

**7** AFFORDABLE AND  
CLEAN ENERGY



**9th**

**INTERNATIONAL  
FORUM ON ENERGY  
FOR SUSTAINABLE  
DEVELOPMENT**

**KIEV, 12-13 NOVEMBER 2018**



## TARGETS

## FOLLOW-UP INDICATORS

- Ensure availability, quality and access to energy
- Further access to clean fuels for cooking and heating
- Increase of renewable energy deployment and energy efficiency (implementation of policies)

**7.1.** By-2030, guarantee universal access to affordable, reliable and modern energy services.

**7.2.** By 2030, considerably increase the renewable energy share among all the energy sources.

**7.3.** By 2030, double the global rate of improvement in energy efficiency.

**7.1.1.** Percentage of population with access to electricity.

**7.1.2.** Percentage of population with access to clean fuels for cooking.

**7.2.1.** Percentage of renewable energy in the total final energy consumption.

**7.3.1.** Energy Intensity measured in terms of primary energy and GDP.



## Goal 7.1

By 2010, ensure universal access to affordable, reliable and modern energy services.

### Indicator: 7.1.1

% of population with access to electricity

- **2010 Base Line:** 98.8%
- **2030 Final Target:** 99.5%  
(which implies a coverage of 99.6% in urban areas and 98.5 % in rural areas)

### Indicator: 7.1.2

% of population with access to clean fuels for cooking

- **2010 Base Line:** 97.2%
- **2030 Final Target:** 97.8%  
(which implies a coverage of 99% in urban areas and 80% in rural areas)

### Indicator: 7.2.1

% of renewable energy share in the total final energy consumption

- **2016 Base Line:**
  - % of renewable energy share in the total final energy consumption: 10.3%
- **2030 Final Target:**
  - % of renewable energy share in the total final energy consumption: 16.3%

### Indicator: 7.3.1

Energy Intensity measured in terms of primary energy and GDP.

- **2016 Base Line:** 0.120 Ktep/million of Argentine Pesos in 2004

**Energy Intensity Decrease: -1,4% y.o.y.**

- **2030 Final Target:** 0.098 Ktep/million of Argentine Pesos in 2004

## What are we doing to fulfill the targets?

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- 7.1**
- Increase of the electricity basic coverage in rural areas (PERMER II)
  - Households with Gas Cylinders Program (households)
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- 7.2**
- Law N° 27,191 (Renewable Energy Legal Framework)
  - RenovAR Program
  - Corporate PPAs Legal Framework
  - Law N° 27,424 (Distributed Generation)
  - Biofuels Blends
  - Hydro Power Generation
  - Bill on Solar Thermal Legal Framework
- 

Objetivo:  
Increase of renewable  
energy sources in the  
energy mix

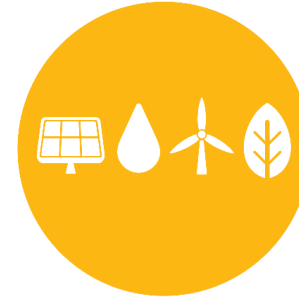
- 7.3**
- Labelling of electronic devices, households and transportation
  - Street lighting replacement
  - Energy Efficiency Projects in Thermal Power Plants
  - Production Sector: Energy Efficiency Argentine Fund (FAEE), Energy Management System (SGE), collaboration with Mexico and Germany, New Energy Buenos Aires Program
  - Communication and Education Policies for the responsible use of energy
-

## Summary:

How to develop these opportunities



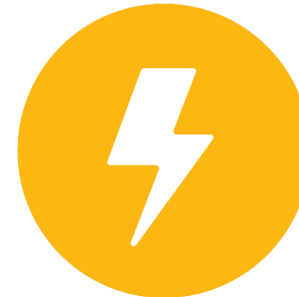
- IMPROVEMENT IN THE QUALITY TO ACCESS TO ENERGY SUPPLY
- ENSURE ENERGY SUPPLY TO CONTRIBUTE TO THE ECONOMIC GROWTH



- INCREASE OF RENEWABLE ENERGY SHARE IN THE ENERGY MIX
- DECREASE IN GENERATION COSTS



- CONSUMPTION INDEPENDENCE FROM THE COUNTRY'S ECONOMIC GROWTH
- EFFICIENT AND RESPONSIBLE USE OF ENERGY



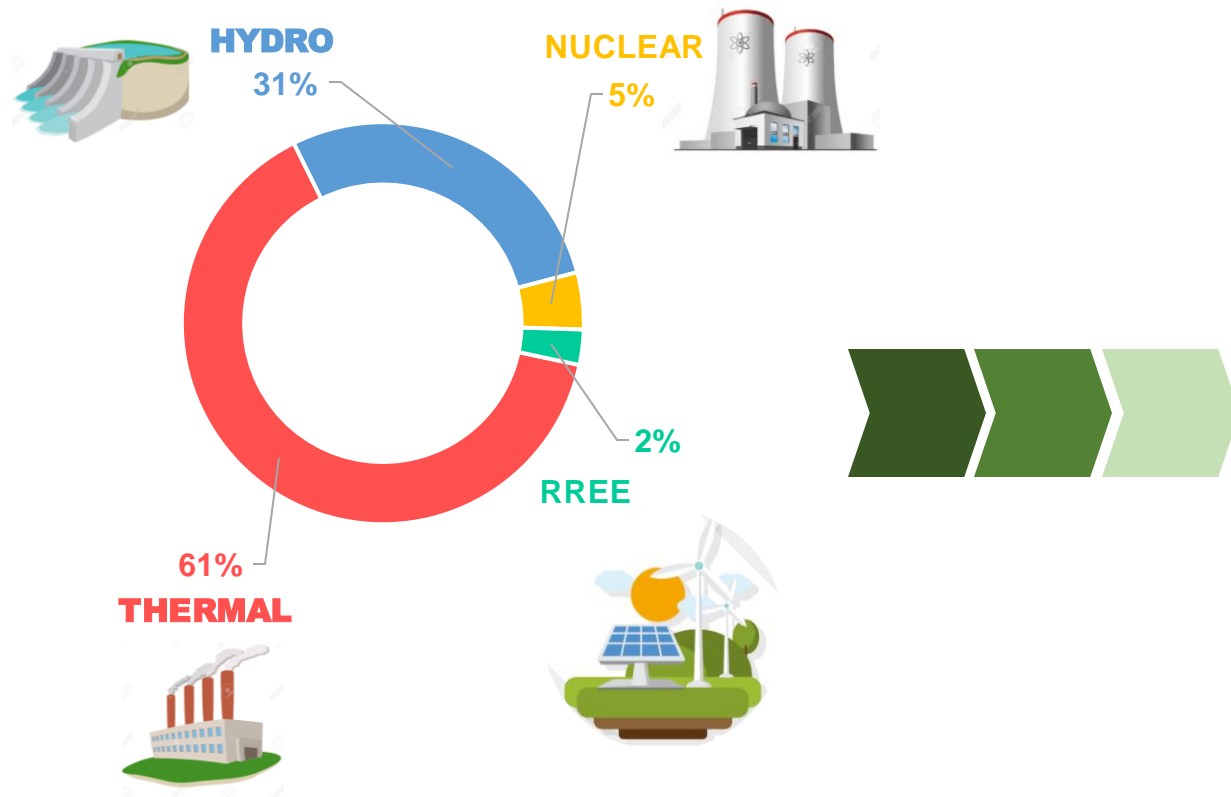
- 2030 ENERGY TARGET:
  - Avoided Emissions: 77 MtCO<sub>2</sub> eq
  - + Technology and Financing
  - Avoided Emissions: 101MtCO<sub>2</sub> eq



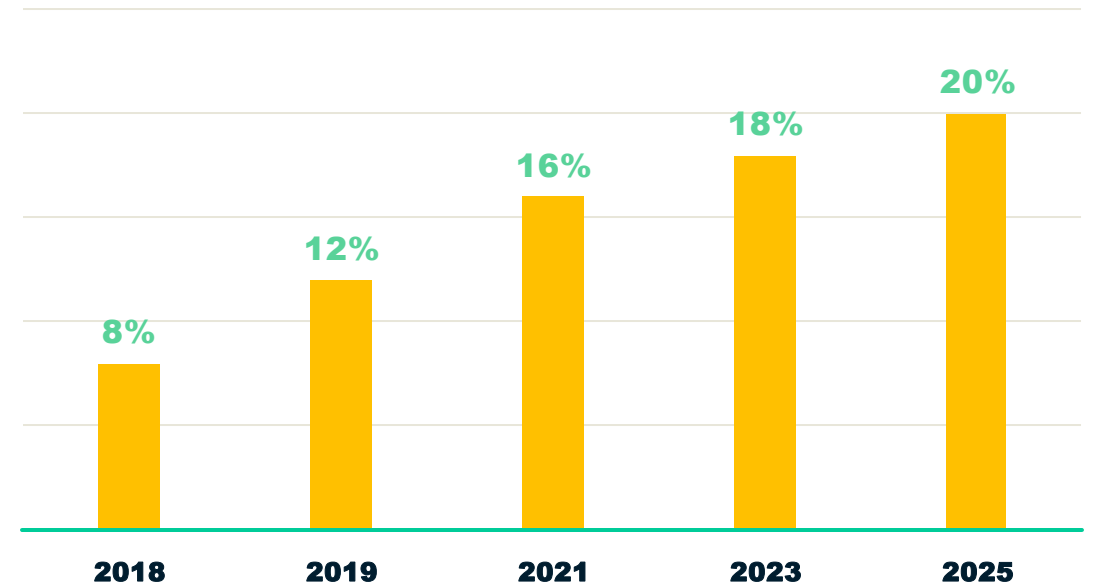
# EX ANTE ENERGY MIX AND REE MANDATORY TARGETS

MANDATORY TARGETS BY 2025 SET FORTH BY LAW 27191

## EX ANTE MIX (2016)

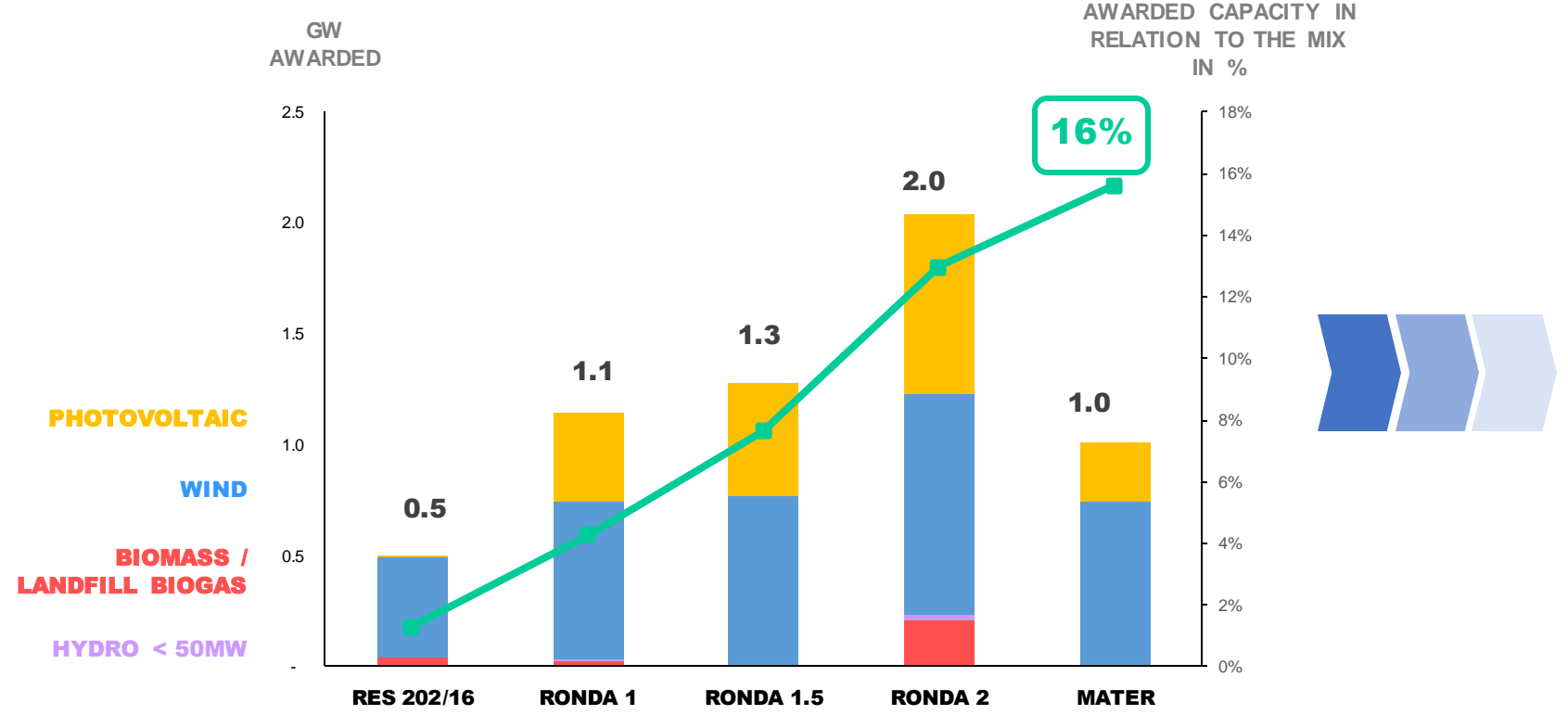


## RREE MANDATORY TARGETS



# RENOVAR & MATER<sup>(1)</sup> OUTCOMES

GW AWARDED



## OUTCOMES

- **6 GW** Awarded
- Mandatory Target by **2021**
- **16%** Energy Mix
- MtCO<sub>2</sub> eq to be avoided **10.9**

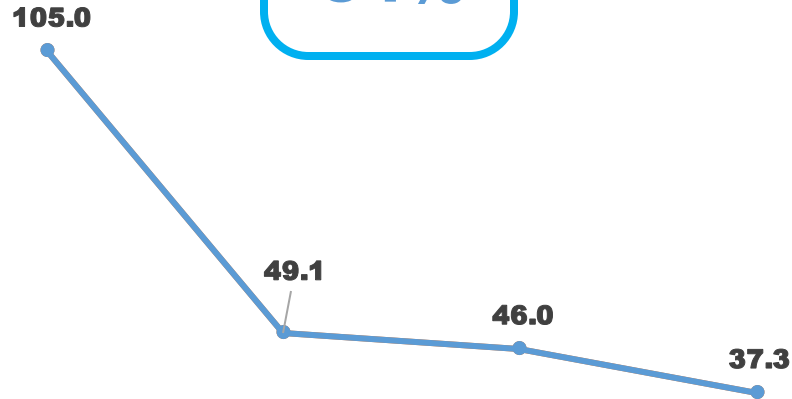
Note: (1) MATER, including projects with priority of dispatch

# PRICES – EX ANTE AND EX POST RENOVAR / MATER STATUS

PRICES IN USD/MW

## WIND

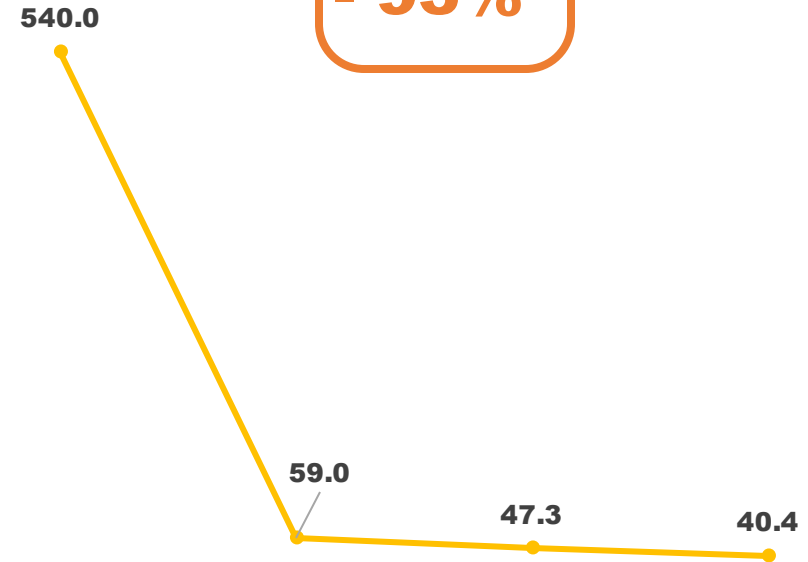
**- 64%**



EX ANTE 2011      RONDA 1 3Q-16      RONDA 1.5 4Q-16      RONDA 2 4T-17

## PHOTOVOLTAIC

**- 93%**

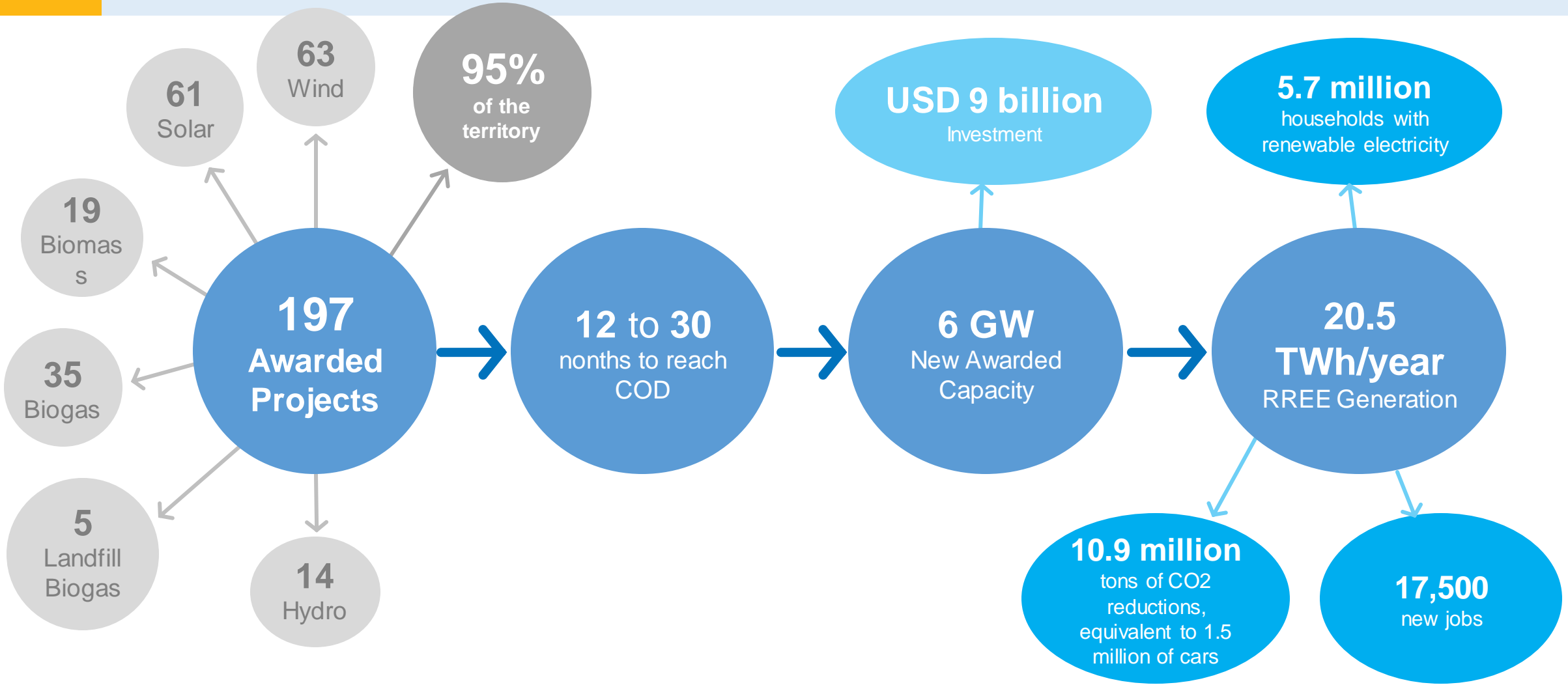


EX ANTE 2011      RONDA 1 3Q-16      RONDA 1.5 4Q-16      RONDA 2 4Q-17



# RREE LEGAL FRAMEWORK

OUTCOMES AS AT 2018



# THANK YOU

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