ENERGY HUB FOR LATIN AMERICA AND THE CARIBBEAN

Access to the electricity service

Metadata for the database

March 2023

Energy Hub for Latin America and the Caribbean
https://hubenergia.org/en

Inter-American Development Bank
1300 New York Avenue, N.W.
Washington, D.C. 20577, USA

1 CONTACT

1.1 CONTACT ORGANIZATION

Energy HUB for Latin America and the Caribbean.

1.2 CONTACT ORGANIZATION UNIT

Inter-American Development Bank (INE/ENE). 1300 New York Avenue, N.W. Washington, D.C. 20577, USA.

1.3 CONTACT EMAIL ADDRESS

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2 METADATA UPDATE

2.1 METADATA LAST UPDATE

March 22, 2023.

3 POPULATION WITHOUT ACCESS TO ELECTRICAL SERVICE

3.1 INDICATOR

Population without access to electrical service.

3.2 LONG DEFINITION

This indicator presents the population without access to electrical services in Latin America and the Caribbean over the years.

3.3 SOURCE

Elaboration of the Energy Hub, with data from Olade SieLAC: https://sielac.olade.org/

Topic on OLADE: Energy access.

Olade Database: Population without access to electrical service.

3.4 UNIT OF MEASURE

10^3 inhab.

3.5 PERIODICITY

Annual. Data from 1970 to 2021.

3.6 GEOGRAPHIC COVERAGE

National and regional coverage.

Countries: Argentina, Barbados, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad & Tobago, Uruguay, Venezuela.

Regions: Andean zone, Caribbean, Central America, Latin America and Caribbean, South America, Southern Cone, Southern Cone without Brazil.

3.7 STATISTICAL CONCEPT AND METHODOLOGY

3.7.1 Population without access to electrical service - Total

The number of observation units that do not have electrical service in rural and urban areas.

3.7.2 Population without access to electrical service - Urban

The number of observation units that do not have electrical service in urban areas.

3.7.3 Population without access to electrical service - Rural

The number of observation units that do not have electrical service in rural areas.

For more information visit: https://www.olade.org/publicaciones/manual-estadistica-energetica-2017/

3.8 Limitations and exceptions

The data on the population without access to electricity service (total, urban, and rural) vary in availability depending on the year, country, and region.

3.9 General comments

The indicator population without electricity is used in the access to electricity service Energy Hub visualization.

3.10 Download source URL

https://sielac.olade.org/

3.11 Visualization and Dataset URL

https://hubenergia.org/index.php/en/indicators/access-electricity-service

4 Population with access to electrical service

4.1 Indicator

Population with access to electrical service.

4.2 Long definition

This indicator presents the population with access to electrical services in Latin America and the Caribbean over the years.

4.3 SOURCE

Elaboration of the Energy Hub, with data from Olade SieLAC: https://sielac.olade.org/

Topic on OLADE: Energy Access

Olade Database: Population with access to electrical service.

4.4 UNIT OF MEASURE

10^3 inhab.

4.5 PERIODICITY

Annual. Data from 1970 to 2021.

4.6 GEOGRAPHIC COVERAGE

National and regional coverage.

Countries: Argentina, Barbados, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad & Tobago, Uruguay, Venezuela.

Regions: Andean zone, Caribbean, Central America, Latin America and Caribbean, South America, Southern Cone, Southern Cone without Brazil.

4.7 STATISTICAL CONCEPT AND METHODOLOGY

4.7.1 Population with access to electrical service - Total

The number of observation units that have electrical service in rural and urban areas.

4.7.2 Population with access to electrical service - Urban

The number of observation units that have electrical service in urban areas.

4.7.3 Population with access to electrical service - Rural

The number of observation units that have electrical service in rural areas. For more information visit: https://www.olade.org/publicaciones/manual-estadistica-energetica-2017/

4.8 Limitations and exceptions

The data on the population with access to electricity service (total, urban, and rural) vary in availability depending on the year, country, and region.

4.9 General comments

The indicator population with electricity is used in the access to electricity service Energy Hub visualization.

4.10 Download source URL

https://sielac.olade.org/

4.11 Visualization and Dataset URL

https://hubenergia.org/index.php/en/indicators/access-electricity-service

5 Total electrification rate

5.1 Indicator

Total electrification rate.

5.2 Long definition

This indicator presents the percentage of the population with access to electricity service in the countries and regions of Latin America and the Caribbean over the years.

5.3 SOURCE

Elaboration of the Energy Hub, with data from Olade SieLAC: https://sielac.olade.org/

Topic on OLADE: Energy Access

Olade Database: Total electrification rate.

5.4 UNIT OF MEASURE

% of the population.

5.5 PERIODICITY

Annual. Data from 1970 to 2021.

5.6 GEOGRAPHIC COVERAGE

National and regional coverage.

Countries: Argentina, Barbados, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad & Tobago, Uruguay, Venezuela.

Regions: Andean zone, Caribbean, Central America, Latin America and Caribbean, South America, Southern Cone, Southern Cone without Brazil.

5.7 STATISTICAL CONCEPT AND METHODOLOGY

5.7.1 Electrification rate - Total

Percentage of the population that has electrical service in rural and urban areas.

5.7.2 Electrification rate - Urban

Percentage of the population that has electrical service in urban areas.

5.7.3 Electrification rate - Rural

Percentage of the population that has electrical service in rural areas.

For more information visit: https://www.olade.org/publicaciones/manual-estadistica-energetica-2017/

5.8 Limitations and exceptions

The data on the electrification rate (total, urban, and rural) vary in availability depending on the year, country, and region.

5.9 General comments

The indicator electrification rate is used in the access to electricity service Energy Hub visualization.

5.10 Download source URL

https://sielac.olade.org/

5.11 Visualization and Dataset URL

https://hubenergia.org/index.php/en/indicators/access-electricity-service

6 Households without electricity

6.1 Indicator

Households without electricity.

6.2 Long definition

This indicator presents an estimate of the number of homes without access to electricity service in the countries and regions of Latin America and the Caribbean over the years.

6.3 SOURCE

Elaboration of the Energy Hub, with data from Olade SieLAC: https://sielac.olade.org/ and CEPAL: https://statistics.cepal.org/portal/cepalstat/dashboard.html?theme=1&lang=en

Olade Database: Population without access to electrical service.

CEPAL Database: Average size of households, by income quintiles per capita, by geographical area.

6.4 UNIT OF MEASURE

Total of households.

6.5 PERIODICITY

Annual. Data from 2000 to 2021.

6.6 GEOGRAPHIC COVERAGE

National and regional coverage.

Countries: Argentina, Barbados, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad & Tobago, Uruguay, Venezuela.

Regions: Andean zone, Caribbean, Central America, Latin America and Caribbean, South America, Southern Cone, Southern Cone without Brazil.

6.7 STATISTICAL CONCEPT AND METHODOLOGY

6.7.1 Households without electricity-Total

Number of households without access to electrical service in rural and urban areas.

6.7.1.1 Calculation

For the estimation, the indicator population without access to total electricity service and the average number of people per household in Latin America were used.

$$\text{Households without electricity (Total)} = \frac{\text{Population without access to electrical service (Total)}}{\text{Average number of people per household in Latin America}}$$

6.7.2 Households without electricity- Urban

Number of households without access to electrical service in urban areas.

6.7.2.1 Calculation

For the estimation, the indicator population without access to urban electricity service and the average number of people per household in Latin America were used.

$$\text{Households without electricity (Urban)} = \frac{\text{Population without access to electrical service (Urban)}}{\text{Average number of people per household in Latin America}}$$

6.7.3 Households without electricity - Rural

Number of households without access to electrical service in rural areas.

6.7.3.1 Calculation

For the estimation, the indicator population without access to rural electricity service and the average number of people per household in Latin America were used.

$$Households\ without\ electricity(Rural) = \frac{Population\ without\ access\ to\ electrical\ service\ (Rural)}{Average\ number\ of\ people\ per\ household\ in\ Latin\ America}$$

6.8 LIMITATIONS AND EXCEPTIONS

Data for households without electricity (total, urban, and rural) vary in availability across years, countries, and regions.

The number of homes without electricity is estimated by the energy HUB, so they should not be taken as official statistics. For the information on persons per household, the average number of persons per household in Latin America was used for all countries and regions.

6.9 General comments

The indicator households without electricity are used in the access to electricity service Energy Hub visualization.

6.10 Download source URL

https://sielac.olade.org/

6.11 Visualization and Dataset URL

https://hubenergia.org/index.php/en/indicators/access-electricity-service