



SDG7 Energy Compact of ResQ Energy

A next Decade Action Agenda to advance SDG7 on sustainable energy for all, in line with the goals of the Paris Agreement on Climate Change

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)

<input type="checkbox"/> 7.1. By 2030, ensure universal access to affordable, reliable and modern clean energy services.	<p>Target(s):</p> <ul style="list-style-type: none"> - To work with Governments, NGOs and other private sector companies to close the energy technology gap in developing countries this is by facilitating the introduction of new affordable, reliable and renewable energy goods and services. - Zimbabwe currently has 40% of its population connected to the National Grid with 16% in rural areas and 78% in urban areas. To participate in the sustainable development and electrification of rural area homes to 67.8% of the Zimbabwean population. - Our target is to utilize sustainable energy innovations to get to 60% national access to affordable and clean energy in Zimbabwe's rural areas by 2030. - Access to clean and affordable energy for all Zimbabweans by 2030 - To contribute to the development of Green cities, towns and community centers in Zimbabwe - To increase the access to knowledge and information about new energy technologies to introduce the new age of renewable energy to Zimbabweans. <p>Time frame: 2021-2025</p> <p>Context for the ambition(s): ResQ energy has been engaging local, authorities, NGOs and international organizations regarding the introduction of sustainable energy solutions to Zimbabweans which include but are not limited to access to clean energy (development of roof top solar farms), waste to energy for heating and cooking (domestic and hospitality industry), replacement energy sources for fossil fueled generators.</p>
<input type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix.	<p>Target(s):</p> <ul style="list-style-type: none"> - Implement the installation of solar farms in all areas for development. In cities, high density suburbs, new neighborhoods and rural areas. Provide sustainable energy solutions for all income levels. - The Target for Zimbabwe is to produce 1000MW of renewable energy electricity by 2030 - We are committed to contributing to the implementation of 100MW of sustainable energy projects by 2030 - 31% of Households in Zimbabwe use Solar Powered Electricity, we look to increase this number - Overallly 60% of Zimbabweans still rely on solid biomass as a source of energy with no access to clean affordable energy

	<p>Provide sustainable energy solutions for low income households Including access to cheap affordable lighting solutions</p> <ul style="list-style-type: none"> - Provide access to sustainable lighting solutions. improve access to Domestic solar lighting for 50% - Reduce fossil fuel use in industry by 50% before 2025 - 29% of Zimbabwe's electricity is generated from fossil fuels. - The majority is used by diesel generators in industries and in corporates to counter irregular electricity supply. - By 2025 we will reduce this number to 10% by providing clean energy alternatives to corporates and industries at affordable rates. - Increasing the share of renewable energy solutions in the national energy mix <p>Time frame: By 2025</p> <p>Context for the ambition(s):</p> <p>As partners with the Rural electrification agency, we will work on delivering sustainable solutions to rural areas.We will also work with companies as part of an association of sustainable businesses in Zimbabwe.</p>	
<p><input type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency.</p>	<p>Target(s): Ensure that all lighting both household, business and street lighting uses LED energy efficient bulbs in Zimbabwe and the Southern African region. Improve energy consumption in water reticulation and laundry systems in the hospitality and medical facilities by introducing the use of ozonated water</p> <p>Time frame: Ongoing 2030</p> <p>Context for the ambition(s): Currently we implement retrofit projects on LED replacement in different institutions, including targeting construction companies who are building new structures to fit LED light bulbs.</p>	
<p><input type="checkbox"/> 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.</p>	<p>Target(s): Work with international Organizations, NGOs, and Foreign governments to access data on renewable and energy.</p> <ul style="list-style-type: none"> - Compile this data in a way that it can be transferred as knowledge to all levels of society. Starting in schools, all the way up to industry. <p>Participate in the global energy transfer process as a conduit through which investment programs for energy infrastructure and clean energy technology can be managed and executed even by other contractors in the country.</p> <p>Time frame: from 2022</p> <p>Context for the ambition(s):</p> <p>We have been establishing networks with multiple organizations during the Covid 19 pandemic. We are well versed with the national priorities and NDCs for energy generation and are poised to expand operations with new investment.</p>	
<p><input checked="" type="checkbox"/> 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.</p>	<p>Target(s): - Manage projects on energy access for medical facilities and schools in rural areas, and participate in the management of the construction of New Green Cities in partnership with local property developers and owners. Assist in the transition to green cities by providing technologies and knowledge, and professional management capacity to all</p> <ul style="list-style-type: none"> - Developing solar farms and focusing on all sectors of industry and supplying solutions which are best fit to each country <p>Time frame: from 2023</p> <p>Context for the ambition(s):</p> <p>We have building plans for a city approved by councils, and laying down plans for the management of this project. We also have ongoing project plans of renovating the leading hospital in the country to provide 600 megawatt off grid rooftop</p>	

solar installation, water reticulation with ozonated laundry system and thermal water heaters, including solar powered pyrolysis waste management system for the hospital and its community.

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):

- Work with the forestry commission in advocating for and Implementing Ecosystem based adaptation to combat climate change.
- Improve waste management systems and assist in the transition to the circular economy where waste is viewed as a resource. Also provide waste to energy solutions for all. We have an Memorandum of Understanding with Zimbabwe's Environmental management agency to partner in developing sound waste management models that promote the circular economy
- As partners of the forestry commission. We would like to assist them in resuscitation of the Green cities projects and also contribute to the 2million trees promised by Zimbabwe.
- combat the spread of GHG and climate change by reducing the amount of carbon dioxide emitted due to inefficient waste management practices and deforestation. We work directly with the forestry commission in Zimbabwe regarding projects of greening cities and other afforestation projects.

Time frame: By 2030

Context for the ambition(s): We are partners of the Environmental Management Authority [EMA] in introducing the innovative solar powered Asher, which is a waste management unit which decomposes all waste in the absence of oxygen, and hence produces non toxic emissions. This is suitable for clearing dump sites, and diverting waste from landfills.

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].

<p>By 2030, ensure universal access to affordable, reliable and modern energy services.</p> <ul style="list-style-type: none"> - ResQ Energy will implement renewable energy innovations energy. Currently we are working as part of the Urban Resilience Project in supplying PV charging stations and 200m3 Biogas digester at Mbare Musika Market, and the Asher a solar powered waste management unit that decomposes upto 4tonnes of waste per day. - Electrifying rural Shurugwi a small mining town with a population of 21000 in Zimbabwe. Currently ResQ is communicating with 5 rural schools regarding energy access, access to water and water reticulation systems and access to modern internet and learning solutions. These schools are Tumba Primary School, Makandire Primary Sch, Bokai Primary sch, Symbolize secondary and Magumise secondary sch. schools capacity 350-500 students - ResQ is also working with 4 clinics in the area regarding Energy Access and rehabilitating the Hospital . - Looking for funding \$350000USD. To purchase and commision an Asher (solar powered waste management unit) for Shurugwi City Council. We have a partnership with the Environmental management agency to distribute the Asher - engage with international organizations to make modern energy services accessible to the avg Zimbabwean - Distribute Clean cooking and clean lighting alternatives for low income households and rural areas. Access funding to Go distribute these energy souruces in rural Zimbabwe starting with, Mutambara, Nhedziwa, Chiramba, and the greater Chimanimani area. - Engage with energy providers to get the necessary technologies and knowledge transfer needed to implement large scale energy projects in low income and rural areas - ResQ Energy will commit its staff and resources towards this goal. Assist local authorities, regulators and government in the assessment of current status of rural electrification. - 	<p>2022 January- ongoing to 2030</p>
<p>By 2030, increase substantially the share of renewable energy in the global energy mix.</p> <ul style="list-style-type: none"> - Installation of off grid solar power and other Green technologies at Various cluster homes and apartment complexes, and cities - Introducing green technologies in the Construction of Sustainable cities. 	<p>January 2022 - ongoing to 2030</p>

<ul style="list-style-type: none"> - Establishing solar farms and providing replacement options for energy generated from fossil fuels(generators). - Improve access to alternative energy sources that are not widely used in Zimbabwe. Zimbabwe has 7-10% renewable energy installed capacity excluding large Hydro. The National renewable energy policy looks to increase this to 27% capacity by 2030. ResQ Energy will work with regulatory authorities and policy makers in ensuring the attainment of these goals. - Share knowledge and advocate for renewable energy technologies in all sectors and industries focusing on the Private sector switch to renewables. 		
<p>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.</p> <ul style="list-style-type: none"> - Conduct research or facilitate research projects in access and generation of clean energy technologies and disseminate results, including lobbying and advocating to key stakeholder groups, policy makers and the community to adopt renewable energy and its technologies. - Get assistance in implementing major energy generating projects in renewable energy infrastructure solar, biogas, wind, hydro and other clean energy sources. - Becoming the bridge that links Government organizations, and international Organizations as the facilitators of sustainable development within the nation and trade with other nations 	January 2022- ongoing	
<p>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.</p> <ul style="list-style-type: none"> - Provide off grid solar installations for the medical facilities, rural growth points and small towns. - Engage with international Development institutions in ensuring that the SDGs are met. Be part of the planning implementation monitoring and evaluation process of the UNSDCF - Provide a package for Greening of medical Facilities, Zimbabwe's Top medical Facility project for off Grid solar solution USD (\$900 000) Energy efficient LED light replacement, energy efficient laundry solutions (\$200000) and Environmentally friendly Waste management solutions for the hospital, the Asher \$350000 - Acquire funding 60 million Dollars for implementation of the Ruwa city center project (building a green city on 30acres of land) project has been approved by local councils and owners of the land. 	November 2021- ongoing	

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].*

Outcome	Date
<p>ResQ energy will ensure that we work towards achieving the outcomes as in Zimbabwe's UNSDCF:</p> <ul style="list-style-type: none"> - <i>By 2026 all Zimbabweans especially women and girls especially in vulnerable communities benefit from equitable and quality social services and protection</i> - <i>By 2026 all Zimbabweans benefit from greater environmental stability and robust food systems in support of healthy lives and equitable, sustainable and resilient livelihoods</i> - <i>By 2026, all people in Zimbabwe, especially the most vulnerable and marginalized, benefit from more inclusive and sustainable economic growth with decent employment opportunities.</i> - <i>By 2026, all people in Zimbabwe, especially the most vulnerable and marginalized, benefit from more accountable institutions and systems of rule of law, human rights and access to justice.</i> <p>ResQ will also expect the below outcomes:</p> <ul style="list-style-type: none"> - Strong Private Public Partnerships [PPP] between multiple private companies and the Government of Zimbabwe working on delivering clean energy to the rural population in Zimbabwe. - Consequent knowledge transfer on renewable energy that will result in having empowered youth in leadership positions, and driving the process of the energy transition process in Zimbabwe, developing policies, monitoring and enforcing it. 	by 2026

- Access to Clean energy for over 5 000 000 people in the rural areas, in 50 Growth Points[rural business centers] byb 2030.	
- Poverty Reduction and empowerment of women and the girl child, given access to clean energy for cooking - More efficient access to health facilities and services because of stable energy and lighting provision.	by 2026
- Green city center constructed with eco-friendly buildings, off grid renewable energy access and LED lighting installations, including waste management and medical facilities as well. - Green cities with total renewable energy access, sourced from solar farms, and also other off grid independent installations, and eco friendly Resource Recovery Asher waste management systems and One hundred thousand trees planted. By 2025. - Waste to energy plant	by 2026
- Partnerships with international funding organizations as a project management conduit for multiple projects, with clear management and reporting systems - Research reports and lessons from Monitoring and Evaluation on the application of renewable energy innovations in Zimbabwe.	2026

SECTION 4: REQUIRED RESOURCES AND SUPPORT

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

- **Becoming the bridge that links Government organizations, and international Organizations us\$200 000**
- **Establishing solar farms for energy access for 50 rural business centers, the local hospital and the nearby schools; US\$50 000 000**
 - **Engage with international leaders in the Energy industry to get transference of knowledge transference to implement large scale energy projects to implement the nation and trade with other nations**
 - **The construction of Ruwa project (building a green city on 30acres of land) project which has been approved by local councils and owners of the land. US\$60 000 000**
 - **Research and development, Monitoring, evaluation and learning to ensure that the SDGs are met with the UNSDCF US\$200 000**
 - **Provide a package for Greening of medical Facilities, based on this quote for 1 top medical facility in Zimbabwe: for off Grid solar USD\$800 000, Energy efficient LED light replacement,\$200 000, Energy efficient laundry solutions (\$200 000) and Environmentally friendly Waste management solutions for the hospital and its community, the Asher \$350000**

4.2. [For countries only] In case support is required for the actions in section 2, please select from below and describe the required support and specify for which action.

[Examples of support for Member States could include: Access to low-cost affordable debt through strategic de-risking instruments, capacity building in data collection; development of integrated energy plans and energy transition pathways; technical assistance, etc.]

<input type="checkbox"/> Financing	Description
<input type="checkbox"/> In-Kind contribution	Description
<input type="checkbox"/> Technical Support	Description
<input type="checkbox"/> Other/Please specify	Description

SECTION 5: IMPACT

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

As part of the ACFTA we hope our operations will have spanned across Africa. Starting with Zimbabwe, Botswana, Namibia, Zambia and Malawi and spanning the continent. We hope to impact the lives of 20 million by 2030

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]

Energy is the foundation of all human activity and productivity. Providing clean affordable energy will improve livelihoods, take care of the environment but also set the foundation for us to achieve the SDGs. As a result the actions ResQ will take will address 16 of the 17 SDGs in the following ways:

1 No poverty, 2 Zero Hunger

The creation of green Jobs in our activities will contribute to reducing Poverty in communities

3 Good health and wellbeing

Advocating for the circular economy and positive waste management practices will increase the health and well being of communities. Rehabilitating hospitals around Zimbabwe to achieve SDG3

4 Quality education

Through the implementation of sensitization programs in green technologies, efficient waste management practices and modern energy solutions. ResQ will also facilitate the electrification of schools and access to quality education through providing Internet services for the above schools. Establishing learning stations in each of the schools.

5 Gender Equality

Women empowerment. In our operations ResQ has a Woman Led business focus. As project managers we endeavor to work with Woman Led organizations and women Engineers.

6 Clean water and sanitation

Water is a right. ResQs Journey towards the SDGs is deeply rooted in our work with the preservation and efficient use of this finite resource.

7 Affordable and Clean Energy

Keeping with our Vision. Sustainable energy solutions to all SD7 is our foundational goal for success. ResQs main thrust is provide Sustainable energy solutions for all and this will be done through the implementation of renewable energy innovations.

8 Decent work and Economic Growth

Through our activities we will provide green Jobs and an opportunity for growth and learning to the Zimbabwean people. ResQ will also advocate for ACFTA in Zimbabwe and ensure we work with local and regional partners to help economic growth in the region

9 Industry Innovation and Infrastructure

Modernisation of cities and rural areas. Building of green infrastructure and sustainable cities. This will be in ResQ energys business plan.

10 Reduced inequalities

Empowerment of low income households and the rural community where 76% of the population are in poverty.

11 Sustainable cities and communities

Ruwa CBD project will be a green city. ResQ intends on green up cities in Zimbabwe. ResQ will also advocate for ecosystem based adaptation in cities. Saving wetlands and natural parks. .

12 Responsible production and consumption

Efficient waste/resource management practices will be advocating for responsible production and consumption which will lead us to achieving a circular economy

13 Climate action

ResQ energy applies a climate lens to all our activities. As a company in the energy industry we are aware that human productivity in mining, agriculture and manufacturing have an adverse effect on the environment. It is our focus to apply ESG principles to our business activity decision making. We will also advocate for the same principles to be applied in the private sector, and work with Government, ministry and local regulatory authorities in the application of the same.

14

15 Life on Land

ResQ Energy advocates for Ecosystem based adaptation. This is in the greening of cities and restoring of natural ecosystems on land which are teeming with various species.

16 Peace, Justice and strong institutions

ResQ will work with various regulatory institutions to ensure a just accountability framework that will hold, all stakeholders accountable for their actions in climate related activities.

17 Partnerships for the Goals

ResQ Energy focuses on maintaining partnerships with all stakeholder groups in achieving the Sustainable development

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]

The Paris Agreement states goal is to limit global warming to well below 2 degrees preferably 1.5 degrees. To achieve these targets ResQ Energy will focus on activities focusing on climate change mitigation and adaptation. ResQ will also focus on advocating for the circular economy and using ecosystem based adaptation solutions to climate adaptation in the country.

Zimbabwe National Determined Contributions was revised in 2021 and ResQ energy uses these contribution and ZUNSDCF as the benchmark of our activities: ResQ energy will advocate for building climate resilience through nature based solutions in electricity generation, we will also advocate for ecosystem based adaptation in cities especially most vulnerable and low income households. In line with Zimbabwe's NDC ResQ will work to improve adaptation and mitigation measures across all sectors and industries focussing on power generation using renewable energy sources, Energy efficiency, water usage and advocating circular economy in waste management practices..

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.

Monitoring the quality and performance of equipment is a critical function which will be taken seriously through developing a Monitoring and Evaluation framework. To enable effective monitoring to take place, a baseline is required for each project. Therefore, baseline data will be collected before installation of each project, to identify the critical variables which fulfill the SDGs and which improve people's lives on the ground. We would definitely want to utilize the United Nations Monitoring, Evaluation Accountability and Learning framework. This will be done at project inception so that all review and monitoring results will feed into project improvement. However, this system may also be used still to monitor performance of both equipment and the project.

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

I.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

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

I.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.

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

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

II.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.

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

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

III.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.

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

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

IV.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.

V.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

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

V.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

Achieving Sustainable development by the multi industrial delivery of sustainable energy innovations to developing Africa

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)

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

Joshua Mukwena,00263 786 932 972, jbmukwena@gmail.com

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.