement participants in 2017-2025 reduce annual carbon dioxide emissions by 4.0 million tonnes.



IN THIS WE SUCCEEDED:
LESS EMISSIONS

The average new annual carbon dioxide reduction* in the years 2017-2025 was 0.4 million tonnes.

* calculated with average emission factor for electricity



ENERGY EFFICIENCY
AGREEMENTS

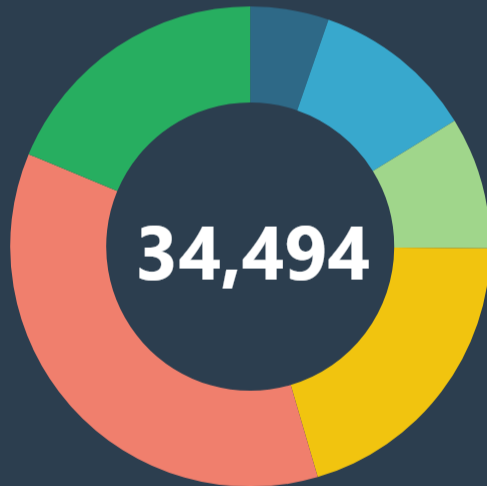
www.energyefficiencyagreements2017-2025.fi

Energy efficiency measures & investments

2017-2025

The participating companies and municipalities have implemented over 34,500 saving measures in 2017-2025. Private service sector and property and building sector have implemented over half of the measures.

**NUMBER OF ENERGY
EFFICIENCY MEASURES
IN 2017-2025**



**ENERGY EFFICIENCY
INVESTMENTS
IN 2017-2025**



ENERGY INTENSIVE INDUSTRY



MEDIUM-SIZED INDUSTRY



ENERGY SECTOR



PRIVATE SERVICE SECTOR



PROPERTY AND BUILDING SECTOR



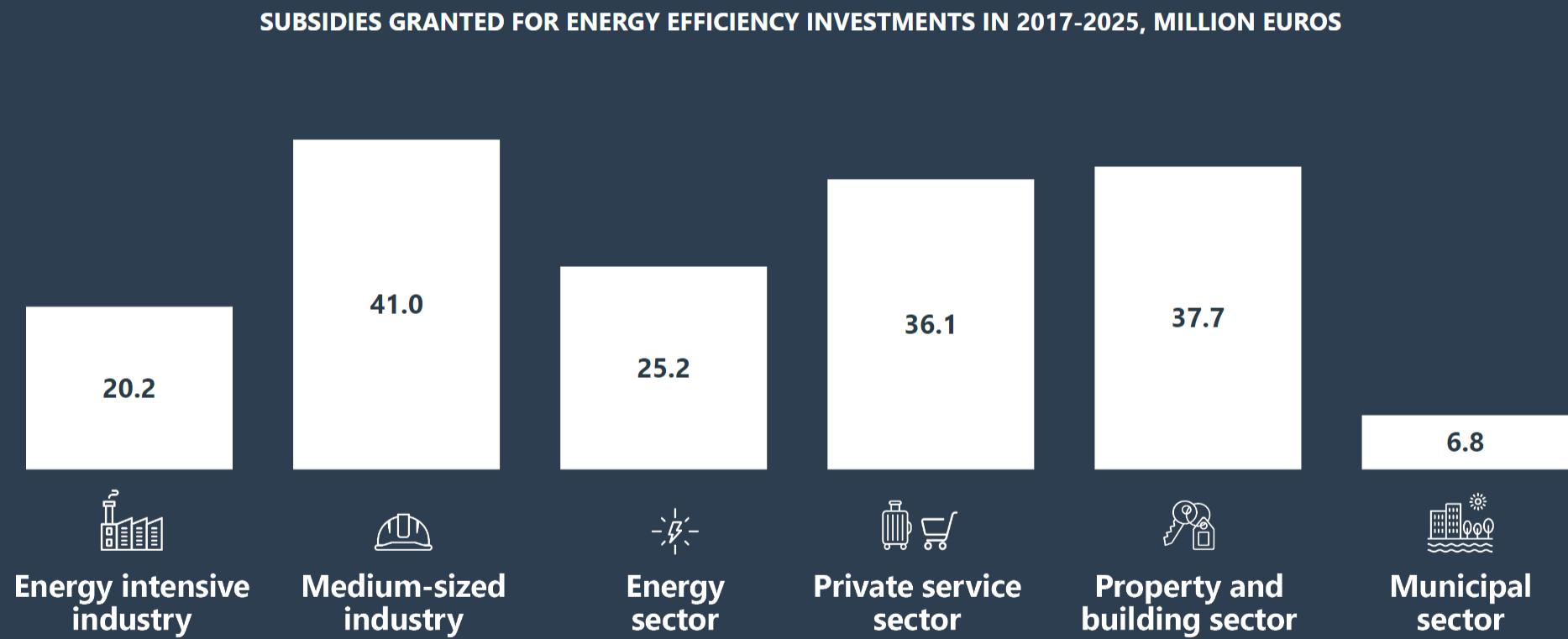
MUNICIPAL SECTOR



Government support for energy efficiency investments

2017-2025

The Ministry of Economic Affairs and Employment provides energy efficiency investment subsidies to participants based on individual assessment. In 2017-2025 investment subsidies totaling **167.0 million euros** were granted to **1,552** projects.





Energy Intensive Industry in Finland & Responsible Use of Energy 2017-2024



40 Companies



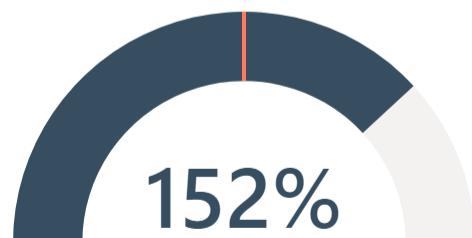
151 Sites

TARGET

The total annual energy saving target of companies at the end of 2025.

6,294
GWh

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



1,825
measures



565
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

9,597 *
GWh



Cost savings

495
€ million



Reduction of CO₂-emissions

1,970
kilotonnes

* Of which 293 GWh from industry power stations



**ENERGY EFFICIENCY
AGREEMENTS**

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Food & Drink Industry in Finland

& Responsible Use of Energy 2017-2024



54

Companies



110

Sites

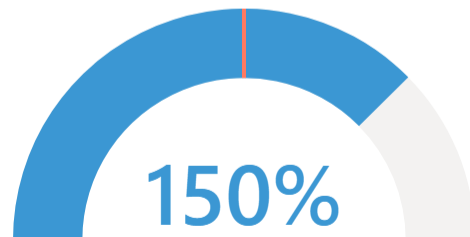
TARGET

The total annual energy saving target of companies* at the end of 2025

232
GWh

*Medium sized energy users

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



982
measures



59
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

328
GWh



Cost savings

22
€ million



Reduction of CO₂-emissions

60
kilotonnes



ENERGY EFFICIENCY
AGREEMENTS

www.energyefficiencyagreements2017-2025.fi



Chemical Industry in Finland

& Responsible Use of Energy 2017-2024



62

Companies



114

Sites

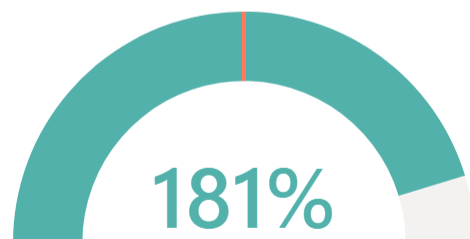
TARGET

The total annual energy saving target of companies* at the end of 2025

143
GWh

*Medium sized energy users

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



553

measures



44

€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

253
GWh



Cost savings

17.8
€ million



Reduction of CO₂-emissions

50
kilotonnes



ENERGY EFFICIENCY
AGREEMENTS

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Wood Product Industry in Finland & Responsible Use of Energy 2017-2024



17

Companies



47

Sites

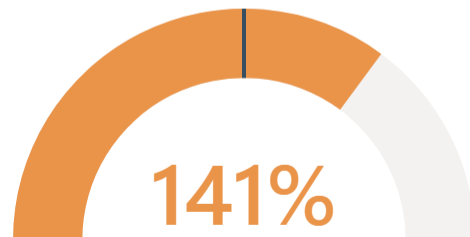
TARGET

The total annual energy saving target of companies* at the end of 2025

139
GWh

*Medium sized energy users

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



136

measures



19

€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

161
GWh



Cost savings

8.7
€ million



Reduction of CO₂-emissions

34
kilotonnes





Technology Industry in Finland & Responsible Use of Energy 2017-2024



137 Companies



313 Sites

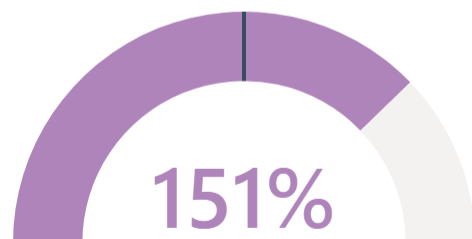
TARGET

The total annual energy saving target of companies* by the end of 2025

337
GWh

*Medium sized energy users

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



1,669
measures



78
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

492
GWh



Cost savings

41
€ million



Reduction of CO₂-emissions

71
kilotonnes



ENERGY EFFICIENCY
AGREEMENTS

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General Industry in Finland & Responsible Use of Energy 2017-2024



35 Companies



132 Sites

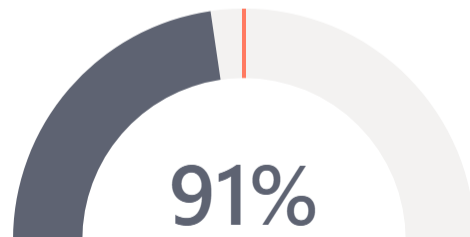
TARGET

The total annual energy saving target of companies* at the end of 2025

84
GWh

*Medium sized energy users

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



430

measures



12.2

€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

76
GWh



Cost savings

5.8
€ million



Reduction of CO₂-emissions

15
kilotonnes





Energy Production in Finland & Energy Efficiency 2017-2024



43 Companies



177 Sites

TARGET

The total annual energy saving targets of companies at the end of 2025

Electricity

419

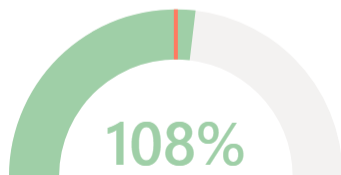
GWh

Primary energy

1,747

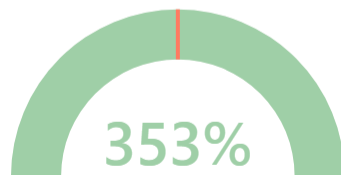
GWh

Targets reached by the end of 2024



108%

Electricity



353%

Primary energy

MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



771

measures



532

€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

4,765 *

GWh



Cost savings

119

€ million



Reduction of CO₂-emissions

1,449

kilotonnes

* Additionally industrial power stations save 293 GWh



ENERGY EFFICIENCY
AGREEMENTS

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Energy Services in Finland & Energy Efficiency 2017-2024



94 Companies



136 Sites

TARGET

The total annual energy saving targets of companies at the end of 2025

Electricity

281

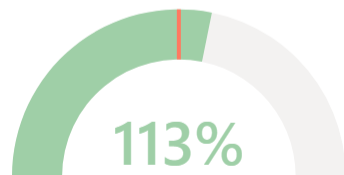
GWh

Primary energy

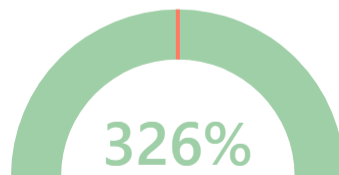
174

GWh

Targets reached by the end of 2024



Electricity



Primary energy

MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



2,297

measures



303

€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

883

GWh



Cost savings

32

€ million



Reduction of CO₂-emissions

160

kilotonnes



ENERGY EFFICIENCY
AGREEMENTS

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Motor Trades and Repairs in Finland & Responsible Use of Energy 2017-2024



9 Companies



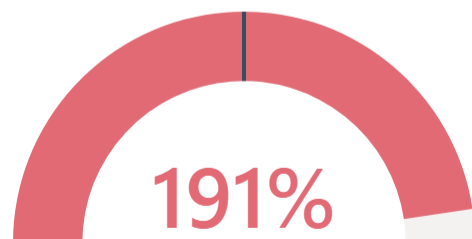
78 Sites

TARGET

The total annual energy saving target of companies at the end of 2025

9.1
GWh

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



155
measures



6
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

16
GWh



Cost savings

1.2
€ million



Reduction of CO₂-emissions

1.5
kilotonnes





Commerce Sector in Finland

& Responsible Use of Energy 2017-2024



23 Companies



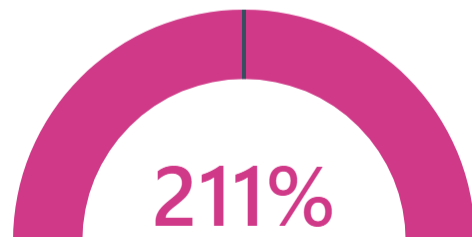
2,795 Sites

TARGET

The total annual energy saving target of companies at the end of 2025

195
GWh

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



6,405
measures



114
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

412
GWh



Cost savings

31
€ million



Reduction of CO₂-emissions

35
kilotonnes





Hotel & Restaurant Sector in Finland

& Responsible Use of Energy 2017-2024



37 Companies



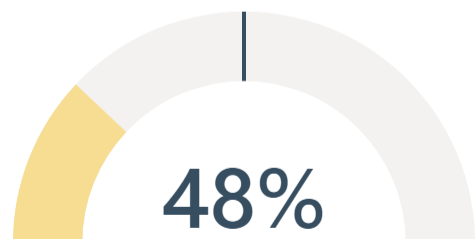
240 Sites

TARGET

The total annual energy saving target of companies at the end of 2025

43
GWh

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



187

measures



4.9

€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

21

GWh



Cost savings

1.4

€ million



Reduction of CO₂-emissions

2.5

kilotonnes





General Service Sector in Finland

& Responsible Use of Energy 2017-2024



26 Companies



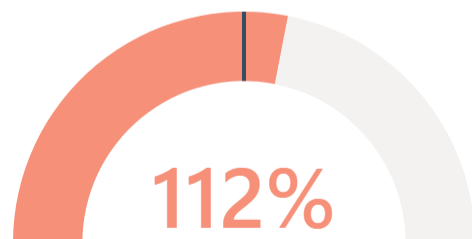
154 Sites

TARGET

The total annual energy saving target of companies by the end of 2025

24
GWh

Target reached by the end of 2024



112%

MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



271
measures



8.2
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

27
GWh



Cost savings

2.0
€ million



Reduction of CO₂-emissions

2.4
kilotonnes





Municipalities in Finland & Responsible Use of Energy 2017-2024



152 Municipalities



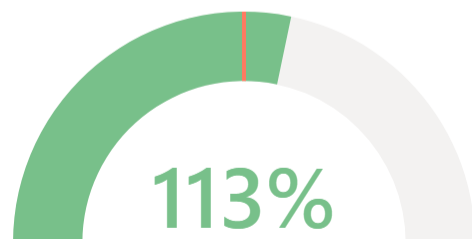
12 Joint
municipalities

TARGET

The total annual energy
saving target of municipalities
at the end of 2025

581
GWh

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



6,455
measures



145
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy
savings

618
GWh



Cost
savings

45
€ million



Reduction of
CO₂-emissions

63
kilotonnes





Commercial Properties in Finland & Responsible Use of Energy 2017-2024



161 Companies



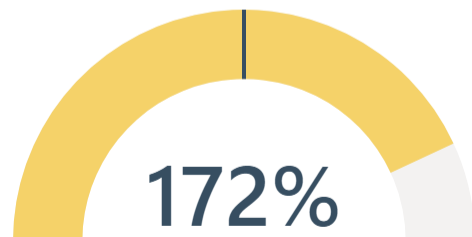
3,133 Sites

TARGET

The total annual energy
saving target of companies
at the end of 2025

368
GWh

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



8,063
measures



150
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



**Energy
savings**

606
GWh



**Cost
savings**

43
€ million



**Reduction of
CO₂-emissions**

64
kilotonnes





Housing Properties in Finland & Responsible Use of Energy 2017-2024



40 Companies



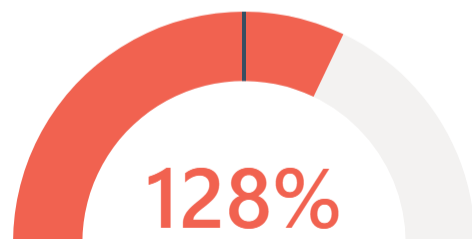
290 Sites

TARGET

The total annual energy saving target of companies at the end of 2025

244
GWh

Target reached by the end of 2024



MEASURES AND INVESTMENTS IMPLEMENTED IN 2017-2024



4,295
measures



62
€ million

ANNUAL RESULTS OF IMPLEMENTED MEASURES



Energy savings

308
GWh



Cost savings

21
€ million



Reduction of CO₂-emissions

38
kilotonnes

