



Generadoras de Chile



Carbon neutrality in the context of SDG 7

An electric and renewable future for more sustainable and equitable Chile

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SDG 7 has three equally important dimensions that should be addressed simultaneously

7 Affordable and clean energy



Global emissions
Climate Change

Local emissions
Air Pollution

Equitable access to quality energy
Energy Poverty

Air pollution is Chile's biggest local environmental hazard

86% of fine
particulate matter comes
from the burning of non
sustainable wood

causing **+4.000**

Nearly **50%** of
the population is exposed
to pollution levels over
the national air quality
standard

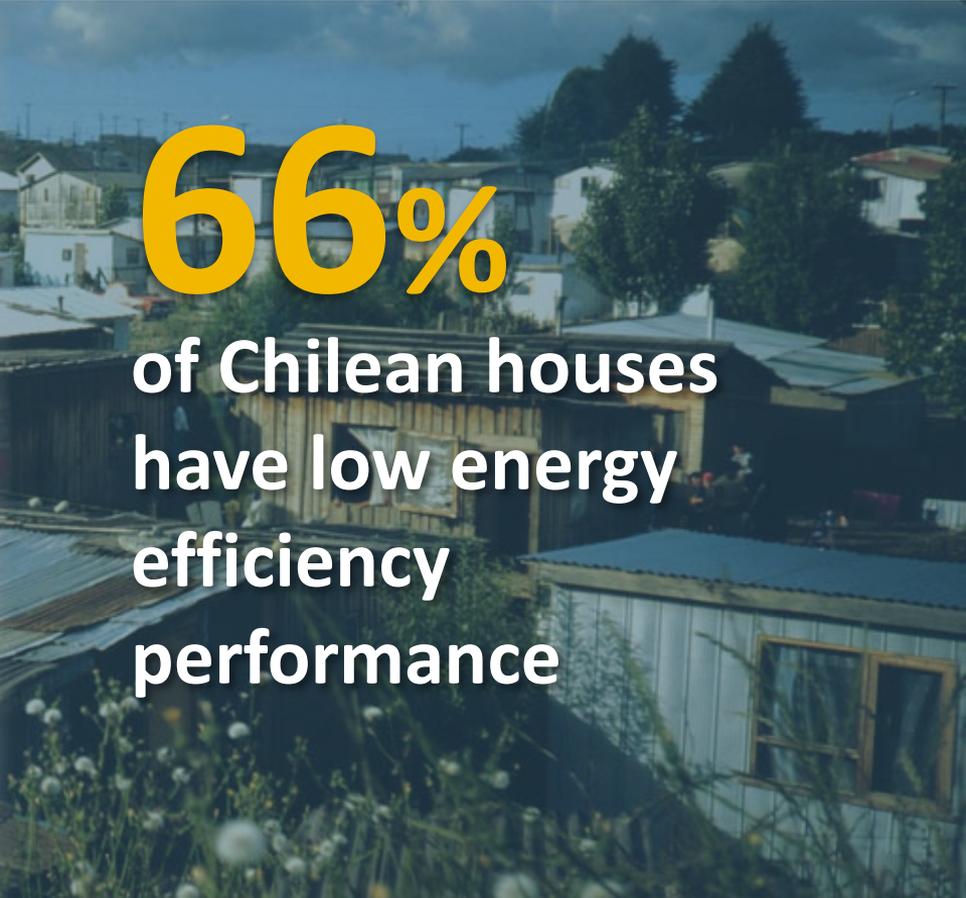
premature deaths per year

Energy poverty is mainly related to poor heating and bad housing insulation



34%

of urban households
do not have equitable
access to quality
energy services



66%

of Chilean houses
have low energy
efficiency
performance

Chile is a country rich in renewable energy resources

In 2018, 45% of electricity was produced already by renewables



30% of electricity could come from solar by 2030, becoming Chile's source of electricity.

#1

We have agreed on a phase out of coal

1.3

GW

out of 5 GW will shut down in the next 5 years. Operation of coal will cease by 2040, at the latest.





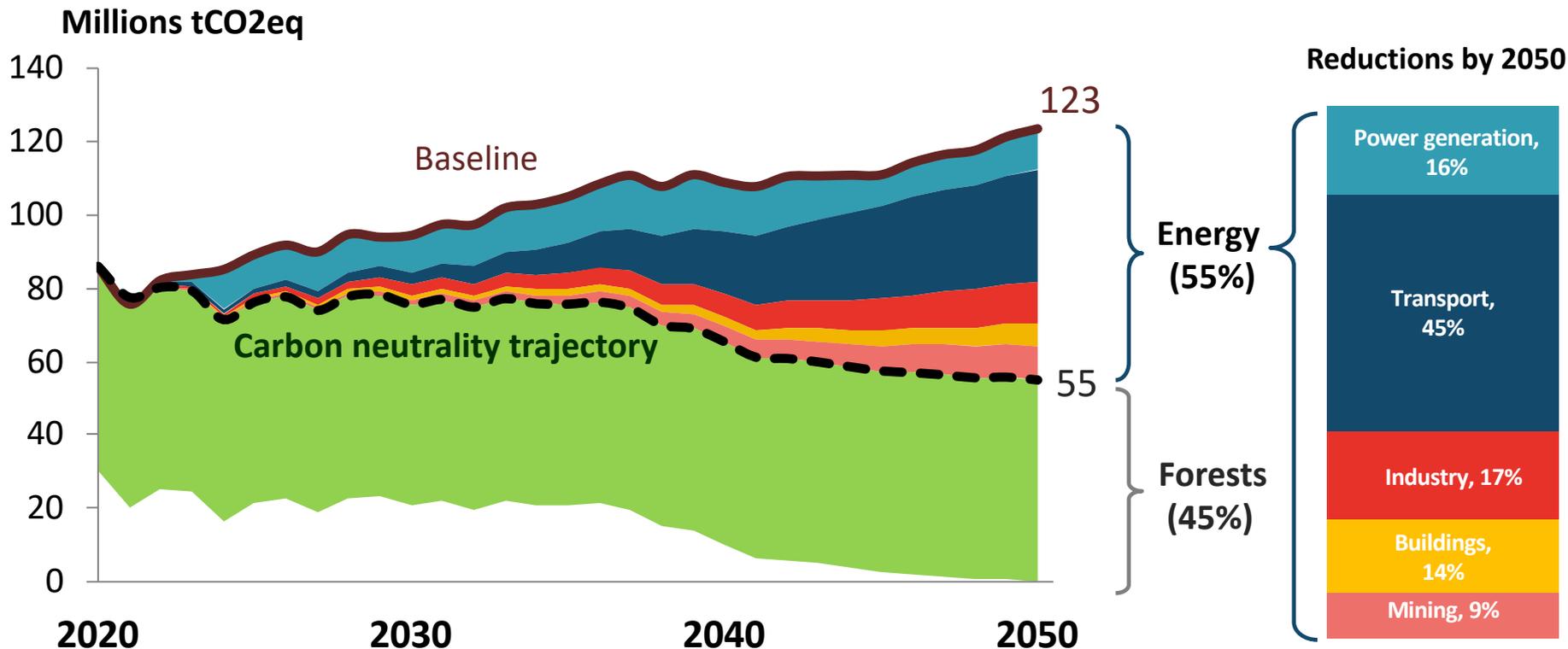
85%

of electricity could
be renewable by

2030

Chile has committed to carbon neutrality 2050

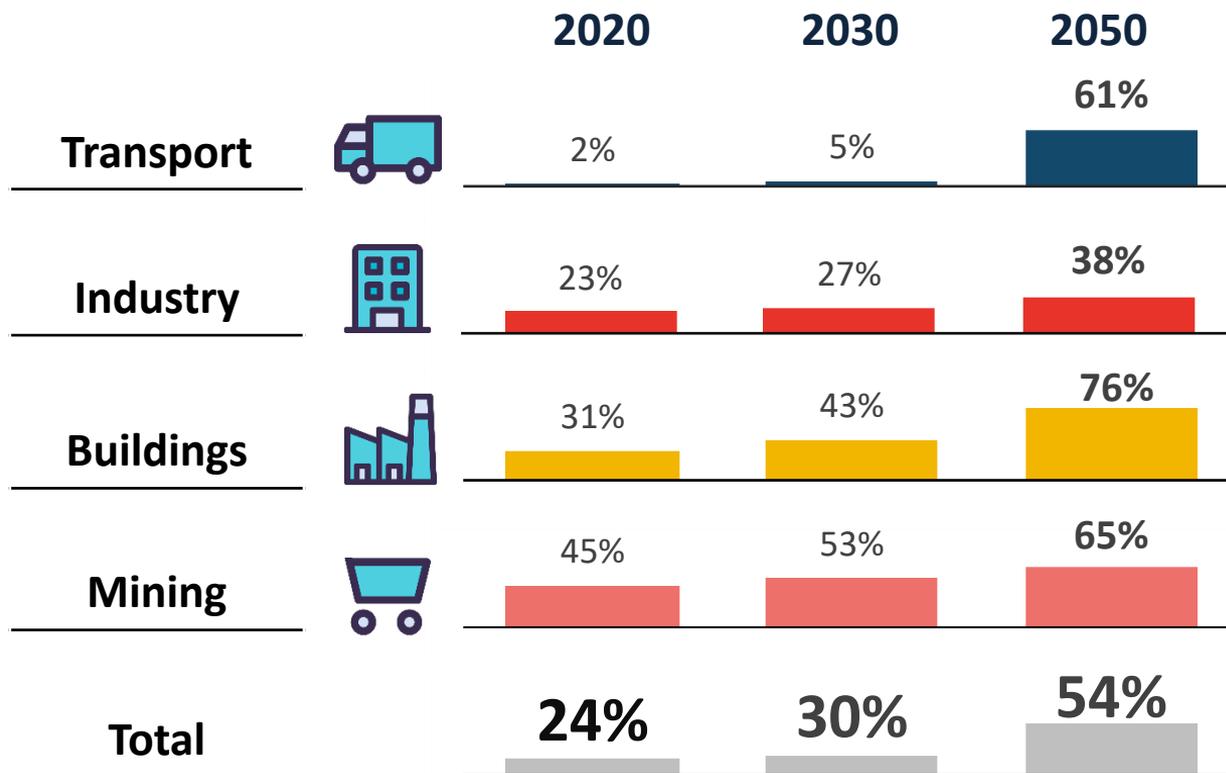
It will require multiple initiatives in energy and on sustaining our forest capture capacity



Source: Trajectories of the Energy Sector to Carbon Neutrality (Chilean Association of Power Generators, 2019)

Carbon neutrality will require to more than double the electrification rate

Electric mobility and buildings with heat-pumps will push the electrification increase



Electric mobility, better housing insulation and reducing the use of non sustainable firewood for heating has relevant health benefits

3.000

premature deaths
avoided per year
(a 75% reduction)

90%

reduction of fine
particulate matter
(MP2.5) by 2050

10.000

cases of respiratory
diseases in children
avoided per year

When including air quality, the net
benefit per tonCO₂eq abated increases
(from -23 to -129 tonCO₂/USD)

5x



**Chile's path to carbon neutrality
impacts SDG7 by **dramatically
increasing social benefits**
through cleaner air and reduced
energy inequality**



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Thank you!

‘A SOLAR SAUDI ARABIA’

While Trump promotes coal, Chile and others are turning to cheap sun power