

RENEWABLE ENERGY IN ARGENTINA

RenovAr and MaTer Programs

July 2019



RENEWABLE ENERGY IN ARGENTINA

NATIONAL LEGAL FRAMEWORK FOR RENEWABLE ELECTRICITY





New Utility-Scale RE Framework

Law N° 27,191

Mandatory Targets

8% @ 2017-18
16% @ 2021
20% @ 2025

Resource Diversification

Geographical and Technological

Fiscal Incentives

Applicable to IPPs and Local
Manufacturers

FODER

Public Trust Fund for
Guarantees
and Financing

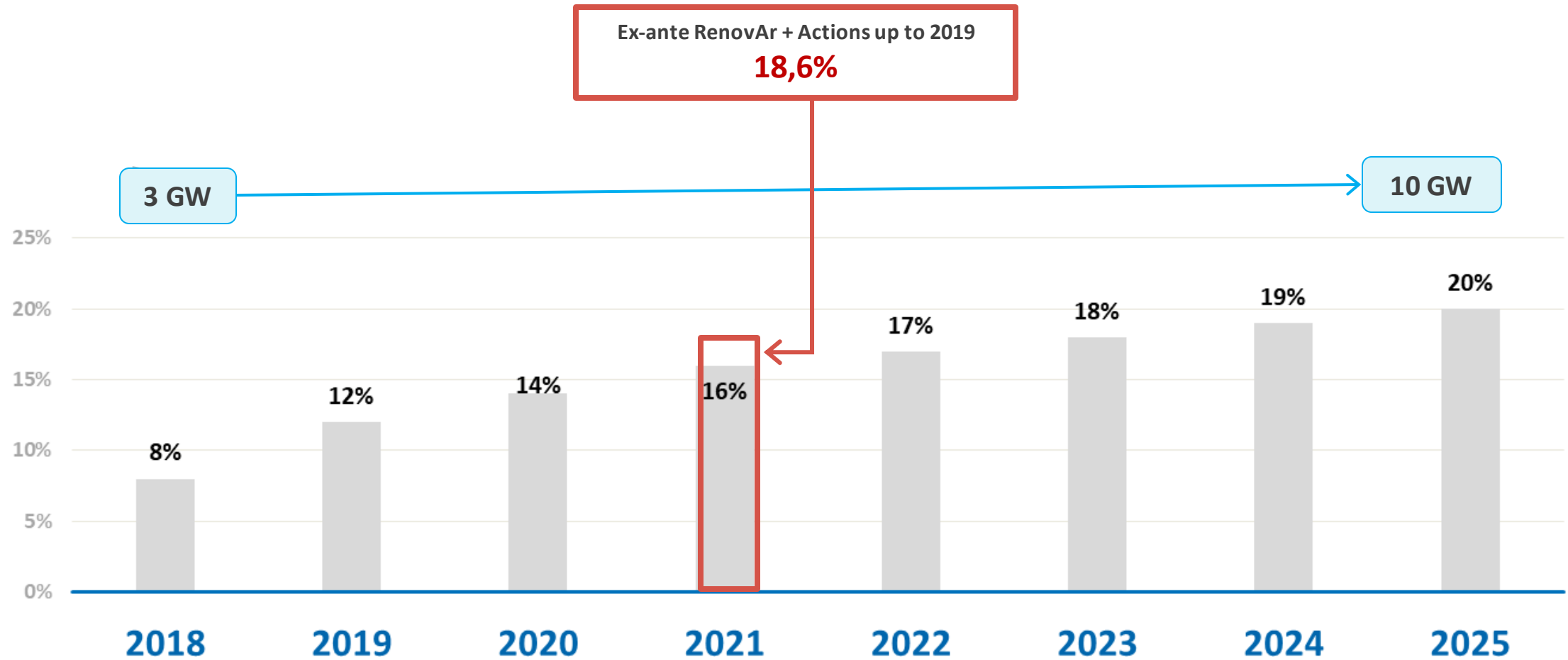
RENEWABLE ENERGY NATIONAL TARGETS 2018 - 2025

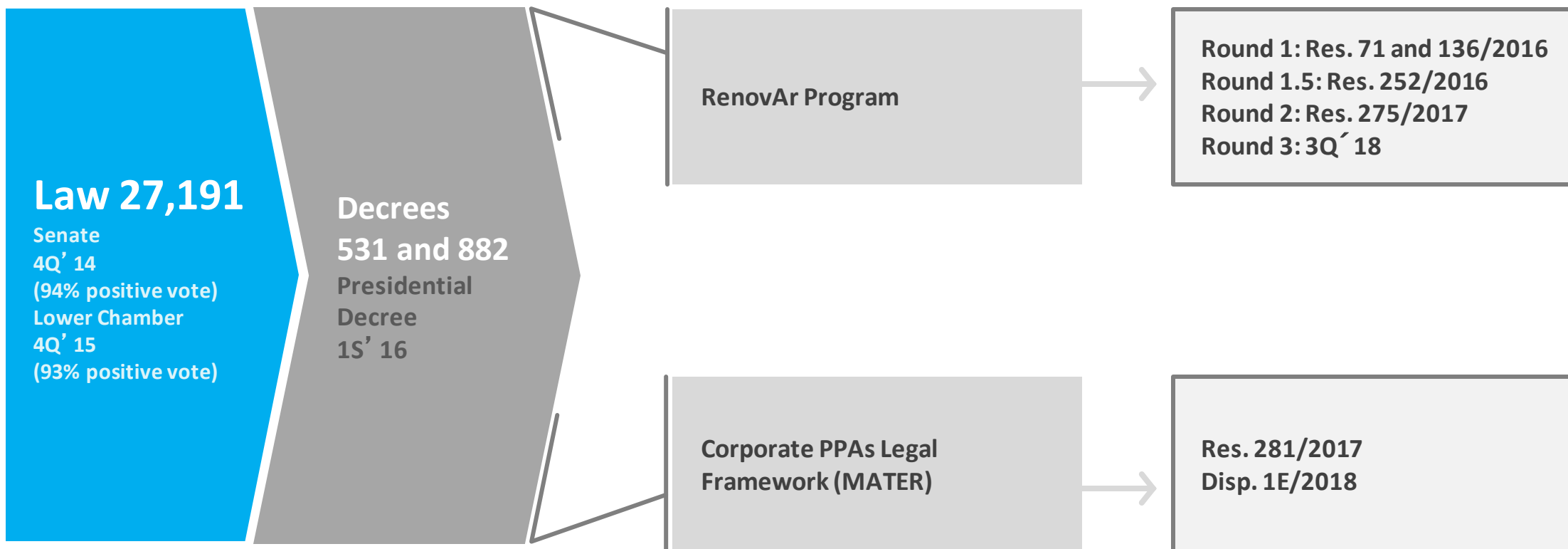
Secretariat
of Energy



Ministry of Treasury
Argentine Republic

Undersecretariat for Renewable Energy and Energy Efficiency





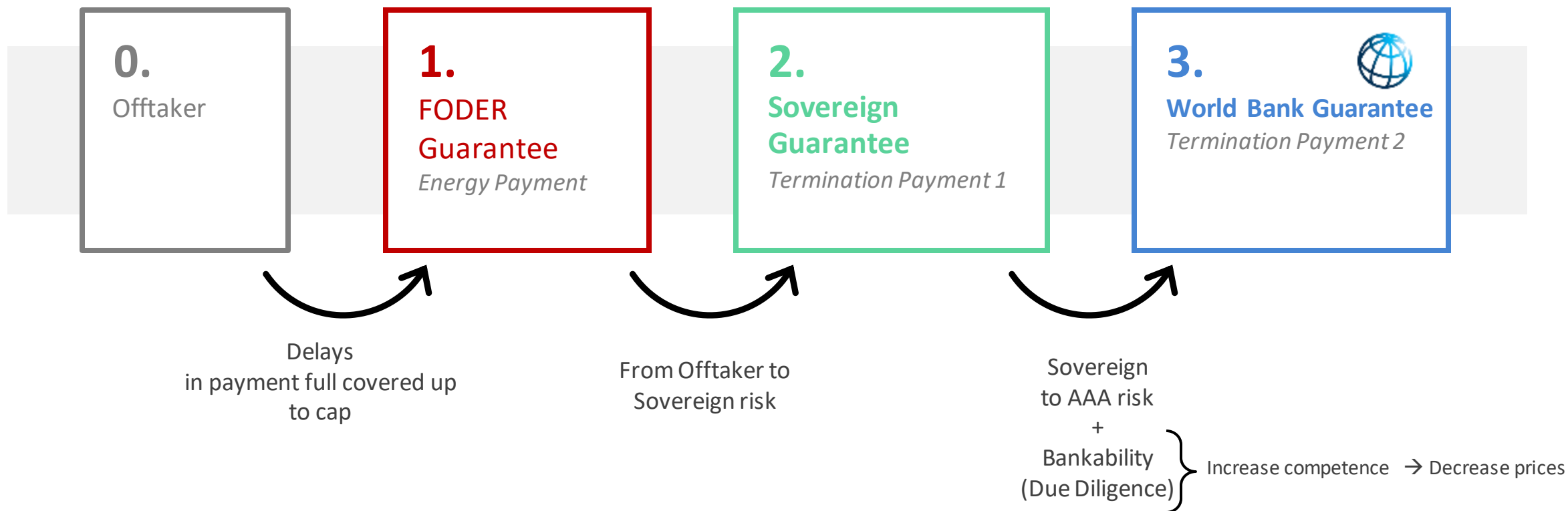


CONTRACTS

1.
PPA
Power Purchase
Agreement
Energy Sales

2.
FODER
Trust Adhesion
Agreement
*Energy Payment and Early Termination
Guarantees*

RISK COVERAGE WATERFALL FOR WORST-CASE SCENARIOS

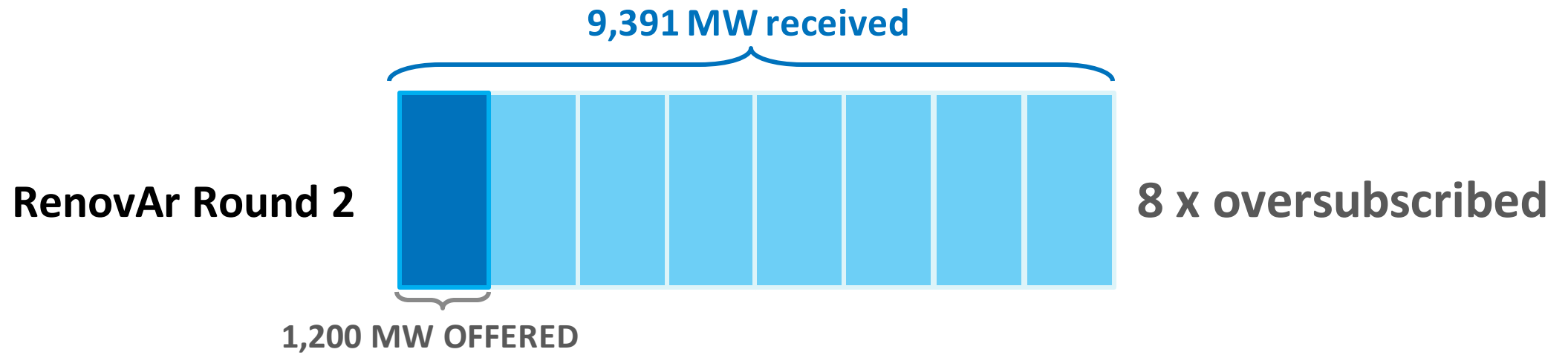
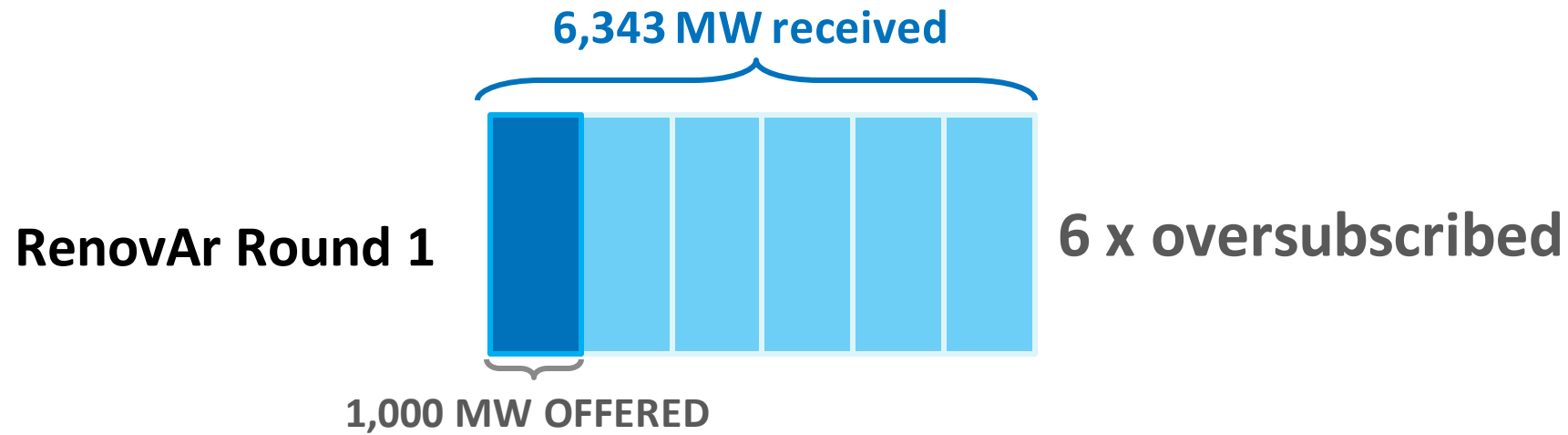


RENEWABLE ENERGY IN ARGENTINA

RENOVAR & MATER RESULTS



OFFERED CAPACITY VS. RECEIVED CAPACITY



ROUND 1 / 1.5 / 2 & RES. 202 / MATER

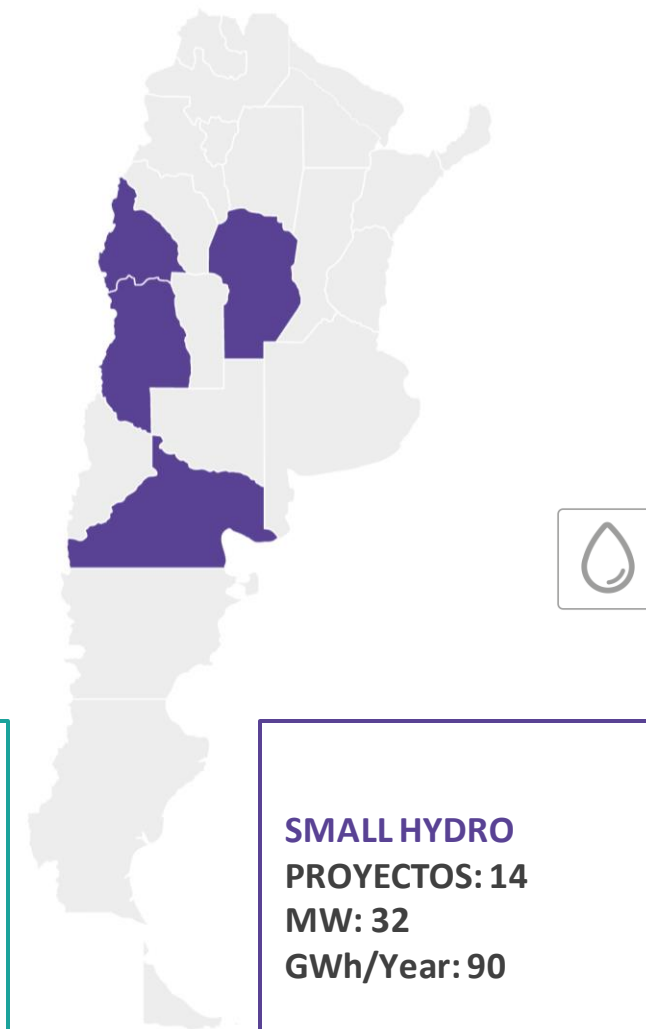
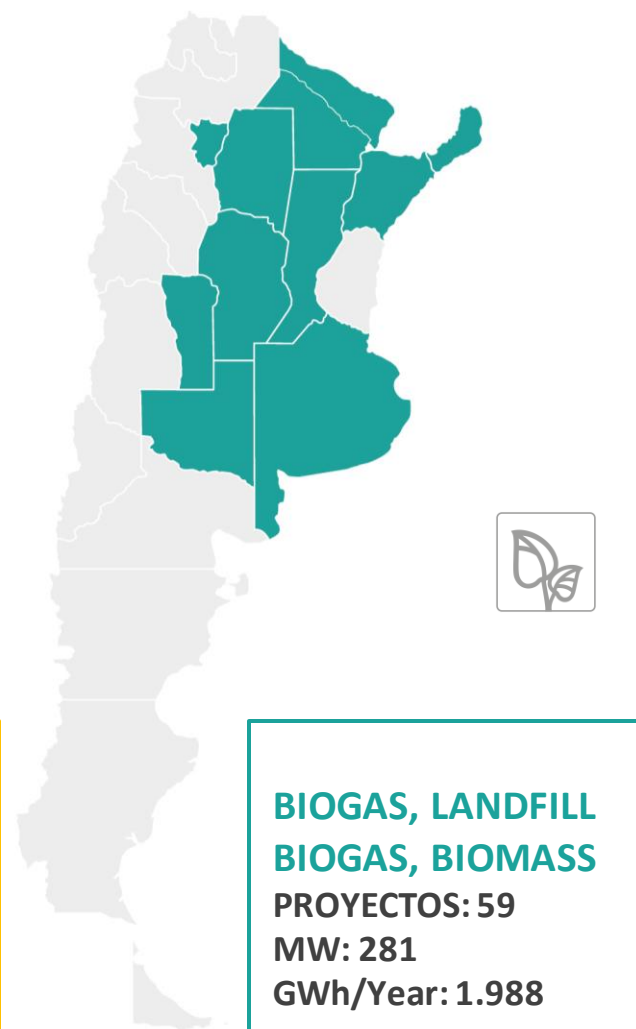
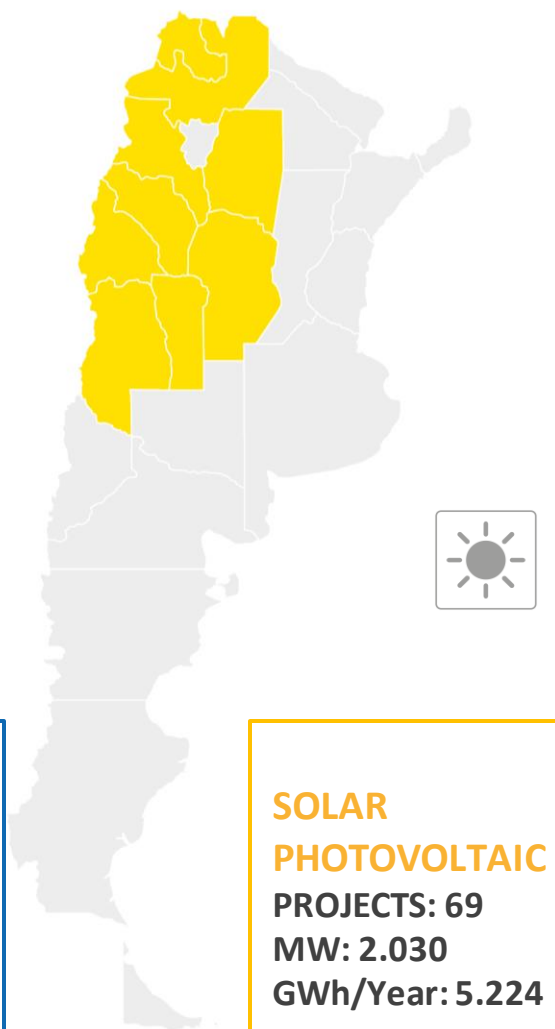
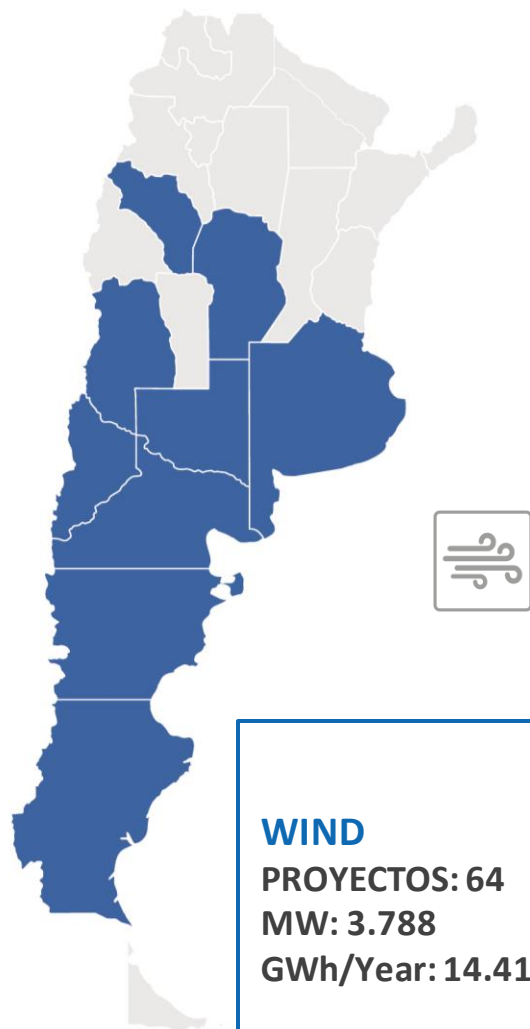
206 AWARDED PROJECTS: 6.131 MW & 21.716 GWH/YEAR & 21 PROVINCES

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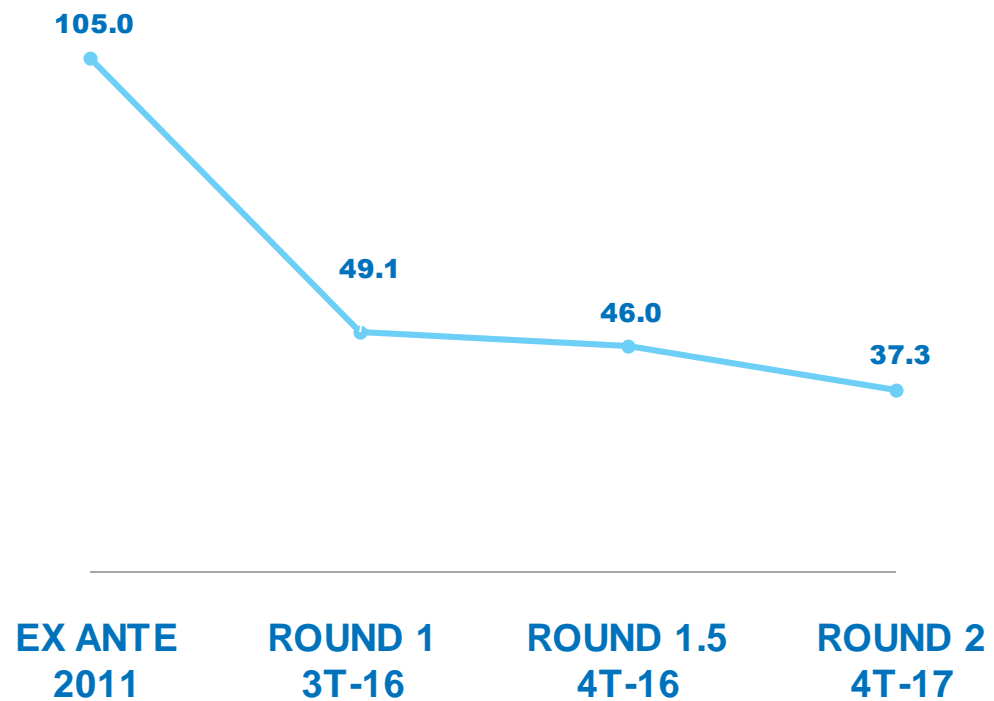
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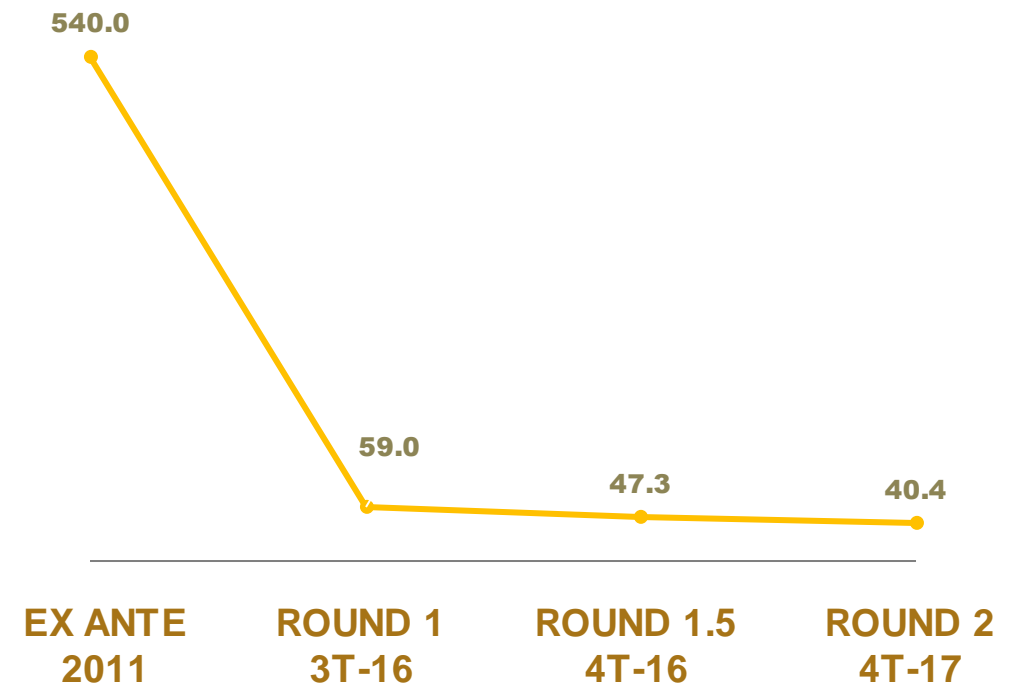
PRICES US\$/MWH – BEFORE AND AFTER RENOVAR & MATER



WIND - 64%



SOLAR PV - 93%





142 PROJECTS
in commercial operation and
under construction



7,229 MM USD
Total Investment



4,796 MW
in total

44
PROJECTS IN
COMMERCIAL
OPERATION



27 projects: Round 1, 1.5, 202
6 projects: Round 2
11 projects: MATER

1,326 MW

Estimated Investment

1,986 MM USD

98
PROJECTS
UNDER CONSTRUCTION



35 projects: Round 1, 1.5, 202, 108
41 projects: Round 2
22 projects: MATER

3,470 MW

Estimated Investment

5,243 MM USD

CURRENT JOBS: 9,087

CONSTRUCTION

8,698

Jobs



OPERATION & MAINTENANCE

389

Jobs



RENEWABLES - CAPITAL FLOW



7,229 MM us\$

Total Investments (55%D/45%E)

Mexico
13 MM us\$
(100% E)

SPAIN
14 MM us\$
(22% D/78% E)

ITALY
30 MM us\$
(100% E)

ENGLAND
21 MM us\$
(100% E)

FRANCE
353 MM us\$
(61% D/39% E)

CHINA
1,316 MM us\$
(49% D /51% E)

ARGENTINA
2,210 MM us\$
(33% D/67% E)

DENMARK
220 MM us\$
(100% D)

NORWAY
85 MM us\$
(100% E)

NETHERLANDS
132 MM us\$
(100% D)

MULTILATERAL
670 MM us\$
(100% D)
76% - IDB Invest
19% - IFC
5% - CAF

CANADA
63 MM us\$
(100% D)

URUGUAY
40 MM us\$
(100% E)

USA
1,325 MM us\$
(52% D /48% E)

GERMANY
520 MM us\$
(100% D)

JAPAN
53 MM us\$
(100% E)

BRAZIL
165 MM us\$
(100% D)



RenovAr - Round 3

**TO ADD CAPITAL FROM NON-TRADITIONAL
STAKEHOLDERS FOR RENEWABLE ENERGY
PROJECTS DEPLOYMENT**

**TO USE THE AVAILABLE CAPACITY IN THE MV
GRID AND TO PROMOTE REGIONAL
DEVELOPMENT**

ECONOMIC ADVANTAGE FOR THE SYSTEM
Energy loss savings in transport and distribution.
Forced generation displaced by alternative fuel (not gas).

ELECTRIC TECHNICAL ADVANTAGE
General quality improvement in weak lines.

**Development
of New Projects**

**Promotion of the
National Industry
Value Chain**

**Federal and
Multi-technological
Diversification**



Undersecretariat for Renewable Energy and Energy Efficiency

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189 Paseo Colón Avenue, Floor 9

Telephone Number (+54-11) 4349-8033/8186

privadarenovables@minem.gob.ar