

Electrify Italy



BASELINE 2015

20.8%
ELECTRIFICATION
share of electricity
in total final consumption

Possible electrification pathways
in Italy up to 2050 and related benefits

INDUSTRY
2015: 39%
2050: 42%

TRANSPORT
2015: 3%
2050: 41%

RESIDENTIAL
2015: 15%
2050: 53%

ELECTRIFICATION

Electrification will increase up
to almost half of final consumption

2015: 17%
2022: 19%
2030: 24%
2050: 46%

Share of electricity in total final energy
consumption of the three sectors studied

RENEWABLE PENETRATION

Renewable share in electricity supply
will overcome 85%

2022 2030 2050
48% 59% 85.6%

Share of total electricity supply produced
by renewable

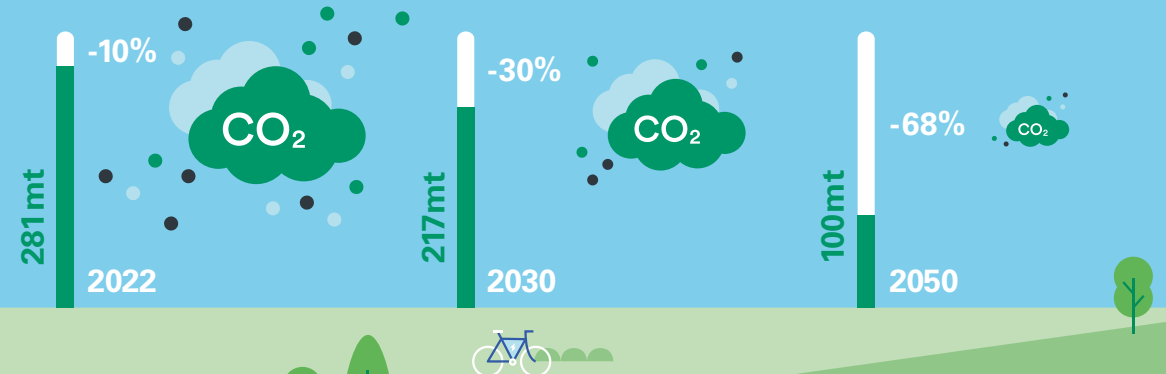
Research Partners



DECARBONIZATION

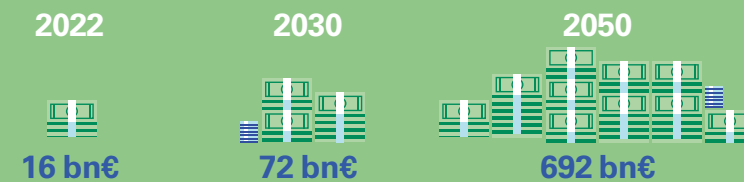
CO₂ emissions will be slashed by more than half

CO₂ emissions
% variation vs. 2015



PUBLIC HEALTH SAVINGS

Total costs saved due to better air quality reach 692 bn€

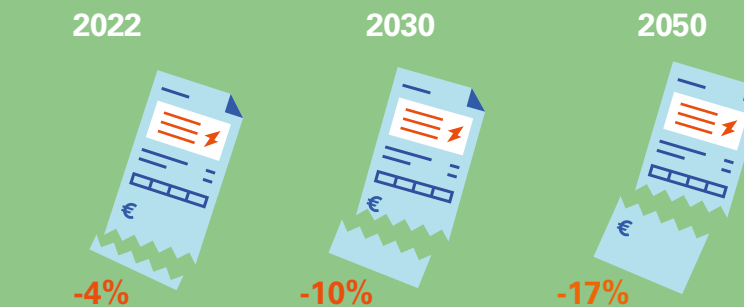


Cumulated savings due to reduction of healthcare expenditures,
recovery of productivity, avoidance of premature deaths (billion €)



AFFORDABILITY FOR FAMILIES

Weight of energy bill for families will be reduced by 17%

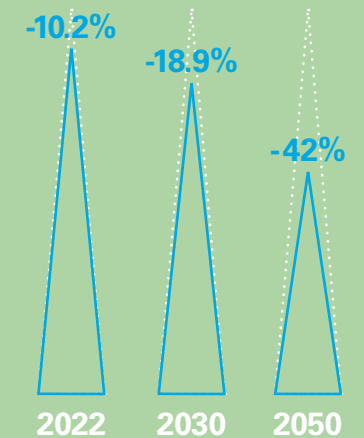


Household energy expenditures over the income
(% reduction due to electrification only)



ENERGY EFFICIENCY

Primary energy
consumption will
steadily decrease



Primary energy
consumption %
variation vs. 2015