



# Republic of Chile's 2020 Green Bond Project Portfolio

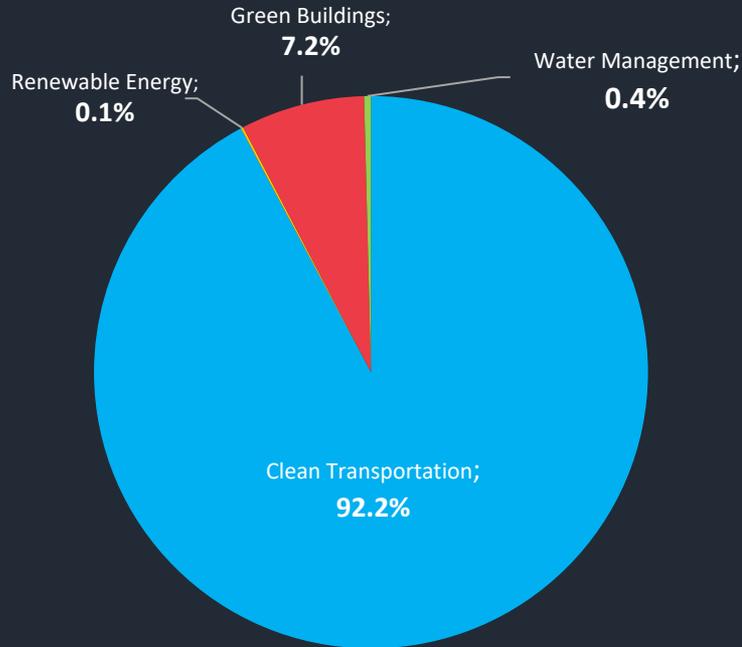
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Disclaimer: The information on estimated disbursements and the corresponding environmental impact published in this document is only referential and may change over time. Final information will be published in April of each year in the Green Bond Report at: <https://www.hacienda.cl/english/public-debt-office/green-bonds.html>. As stated in the Framework, "the first report will be published in the following year after the issuance" (pg. 13)



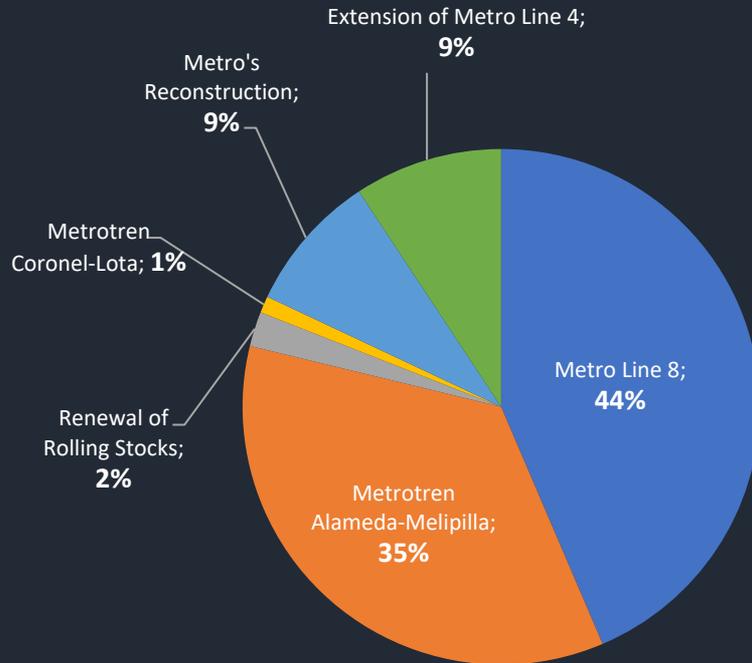
# Republic of Chile's 2019 Green Bond Project Portfolio



The 2019 Green Bond project portfolio totals US\$ 4.3 billion from the following sectors:

- **Clean Transportation:**
  - Metro's Line 3
  - Metro's Line 3 Extension
  - Metro's Line 2 Extension
  - Electromobility in RED
  - Renewal of Trains
- **Renewable Energy:**
  - Solar thermal energy panel on houses
  - Construction of Photovoltaic Systems
  - Technical Assistance for Photovoltaic Systems
- **Green Buildings:**
  - Design of Sustainable Public Buildings
- **Water Management:**
  - Analysis and Conservation of Water Resources

## Republic of Chile's 2020 Green Bond Project Portfolio



The 2020 Green Bond project portfolio totals US\$ 4.4 billion from the following sectors:

- **Clean Transportation:**

- Line 8 of Metro
- Extension of Metro Line 4
- Metro's Reconstruction
- Biotren Extension Coronel-Lota
- Metrotren Alameda-Melipilla
- Renewal of Rolling Stocks



# Line 8 of Metro – Clean Transportation

## Ministry of Transportation and Communications

This project considers the construction of ~19 km. of Metro's new Line 8 in Santiago by 2027, connecting the city from East to West, benefiting around 1.6 million users. The new line will cover new areas of the city, while also decongesting existing lines, thereby providing incentives for the use of clean of public transportation.

### Metro stations included in Line 8:



This project will **avoid annual emissions of Greenhouse gases** and air pollution generated by **Particulate Matter (PM 2.5)**

This project involves a disbursement of **US\$ 1.9 billion** Which represents around **44%** of the total Portfolio

For more information, visit: <https://www.metro.cl/minisitio/linea-3-y-6/futura-linea-8>



# Extension of Metro Line 4 – Clean Transportation

## Ministry of Transportation and Communications

This project considers the construction of an extension of ~4.2 km. of Metro’s Line 4 in Santiago, by 2028, adding 3 new stations in the Southeast part of the city and benefiting around 600 thousand users.

The new metro stations included in this extension will benefit the population of Bajos de Mena, a peripheral area of Santiago, and is expected to reduce the use of private transportation, as well as contribute to Santiago’s social integration.

The new stations are circled in red in the figure at the left:

This project will **avoid annual emissions of Greenhouse gases and air pollution generated by Particulate Matter (PM 2.5)**

This project involves a disbursement of **US\$ 404 million** Which represents around **9%** of the total Portfolio

For more information, visit: <https://www.metro.cl/minisitio/linea-3-y-6/extension-linea-4>



# Metro's Reconstruction – Clean Transportation

## Ministry of Transportation and Communications

Some metro stations, trains, and infrastructure experienced significant damage in the events that took place in October of 2019.

This project seeks to finance Metro's reconstruction, and includes expenditures in all metro lines, which will benefit users that have had to substitute subway services with other means of transport such as private vehicles or buses.

The expenditures of this project have already been presented by Metro to the House of Representatives



**METRO**  
**DE SANTIAGO**

This project will **avoid annual emissions of Greenhouse gases** and air pollution generated by **Particulate Matter (PM 2.5)**

This project involves a disbursement of **US\$ 380 million** Which represents around **9%** of the total Portfolio

For more information, visit: <https://www.camara.cl/pdf.aspx?prmID=186180&prmTIPO=DOCUMENTOCOMISION>

## Biotren Extension Coronel-Lota - Clean Transportation Ministry of Transportation and Communications

This project funds an extension of the fully-electrified suburban train between Coronel and Lota, in the South of Chile. This new extension will improve energy efficiency, quality of the service, and bring an alternative to private or other public transport means.

This project adds 3 stations (9 km extension) to the current network.

This project will **avoid annual emissions of Greenhouse gases and air pollution generated by Particulate Matter (PM 2.5)**

This project involves a disbursement of **US\$ 45 million** Which represents around **1.0%** of the total Portfolio

# Metrotren Alameda-Melipilla - Clean Transportation

Ministry of Transportation and Communications



This project funds a new route from Alameda to Melipilla, located in the Metropolitan Region. This new extension will improve energy efficiency, quality of the service, and bring an alternative to private or other public transport means.

This train is estimated to transport 31 million passengers per year



This project will avoid annual emissions of Greenhouse gases and air pollution generated by Particulate Matter (PM 2.5)

This project involves a disbursement of **US\$ 1.5 billion** Which represents around **35%** of the total Portfolio

# Renewal of Rolling Stocks - Clean Transportation

Ministry of Transportation and Communications

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This project includes the renewal of rolling stock for the wholly-electrified Santiago-Chillán operations. This renewal will improve energy efficiency and the quality of the service.

The metro-train to Chillán extends has 12 stations and extends by 398 kilometres

This project will **avoid annual emissions of Greenhouse gases and air pollution generated by Particulate Matter (PM 2.5)**

This project involves a disbursement of **US\$ 95 million** Which represents around **2.2%** of the total Portfolio

