



Ministerio de Energía y Minería
Presidencia de la Nación



ARGENTINA'S ENERGY VISION 2030

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G20 ETWG Vice Chair

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CONTENT



Ministerio de Energía y Minería
Presidencia de la Nación

- ✓ Our Ministry's Goals
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- ✓ Energy, Climate Change & SDG
- ✓ G20 Energy Transitions Working Group

OUR MINISTRY'S GOALS



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ENSURE ENERGY SUPPLY FOR A GROWING COUNTRY

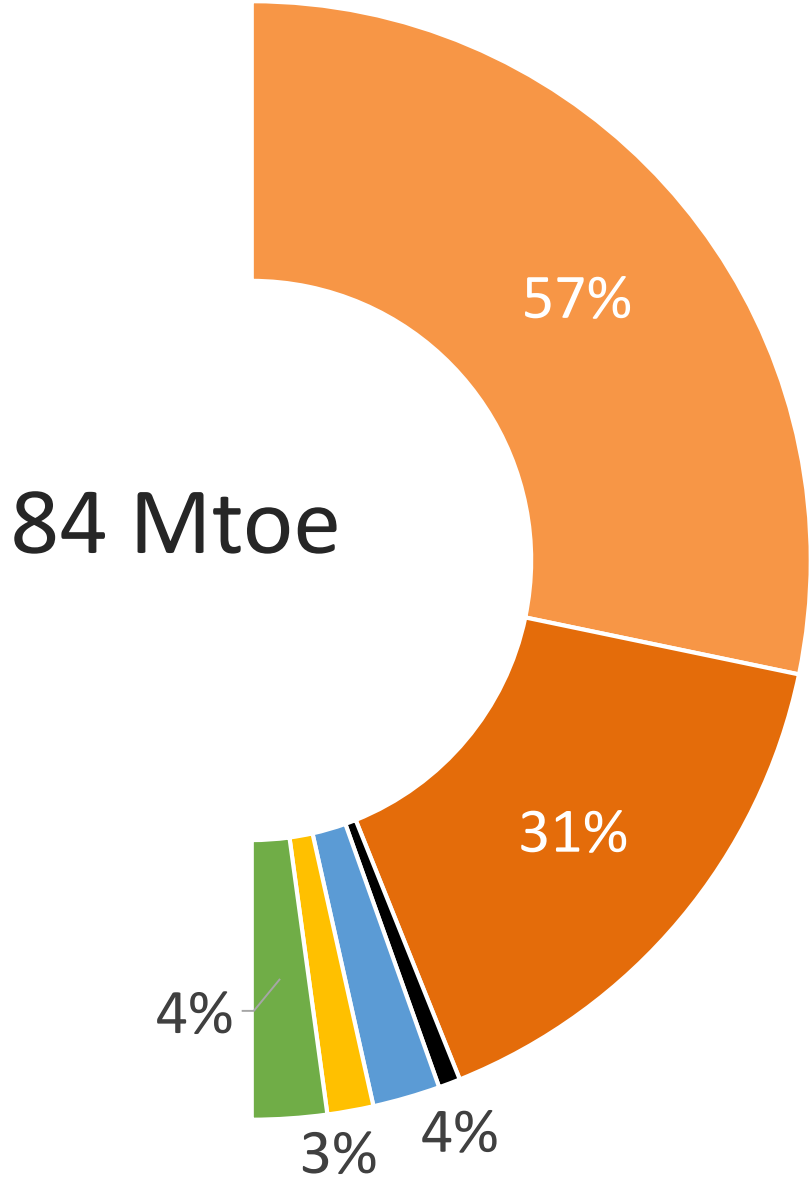
REDUCE THE IMPACT ON THE ENVIRONMENT

ARGENTINA ENERGY SCENARIOS @2030

Supply by Sources

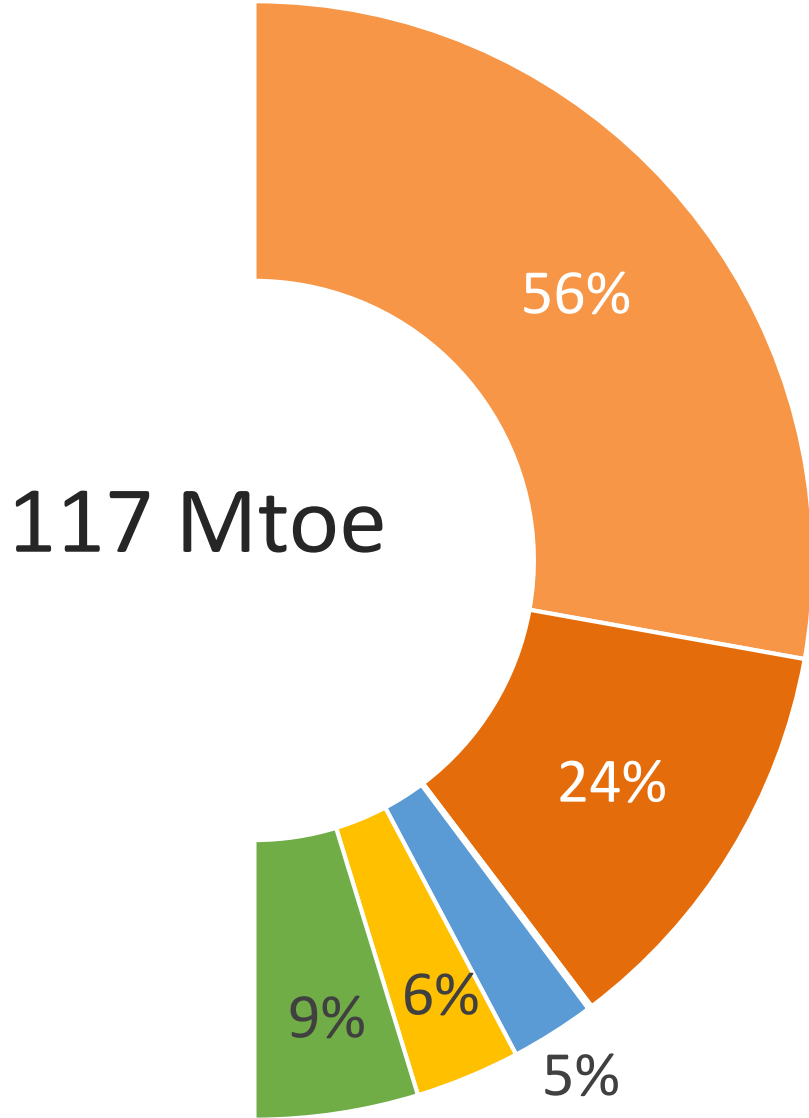


2016

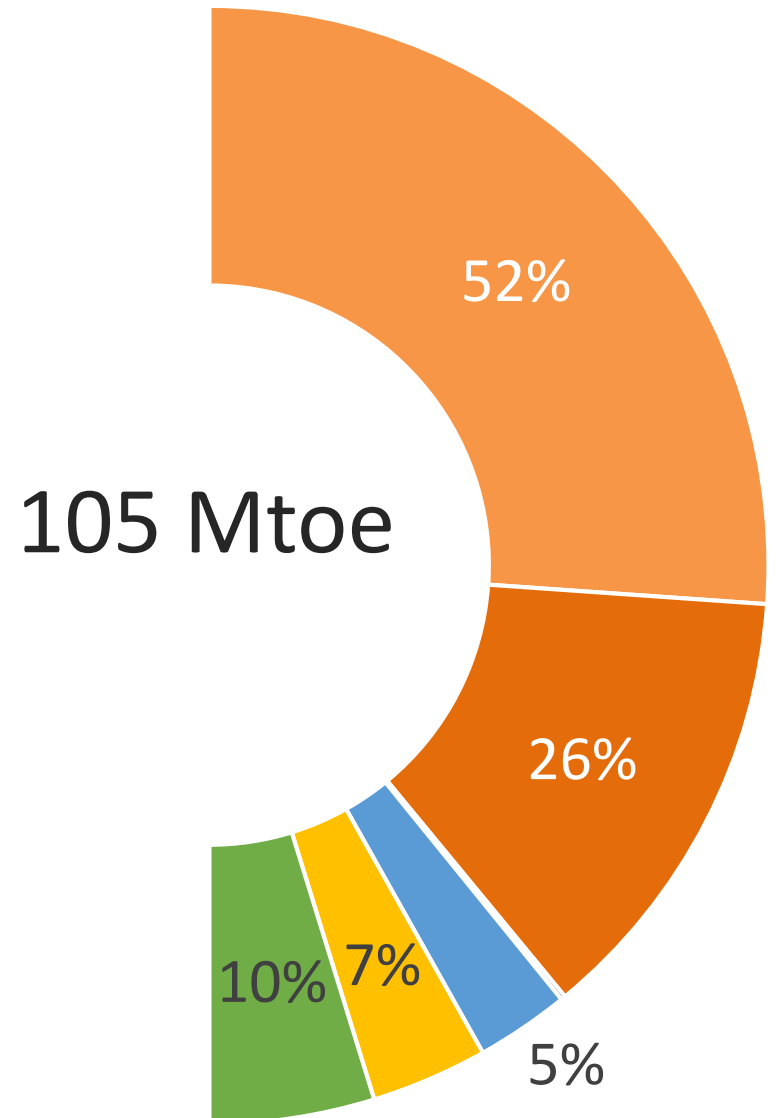


2030

Trend +Investment



Efficient +Investment

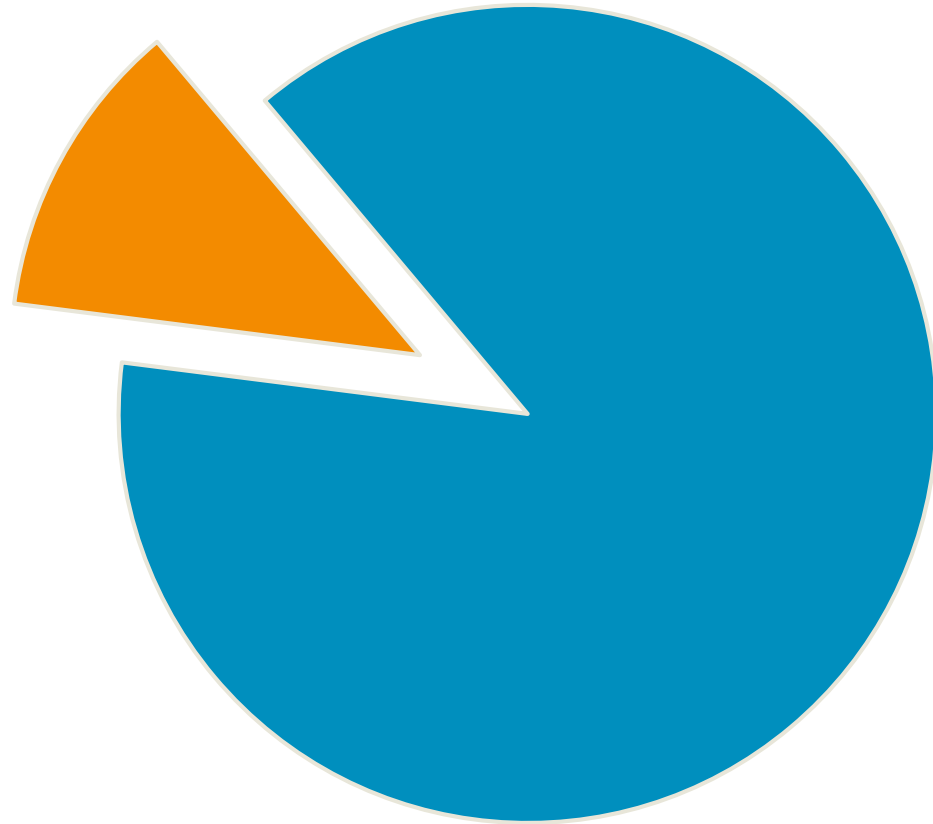


Significant increase of **renewable energy** in the energy mix. **Natural gas** holds its primary role.
Energy-efficient usage policies will save 12 Mtoe of the total internal energy supply.

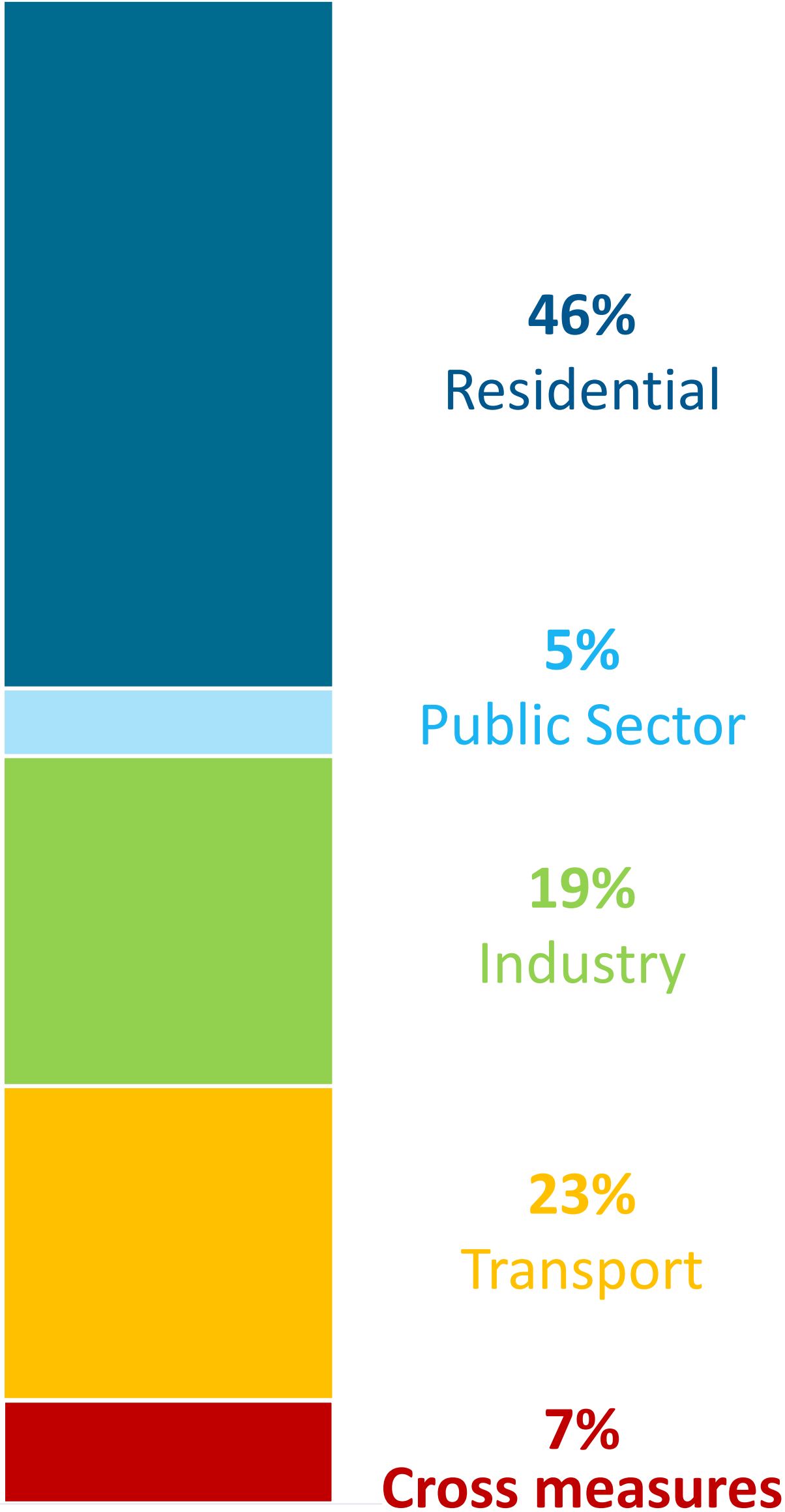
ARGENTINA ENERGY SCENARIOS @2030

Efficient Scenario

10,2%
ENERGY EFFICIENCY
(12 MTOE)



EFFECTIVE CONSUMPTION
(105 MTOE)



SAVINGS BY SECTOR

Appliances	63,9%
Domestic Lighting	30,3%
Buildidngs	5,8%
Street Lighting and EnMs in Public Buildings	
EnMs in indutry	65,3%
CHP	11,8%
Efficient Electric Motors	22,9%
Recovery of Railway sector	49,7%
Freight Transport	29,7%
Urban Transport	20,5%
Education and Awareness	

EDUCATION INITIATIVES



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+5.000
teachers &
teachers'
trainers

**LINEAMIENTOS
PARA LA MEJORA DE
LA ENSEÑANZA SOBRE
EFICIENCIA
ENERGÉTICA
EN CARRERAS
ESTRATÉGICAS DE
INGENIERÍA Y
ARQUITECTUR**



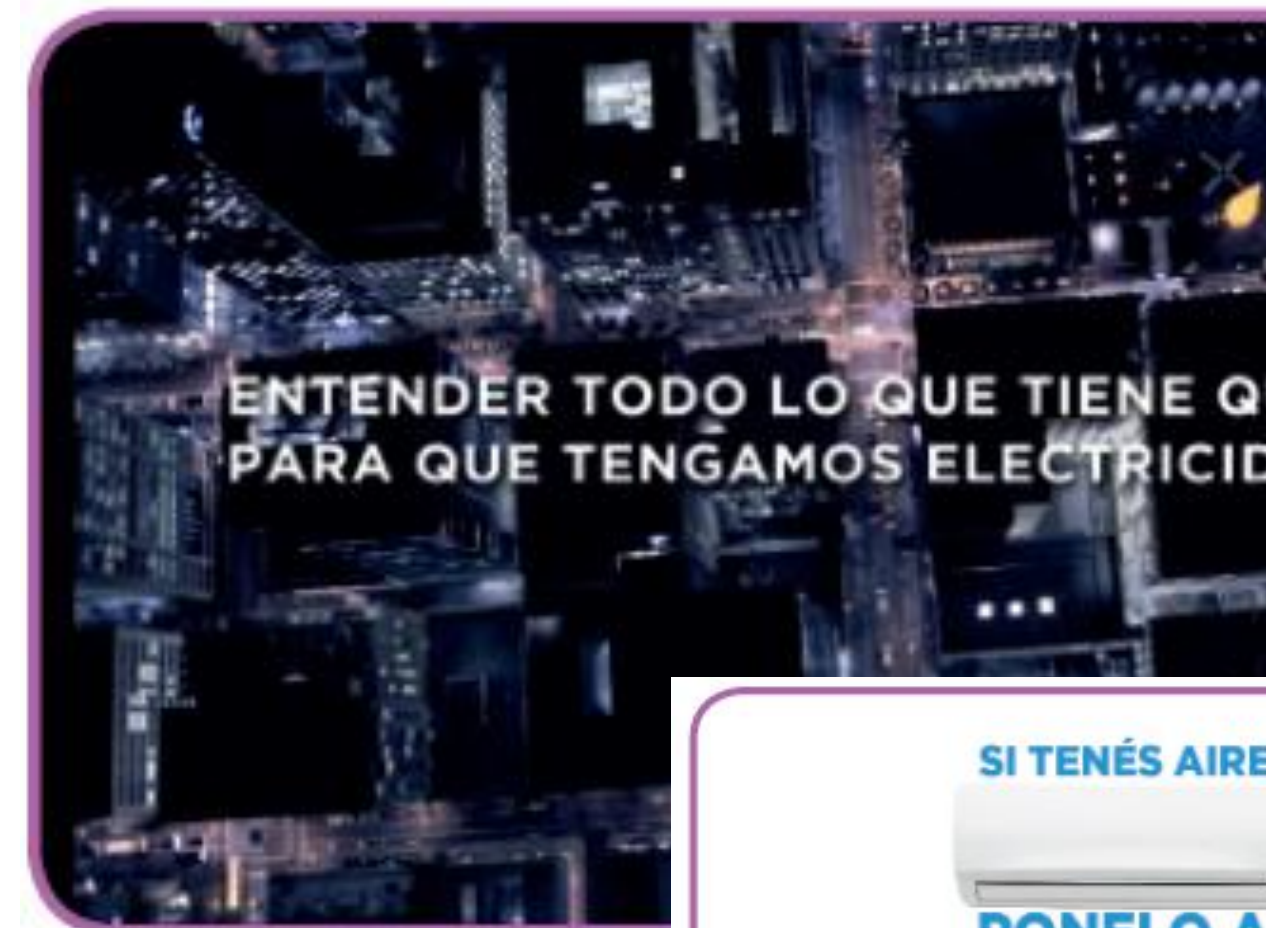
**Educational
materials**



COMMUNITY AWARENESS INITIATIVES

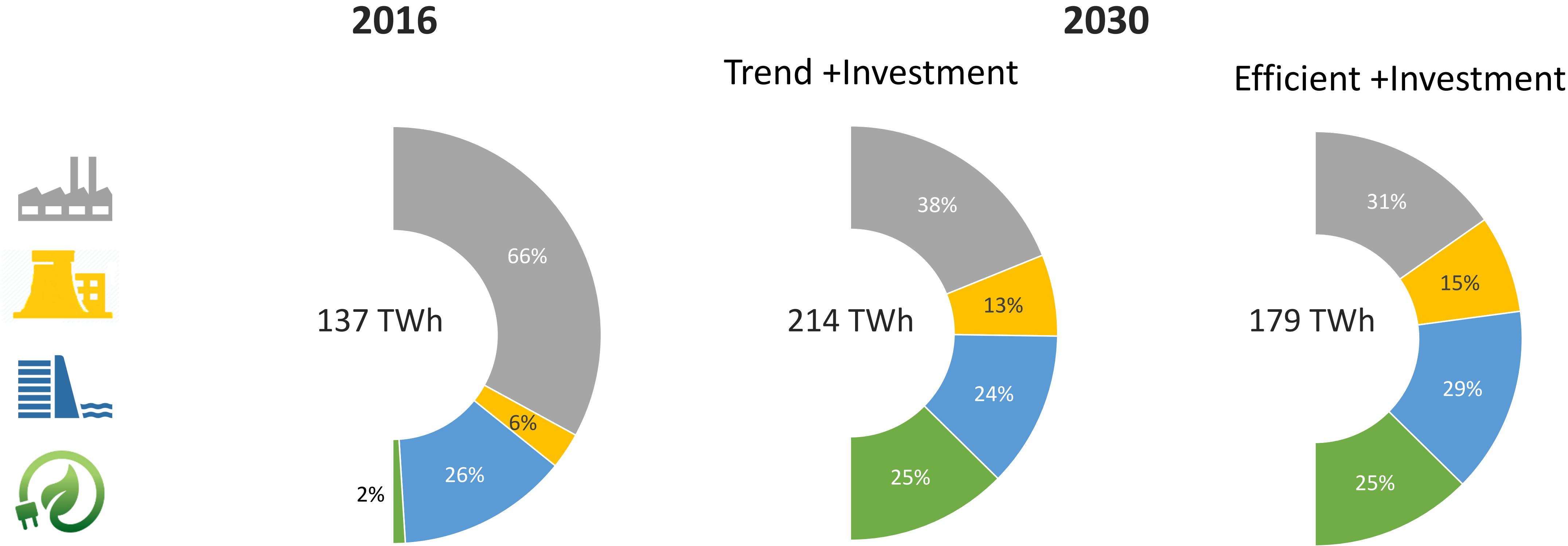


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ARGENTINA ENERGY SCENARIOS @2030

Electric Power Generation



All the scenarios reach 25% of electricity generation from unconventional renewable sources.
The share of thermal generation is reduced.

ARGENTINA ENERGY SCENARIOS @2030

Renewable Energy 2016-present

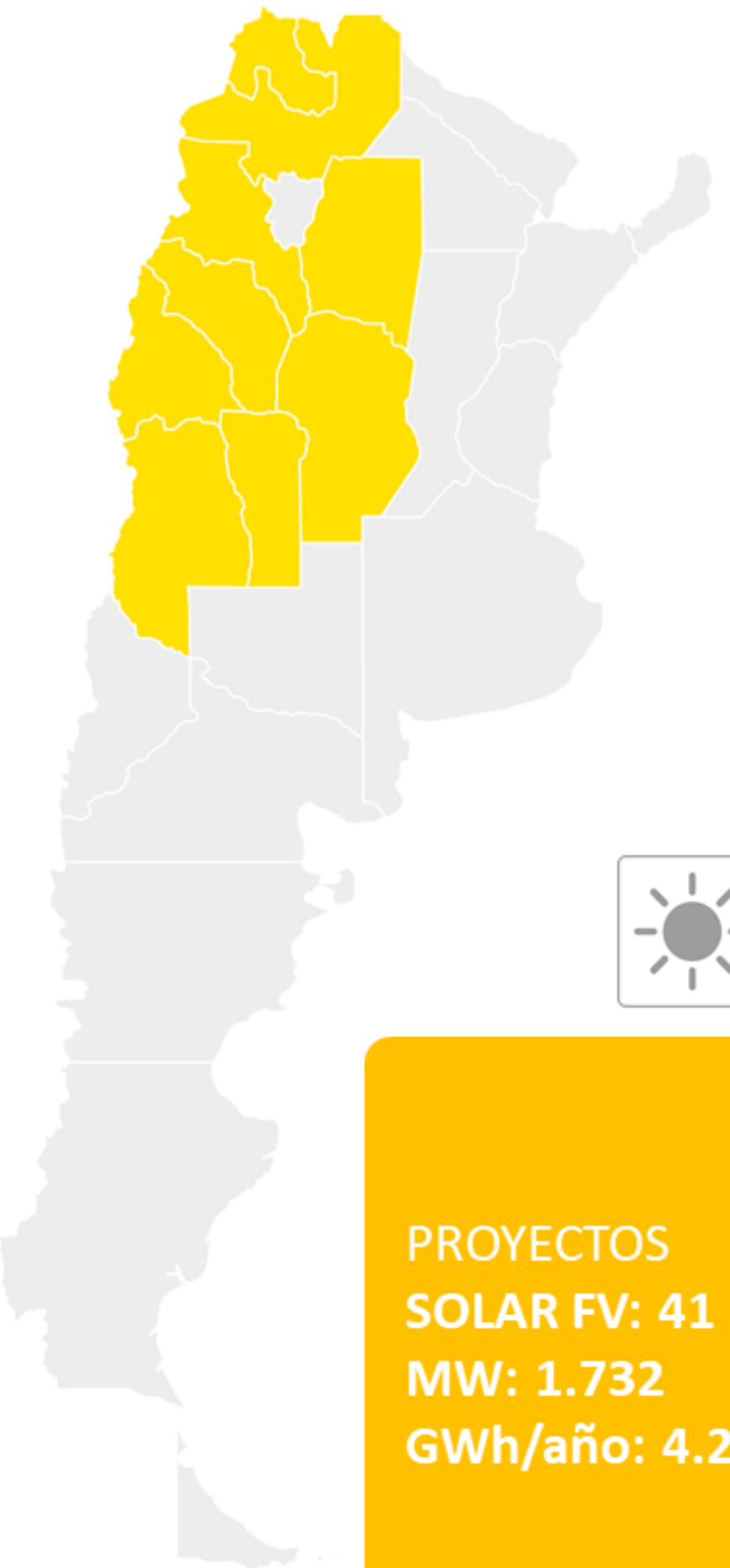


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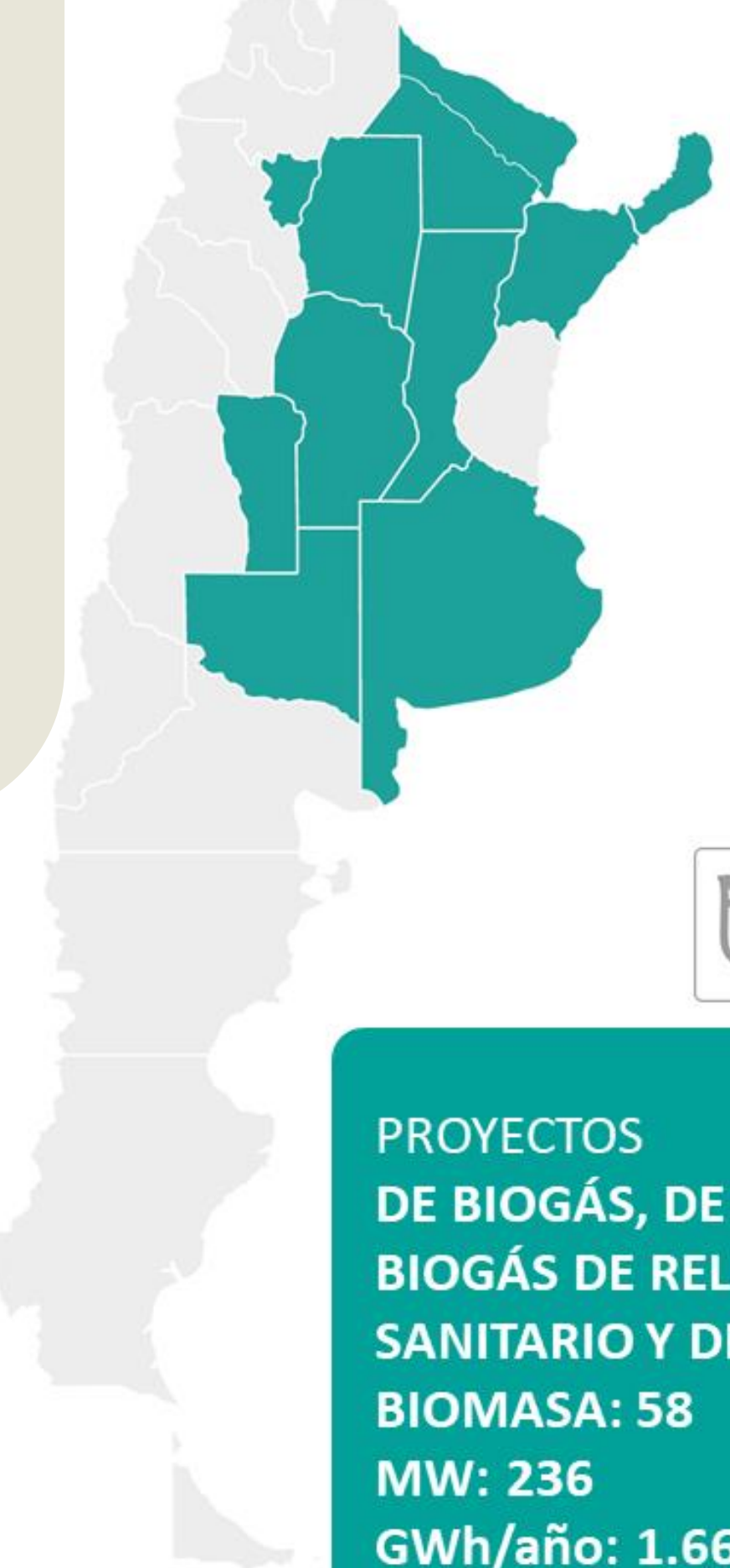
147 projects
4.466 MW
15,84 TWh/yr



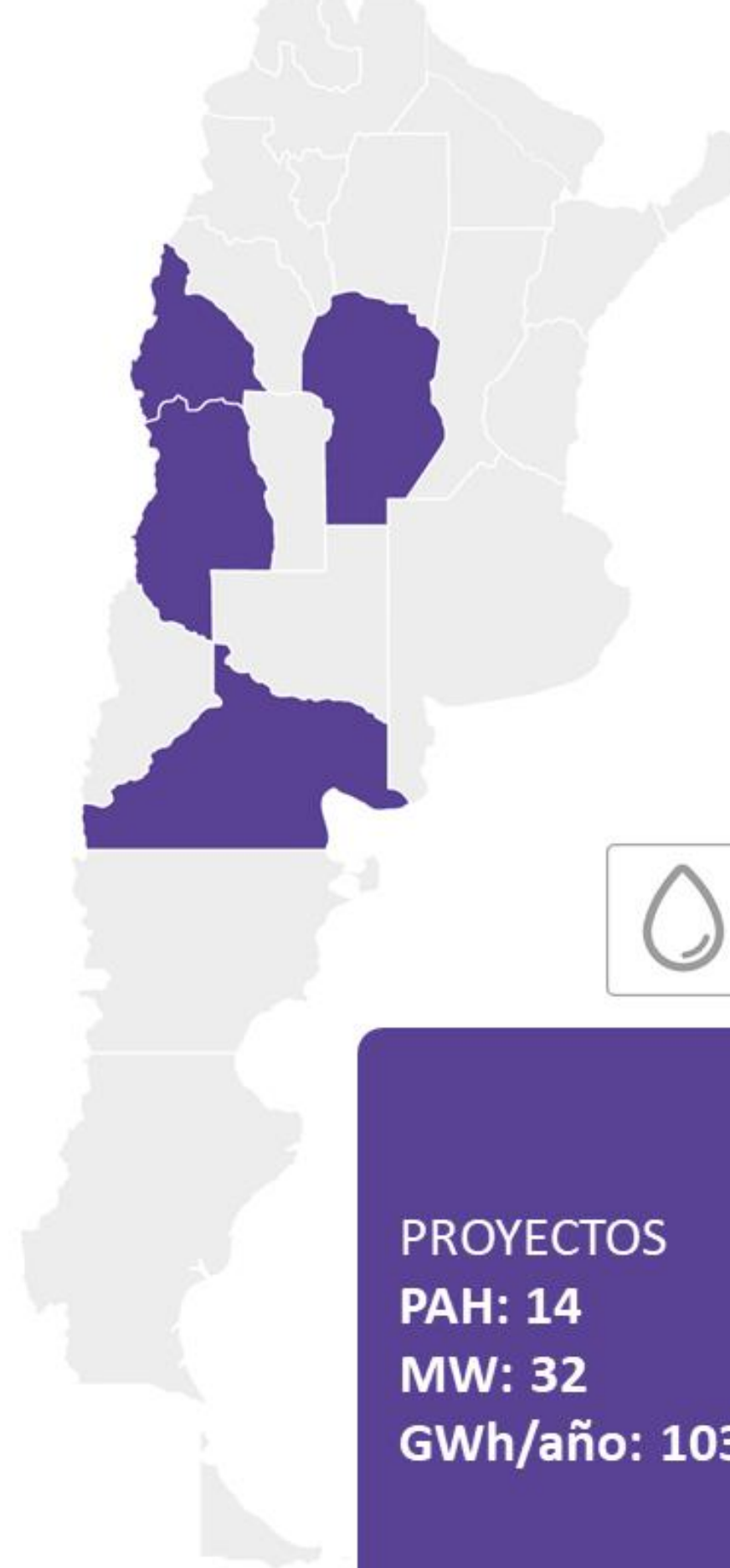
PROYECTOS SOLARES: 34
MW: 2.466
GWh/año: 9.778



PROYECTOS SOLAR FV: 41
MW: 1.732
GWh/año: 4.290



PROYECTOS DE BIOGÁS, DE BIOGÁS DE RELLENO SANITARIO Y DE BIOMASA: 58
MW: 236
GWh/año: 1.665

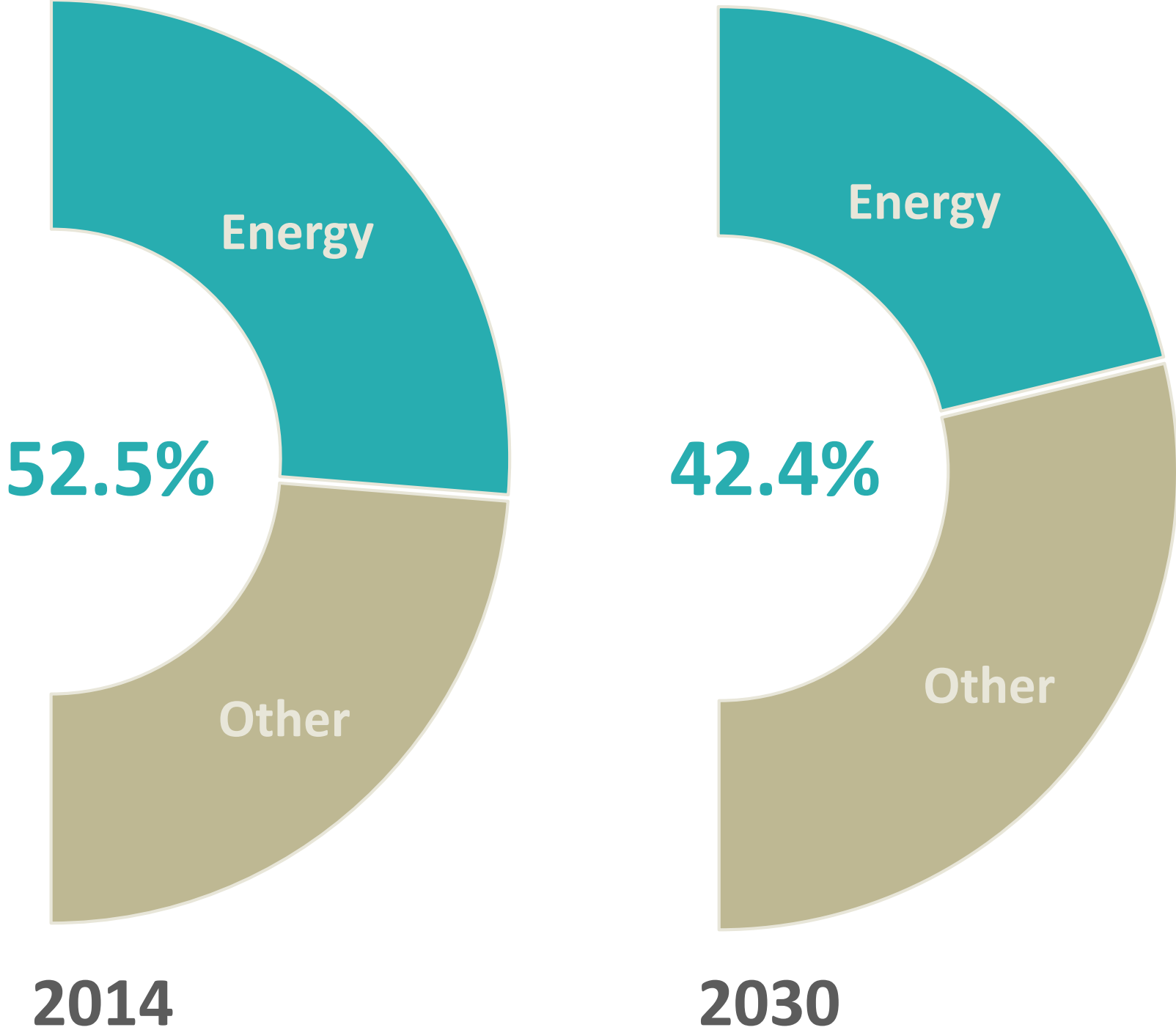


PROYECTOS PAH: 14
MW: 32
GWh/año: 103

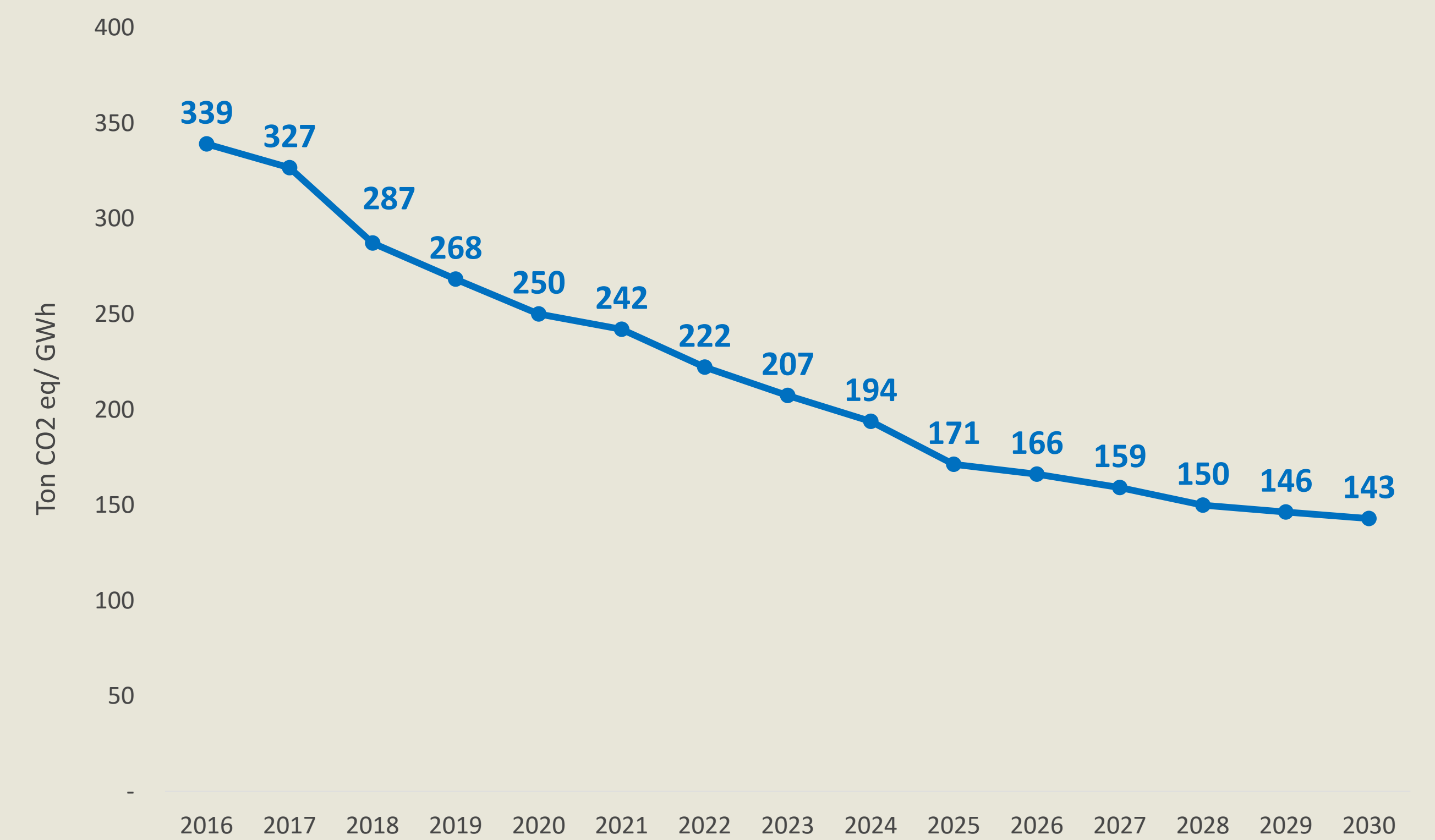
ARGENTINA ENERGY SCENARIOS @2030

GHG Emissions

Share of total GHG emissions



Power sector emissions per GWh



Significant decrease of the share of **energy sector** over total emissions based on low carbon sources & technologies, and energy efficiency policies.

ENERGY, CLIMATE CHANGE & SDG 2030



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AGENDA 2030 - ODS
ARGENTINA

The Ministry of Energy and Mining has an active role in the
Climate Change and SDG agendas

ENERGY, CLIMATE CHANGE & SDG 2030

MITIGATION MEASURES

NATIONAL ENERGY AND CLIMATE CHANGE ACTION PLAN

REPUBLIC OF ARGENTINA

OBJECTIVES:

- PROVIDE A CLEAN AND SUSTAINABLE ENERGY SUPPLY
- PROMOTE RESPONSIBLE ENERGY USE THROUGH EFFICIENCY
- REDUCE GREENHOUSE GAS EMISSIONS
- IMPLEMENT ADAPTATION MECHANISMS THAT REDUCE EXPOSURE TO RISK, SOCIAL VULNERABILITY AND THAT OF ENERGY SYSTEMS

Ministerio de Ambiente y Desarrollo Sustentable Ministerio de Energía y Minería República Argentina

- ENERGY EFFICIENCY**
 - EFFICIENCY IN HOME APPLIANCES
 - EFFICIENT BOILERS
 - SOLAR BOILERS
 - HEAT PUMPS
 - WATER-SAVING DEVICES
 - STREET LIGHTING
 - RESIDENTIAL LIGHTING
 - THERMAL INSULATION IN BUILDINGS
- RENEWABLE ENERGY**
 - ELECTRICITY GENERATION FROM RENEWABLE RESOURCES CONNECTED TO THE GRID
 - GENERATION OF DISTRIBUTED ELECTRICITY
 - OFF-GRID ELECTRICITY GENERATION
- FUEL**
 - MIXING WITH BIOFUELS
- LARGE SCALE GENERATION**
 - NUCLEAR
 - HYDROELECTRIC
 - SUBSTITUTION OF FOSSIL FUELS WITH NATURAL GAS FOR ELECTRICITY GENERATION
 - IMPROVING THE EFFICIENCY OF THERMAL POWER STATIONS

- MONITORING
- CONTINUOUS REVISION
- FUNDING

ADAPTATION MEASURES TO BE DEVELOPED IN 2018

NATIONAL CONTRIBUTION - NDC



PRESENTS THE LARGEST MITIGATION POTENTIAL OF THE NDC



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ARGENTINA 2018

BUILDING CONSENSUS FOR FAIR
AND SUSTAINABLE DEVELOPMENT

G20 Energy Transitions Working Group (ETWG)

Progress Report

Energy Transitions towards Cleaner, more Flexible and Transparent Systems

Why Energy TransitionS?

- The term “transitions” – in plural – emphasises that each G20 member can follow its own path towards a cleaner, more flexible and transparent energy future.
- This view reflects the fact that each G20 member has a unique energy mix as starting point, different geographies, cultures and stages of development.
- It also emphasises that energy sources are diverse around the world, with differences in natural resources, technologies, capital and national circumstances.
- Moreover, diverse transition processes imply the coexistence of country-specific goals, such as promoting economic growth, improving access to energy for all citizens, providing energy security, mitigating climate change or simply reducing emissions.

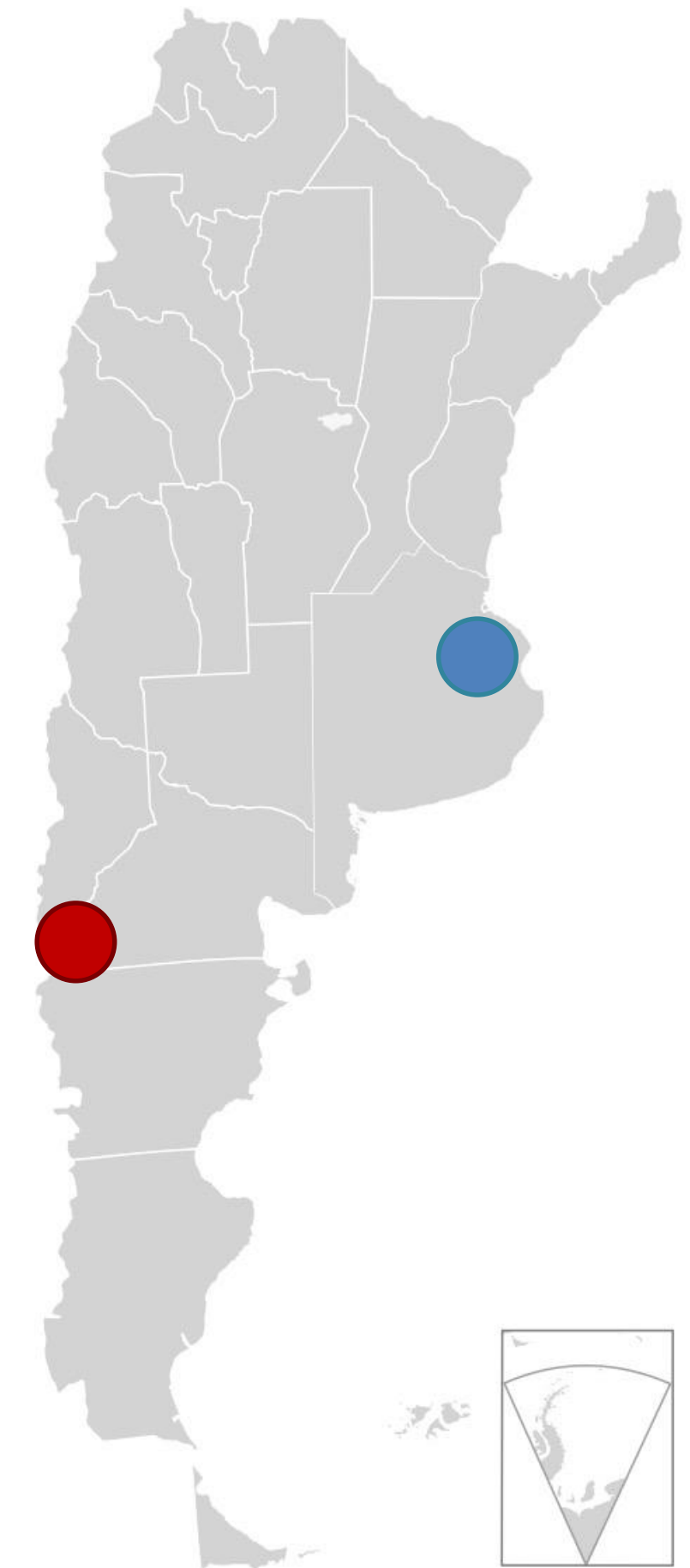
G20 Energy: 2018 Meeting Schedule

(Venues: Buenos Aires in February, and Bariloche in June)

- ✓ Feb. 21: Energy Efficiency & Renewables Forum (IEA-IPEEC-IRENA-MINEM Side Event)
- ✓ Feb. 22: Energy End Use Data and Metrics Workshop (IEA-ADEME-MINEM Side Event)
- ✓ **Feb. 22-23: G20 Energy Transitions Working Group (ETWG) Meeting 1**

- June 12: Gas Day (IGU Event)
- June 13-14: World Energy Council Leaders Summit (WEC Event)
- **June 13-14: G20 Energy Transitions Working Group (ETWG) Meeting 2**

- **June 15: G20 Energy Ministers Meeting**
(To be preceded by site visit and welcome dinner on June 14)



G20 ETWG: Working Documents

- **ETWG Deliverables**
 - Energy Transitions towards Cleaner, more Flexible and Transparent Systems
 - Advancing Energy Efficiency in G20 Economies
 - Renewable Energy: A key Enabler for the Transition to Cleaner Energy Systems
 - Energy Access and Affordability Voluntary Action Plan for Latin America and the Caribbean
 - Energy Data Transparency and Market Digitalisation
 - OECD/IEA Update Report on Inefficient Fossil Fuel Subsidies (IFFS)
- **Energy Ministers Communiqué** (Input for Ministerial meeting)

G20 ETWG: Working Process

- **ETWG Preparatory Phase (Nov 2017 – Feb 2018)**
 - Work with International Organisations (IO) to prepare discussion papers on Energy Transitions, Energy Efficiency, Renewables, Access to Energy in Latin America and the Caribbean, Data Transparency and Inefficient Fossil Fuel Subsidies.
 - Coordinate logistics, invite delegates, select keynote speakers, define agendas, etc.
- **ETWG Meeting 1:** Discussion of - and feedback on - Working Documents and underlying issues, and initial inputs on Ministerial Communiqué. (Buenos Aires, Feb 2018)
- **Interim period (March - May 2018):** Additional feedback and consultation with G20 membership and IO.
- **ETWG Meeting 2:** Final discussion of Working Documents and Ministerial Communiqué. (Bariloche, June 2018)
- **Energy Ministers Meeting.** Discussion and approval of the Communiqué. Inputs to Leaders Summit. (June 2018)

G20 ETWG: 2018 Focus

- Building consensus among G20, based on previous outcomes of the Chinese and German Presidencies:
 - Consensus that “Transitions” (in plural) and “cleaner” provide flexibility to accommodate country specific situations and goals.
- Energy Efficiency and Renewables critical to achieve NDC:
 - Need to continue promoting deployment of renewable energy.
 - Knowledge sharing and financing of energy efficiency within and beyond G20 countries, as key contributors to achieve emissions targets.
- Recognition of current importance of fossil fuels and other energy sources.
- Discussion regarding the reduction of Inefficient Fossil Fuel subsidies (IFFS).



Energy Transitions towards Cleaner, more Flexible and Transparent Systems

Thank you!

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