### SECTION 1: AMBITION

#### 1.1. Ambitions to achieve SDG7 by 2030. [Please select all that apply, and make sure to state the baseline of each target]

(Member States targets could be based on their NDCs, energy policies, national five-year plans etc. targets for companies/organizations could be based on their corporate strategy)

| ☒ 7.1. By 2030, ensure universal access to affordable, reliable and modern energy services. | Target(s): 100% of Bolivians have basic electricity service  
Time frame: 2021 - 2030  
Context for the ambition(s): Execution of projects for universal access to electric energy coverage within the framework of the horizontal expansion programs provided for in the investment plans of the country’s distribution companies.  
Implement photovoltaic systems with lithium batteries in rural communities where the main electrical energy network does not reach to guarantee universal access to basic services such as electricity. |
| ☒ 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix. | Target(s): 2,07 GW, Total installed capacity of RE projected to 2030  
Time frame: 2019 - 2030  
Context for the ambition(s): 39.29% increase in the share of renewable energy (hydraulic, wind, solar and biomass) in the demand for electricity. It has sought to change the energy matrix and reduce the consumption of fossil sources through the incorporation of generation through renewable sources. |
| ☒ 7.3. By 2030, double the global rate of improvement in energy efficiency. | Target(s): Promote the efficient use of electricity  
Time frame: 2021 - 2030  
Context for the ambition(s): Sustainable and efficient use of energy resources in the framework of the energy transition |
| ☐ 7.a. By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology. | Target(s):  
Time frame:  
Context for the ambition(s): |
| ☐ 7.b. By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programs of support. | Target(s):  
Time frame:  
Context for the ambition(s): |
1.2. Other ambitions in support of SDG7 by 2030 and net-zero emissions by 2050. [Please describe below e.g., coal phase out or reforming fossil fuel subsidies etc.]

Target (s): Development of green hydrogen as a fuel and energy vector for the transition towards the use and implementation of clean energy

Time frame: By 2025 the production of green hydrogen has started
By 2030, the use of green hydrogen in the domestic market has become widespread

Context for the ambition(s): For the production of green hydrogen, there are mainly renewable, solar and wind resources, and there is an available capacity to generate electricity with renewable resources. Likewise, there are natural gas liquefaction plants that can be adapted for green hydrogen liquefaction. On the other hand, there is a wide network of gas pipelines and an oil pipeline to border countries that can be adapted for export.

Target (s): Lithium batteries for electromobility
Time frame: to 2030

Context for the ambition (s): Manufacture lithium batteries for electromobility applications, in order to gradually reduce the use of fossil fuels.

SECTION 2: ACTIONS TO ACHIEVE THE AMBITION

2.1. Please add at least one key action for each of the elaborated ambition(s) from section 1. [Please add rows as needed].

<table>
<thead>
<tr>
<th>Description of action (please specify for which ambition from Section 1)</th>
<th>Start and end date</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.1. By 2030, ensure universal access to affordable, reliable and modern energy services. Extend and densify electric power networks in urban and rural areas</td>
<td>2021-2030</td>
</tr>
<tr>
<td>Description of action (please specify for which ambition from Section 1)</td>
<td>Start and end date</td>
</tr>
<tr>
<td>7.1. By 2030, ensure universal access to affordable, reliable and modern energy services. Apply alternative energies in dispersed rural areas, facilitating access to solar panels in more remote communities.</td>
<td>2022-2030</td>
</tr>
<tr>
<td>Description of action (please specify for which ambition from Section 1)</td>
<td>Start and end date</td>
</tr>
<tr>
<td>7.1. By 2030, ensure universal access to affordable, reliable and modern energy services. Manufacture of lithium batteries for energy storage</td>
<td>2017-2030</td>
</tr>
<tr>
<td>Description of action (please specify for which ambition from Section 1)</td>
<td>Start and end date</td>
</tr>
<tr>
<td>7.2. By 2030, increase substantially the share of renewable energy in the global energy mix. Build and operate hydroelectric plants and implement generation plants using alternative and renewable energies: wind, biomass, geothermal and solar.</td>
<td>2021-2030</td>
</tr>
<tr>
<td>Description of action (please specify for which ambition from Section 1)</td>
<td>Start and end date</td>
</tr>
<tr>
<td>7.3. By 2030, double the global rate of improvement in energy efficiency. Implementation of energy efficiency programs and projects in different areas (production, consumption and public lighting).</td>
<td>2017-2030</td>
</tr>
<tr>
<td>Description of action (please specify for which ambition from Section 1)</td>
<td>Start and end date</td>
</tr>
<tr>
<td>1.2. Other ambitions in support of SDG7 by 2030 and net-zero emissions by 2050 Creation and implementation of the Green Hydrogen Development Program</td>
<td>2022-2030</td>
</tr>
<tr>
<td>Description of action (please specify for which ambition from Section 1)</td>
<td>Start and end date</td>
</tr>
<tr>
<td>1.2. Other ambitions in support of SDG7 by 2030 and net-zero emissions by 2050 Manufacture of lithium batteries for electromobility</td>
<td>2019-2030</td>
</tr>
</tbody>
</table>
### SECTION 3: OUTCOMES

3.1. Please add at least one measurable and time-based outcome for each of the actions from section 2. [Please add rows as needed].

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extend and densify electric power networks in urban and rural areas</td>
<td>2025</td>
</tr>
<tr>
<td>2,977.20 km of transmission lines built within the National Interconnected System</td>
<td></td>
</tr>
<tr>
<td>Apply alternative energies in dispersed rural areas, facilitating access to solar panels in more remote communities</td>
<td>2030</td>
</tr>
<tr>
<td>100% electric power coverage has been achieved in urban and rural areas with the implementation of RE</td>
<td></td>
</tr>
<tr>
<td>Manufacture of lithium batteries for energy storage</td>
<td>2030</td>
</tr>
<tr>
<td>Use of Bolivian lithium batteries in photovoltaic systems distributed in rural areas</td>
<td></td>
</tr>
<tr>
<td>Build and operate hydroelectric plants and implement generation plants using alternative and renewable energies: wind, biomass, geothermal and solar.</td>
<td>2030</td>
</tr>
<tr>
<td>Build and operate hydroelectric plants to generate 1,447 MW and implement generation plants using alternative and renewable energies: wind, biomass, geothermal and solar, to generate 2,070 MW.</td>
<td>2030</td>
</tr>
<tr>
<td>Implementation of energy efficiency programs and projects in different areas (production, consumption and public lighting)</td>
<td>2030</td>
</tr>
<tr>
<td>3 Programs of energy efficiency in public lighting executed and concluded.</td>
<td></td>
</tr>
<tr>
<td>Creation and implementation of the Green Hydrogen Development Program</td>
<td>2030</td>
</tr>
<tr>
<td>A roadmap has been defined for the Green Hydrogen Development Program and there is a prioritized project portfolio. Green hydrogen production has started at the pilot plant.</td>
<td></td>
</tr>
<tr>
<td>Manufacture of lithium batteries for electromobility</td>
<td>2030</td>
</tr>
<tr>
<td>Use of Bolivian lithium batteries for conversion from combustion to electric vehicles</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 4: REQUIRED RESOURCES AND SUPPORT

4.1. Please specify required finance and investments for each of the actions in section 2.

<table>
<thead>
<tr>
<th>Action</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extend and densify electric power networks in urban and rural areas.</td>
<td>Construction of transmission lines: USD 463,228,44 (Estimated investment only until 2025)</td>
</tr>
<tr>
<td>Apply alternative energies in dispersed rural areas, facilitating access to solar panels in more remote communities.</td>
<td>Increase coverage to 100%: USD 328,018,118 (Estimated investment for projects in rural areas. In the urban area the investment is in charge of the Distributors)</td>
</tr>
<tr>
<td>Manufacture of lithium batteries for energy storage.</td>
<td>No estimate</td>
</tr>
<tr>
<td>Build and operate hydroelectric plants and implement generation plants using alternative and renewable energies: wind, biomass, geothermal and solar.</td>
<td>Projects to accelerate the energy transition: USD 3,445,616,379 (It is the total investment considering projects that are currently under execution)</td>
</tr>
<tr>
<td>Implementation of energy efficiency programs and projects in different areas (production, consumption and public lighting).</td>
<td>USD 1,734,051 (Regulations, standards and execution of pilot projects)</td>
</tr>
</tbody>
</table>
**SECTION 5: IMPACT**

5.1. Countries planned for implementation including number of people potentially impacted.

In Bolivia, just by reaching the goal of 100% coverage, more than 120,430 families that do not have basic electricity service would benefit.

5.2. Alignment with the 2030 Agenda for Sustainable Development – Please describe how each of the actions from section 2 impact advancing the SDGs by 2030.  
(up to 500 words, please upload supporting strategy documents as needed)

- **Rural electrification** will allow universal access to electricity in urban and rural areas of the country in compliance with SDG 7. The endowment of pico photovoltaic systems provide an alternative access to electricity service to families living far from electricity grids in compliance with SDG 7 and 10. The production of lithium batteries for energy accumulators will guarantee uninterrupted access to electricity service in rural areas in compliance with SDG 7 and 9. Renewable energies will allow the sustainable development of the country, in accordance with SDG 7, 11 and 13. Energy efficiency will allow new opportunities for sustainable development for the country, in accordance with SDG 11. With the production of green hydrogen, it will be possible to reduce the use of energy from fossil resources, in accordance with SDG 7, 12 and 13.

5.3. Alignment with Paris Agreement and net-zero by 2050 - Please describe how each of the actions from section 2 align with the Paris Agreement and national NDCs (if applicable) and support the net-zero emissions by 2050.  
(up to 500 words, please upload supporting strategy documents as needed)

- Rural electrification through pico photovoltaic solar systems and mini hydroelectric plants, renewable energies and energy efficiency contribute to the reduction of greenhouse effect emissions due to the displacement of fossil fuels.
SECTION 6: MONITORING AND REPORTING

6.1. Please describe how you intend to track the progress of the proposed outcomes in section 3. Please also describe if you intend to use other existing reporting frameworks to track progress on the proposed outcomes.

All rural electrification, renewable energy and energy efficiency projects will be supported by technical monitoring and financial execution reports.

SECTION 7: GUIDING PRINCIPLES CHECKLIST

Please use the checklist below to validate that the proposed Energy Compact is aligned with the guiding principles.

I. Stepping up ambition and accelerating action - Increase contribution of and accelerate the implementation of the SDG7 targets in support of the 2030 Agenda for Sustainable Development for Paris Agreement

1. Does the Energy Compact strengthen and/or add a target, commitment, policy, action related to SDG7 and its linkages to the other SDGs that results in a higher cumulative impact compared to existing frameworks?
   ☒ Yes ☐ No

2. Does the Energy Compact increase the geographical and/or sectoral coverage of SDG7 related efforts?
   ☒ Yes ☐ No

3. Does the Energy Compact consider inclusion of key priority issues towards achieving SDG7 by 2030 and the net-zero emission goal of the Paris Agreement by 2050 - as defied by latest global analysis and data including the outcome of the Technical Working Groups?
   ☒ Yes ☐ No

II. Alignment with the 2030 agenda on Sustainable Development Goals – Ensure coherence and alignment with SDG implementation plans and strategies by 2030 as well as national development plans and priorities.

1. Has the Energy Compact considered enabling actions of SDG7 to reach the other sustainable development goals by 2030?
   ☒ Yes ☐ No

2. Does the Energy Compact align with national, sectoral, and/or sub-national sustainable development strategies/plans, including SDG implementation plans/roadmaps?
   ☒ Yes ☐ No

3. Has the Energy Compact considered a timeframe in line with the Decade of Action?
   ☒ Yes ☐ No

III. Alignment with Paris Agreement and net-zero by 2050 - Ensure coherence and alignment with the Nationally Determined Contributions, long term net zero emission strategies.

1. Has the Energy Compact considered a timeframe in line with the net-zero goal of the Paris Agreement by 2050?
   ☒ Yes ☐ No

2. Has the Energy Compact considered energy-related targets and information in the updated/enhanced NDCs?
   ☒ Yes ☐ No

3. Has the Energy Compact considered alignment with reaching the net-zero emissions goal set by many countries by 2050?
   ☒ Yes ☐ No

IV. Leaving no one behind, strengthening inclusion, interlinkages, and synergies - Enabling the achievement of SDGs and just transition by reflecting interlinkages with other SDGs.

1. Does the Energy Compact include socio-economic impacts of measures being considered?
   ☒ Yes ☐ No

2. Does the Energy Compact identify steps towards an inclusive, just energy transition?
   ☒ Yes ☐ No

3. Does the Energy Compact consider measures that address the needs of the most vulnerable groups (e.g. those impacted the most by energy transitions, lack of energy access)?
   ☒ Yes ☐ No

V. Feasibility and Robustness - Commitments and measures are technically sound, feasible, and verifiable based on a set of objectives with specific performance indicators, baselines, targets and data sources as needed.

1. Is the information included in the Energy Compact based on updated quality data and sectoral assessments, with clear and transparent methodologies related to the proposed measures?
   ☒ Yes ☐ No

2. Has the Energy Compact considered inclusion of a set of SMART (specific, measurable, achievable, resource-based and time-based) objectives?
   ☒ Yes ☐ No

3. Has the Energy Compact considered issues related to means of implementation to ensure feasibility of measures proposed (e.g. cost and financing strategy, technical assistant needs and partnerships, policy and regulatory gaps, data and technology)?
   ☒ Yes ☐ No
SECTION 8: ENERGY COMPACT GENERAL INFORMATION

8.1. Title/name of the Energy Compact

SDG7 Energy Compact of Ministry of Hydrocarbons and Energies

8.2. Lead entity name (for joint Energy Compacts please list all parties and include, in parenthesis, its entity type, using entity type from below)

Ministry of Hydrocarbons and Energies

8.3. Lead entity type

☒ Government
☐ Local/Regional Government
☐ Multilateral body/Intergovernmental Organization
☐ Non-Governmental Organization (NGO)
☐ Civil Society organization/Youth
☐ Academic Institution/Scientific Community
☐ Private Sector
☐ Philanthropic Organization
☐ Other relevant actor

8.4. Contact Information

"Jose Maria Romay Bortolini" <jromay@hidrocarburos.gob.bo>

8.5. Please select the geographical coverage of the Energy Compact

☐ Africa  ☐ Asia and Pacific  ☐ Europe  ☒ Latin America and Caribbean  ☐ North America  ☐ West Asia  ☐ Global

8.6. Please select the Energy Compact thematic focus area(s)

☒ Energy Access  ☒ Energy Transition  ☒ Enabling SDGs through inclusive just Energy Transitions  ☐ Innovation, Technology and Data  ☐ Finance and Investment.

SECTION 9: ADDITIONAL INFORMATION (IF REQUIRED)

Please provide additional website link(s) on your Energy Compact, which may contain relevant key documents, photos, short video clips etc.