



# SAVANNAH ENERGY



**Savannah Energy  
Sustainability Accounting  
Standards Board  
Report 2022**



## Sustainability Accounting Standards Board Report

The Sustainability Accounting Standards Board (“SASB”) is an independent standards-setting organisation that supports reporting standards for companies to identify, manage and communicate sustainability information to their stakeholders. This inaugural report references SASB’s reporting framework for the Oil & Gas - Exploration and Production Standard (see <https://www.sasb.org/standards/download/>). All data covers the period of 1 January to 31 December 2022, unless otherwise noted. It includes all of Savannah Energy PLC’s (“Savannah”, “the Company” or “the Group”) wholly and partially-owned entities as at 31 December 2022.

In accordance with the SASB Standards Application Guidance section 2.2, certain information is not included in this report to the extent the information is not considered relevant or material to the business or is not currently collected in a manner wholly correlative with the related SASB metric. Where possible we have shared alternative information that we believe may be insightful.

### **Basis of reporting**

In 2022 we have chosen to adopt the net equity basis for emissions reporting purposes, having previously reported our emissions on an operational control basis. In practical terms, as we had operational control over all of our hydrocarbon assets in previous reporting periods this resulted in Savannah reporting 100% of all of our assets’ emissions as our own. However, as we prepare to incorporate additional assets into our portfolio, where for example, we may not have operational control, our previous approach to emission accounting would have resulted in our emissions being under reported by Savannah. Accordingly, our environmental emissions data is expected to be reported on an equity share basis for all assets where we have a financial interest, regardless of whether we have operational control or not. This is consistent with the World Resources Institute Greenhouse Gas Protocol (Equity Share Approach) and is also in line with our financial reporting. Where we refer to 2021 emissions in this report, we have restated them according to our new equity share organisational reporting boundary standard. Data relating to socioeconomic contributions, health and safety, and employees will continue to be reported on a 100% basis for all assets.



Accounting metric		Savannah disclosure
<b>Activity metrics</b>		
<b>EM-EP-000.A</b>	<b>Production of:</b> <ul style="list-style-type: none"> <li>Oil.</li> <li>Natural gas.</li> <li>Synthetic oil.</li> <li>Synthetic gas.</li> </ul>	Net production in 2022 averaged. <ul style="list-style-type: none"> <li>0.8 Kbpod.</li> <li>116.2 MMscfd.</li> <li>Not applicable.</li> <li>Not applicable.</li> </ul>
<b>EM-EP-000.B</b>	<ul style="list-style-type: none"> <li>Number of offshore sites.</li> </ul>	<ul style="list-style-type: none"> <li>None.</li> </ul>
<b>EM-EP-000.C</b>	<ul style="list-style-type: none"> <li>Number of terrestrial sites.</li> </ul>	<ul style="list-style-type: none"> <li>Eight onshore sites.</li> </ul>
<b>Greenhouse gas emissions</b>		
<b>EM-EP-110a.1</b>	<ul style="list-style-type: none"> <li>Gross global Scope 1 emissions.</li> <li>Percentage methane.</li> <li>Percentage covered under emissions-limiting regulations.</li> </ul>	<ul style="list-style-type: none"> <li>71,543 metric tonnes CO<sub>2</sub>e.</li> <li>Not reported.</li> <li>None.</li> </ul>
<b>EM-EP-110a.2</b>	<b>Amount of gross global Scope 1 emissions from:</b> <ul style="list-style-type: none"> <li>Flared hydrocarbons.</li> <li>Other combustion.</li> <li>Process emissions.</li> <li>Other vented emissions.</li> </ul>	<ul style="list-style-type: none"> <li>28,612 metric tonnes CO<sub>2</sub>e.</li> <li>42,912 metric tonnes CO<sub>2</sub>e.</li> <li>None.</li> <li>None.</li> </ul>



	<ul style="list-style-type: none"> <li>Fugitive emissions.</li> </ul>	<ul style="list-style-type: none"> <li>19 metric tonnes CO<sub>2</sub>e.</li> </ul>
EM-EP-110a.3	<ul style="list-style-type: none"> <li>Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets and an analysis of performance against those targets.</li> </ul>	<ul style="list-style-type: none"> <li>Savannah does not currently have targets regarding Scope 1 emissions. However, we are committed to the responsible stewardship of our assets and operations by reducing our emissions where deemed possible and appropriate.</li> </ul>
Air quality		
EM-EP-120a.1	<p><b>Air emissions of the following pollutants:</b></p> <ul style="list-style-type: none"> <li>NO<sub>x</sub> (excluding N<sub>2</sub>O).</li> <li>SO<sub>x</sub></li> <li>Volatile organic compounds (VOCs).</li> <li>Particulate matter (PM<sub>10</sub>).</li> </ul>	<p>At our Accugas subsidiary in Nigeria we monitor local air quality and meteorological conditions which includes NO<sub>x</sub>, SO<sub>x</sub>, VOCs and PM concentrations in the air (ppm). The SASB disclosure requires reporting of metric tonnes per pollutant - which requires measurement of the concentration and volume of gas emitted from our operations. This is not currently measured or calculated.</p> <ul style="list-style-type: none"> <li>See above.</li> <li>See above.</li> <li>Not reported.</li> <li>Not reported.</li> </ul>
Water management		
EM-EP-140a.1	<ul style="list-style-type: none"> <li>Total fresh water withdrawn.</li> <li>Total fresh water consumed.</li> <li>Percentage of each in regions with High or Extremely High Baseline Water Stress.</li> </ul>	<ul style="list-style-type: none"> <li>Not Reported.</li> <li>11,314m<sup>3</sup></li> <li>Zero.</li> </ul>
EM-EP-140a.2	<ul style="list-style-type: none"> <li>Volume of produced water and flowback generated.</li> </ul>	<ul style="list-style-type: none"> <li>1,353m<sup>3</sup></li> </ul>





	<ul style="list-style-type: none"> <li>Percentage discharged.</li> <li>Percentage injected.</li> <li>Percentage recycled.</li> <li>Hydrocarbon content in discharged water.</li> </ul>	<ul style="list-style-type: none"> <li>Zero.</li> <li>Zero.</li> <li>Zero.</li> <li>Zero (No discharged water).</li> </ul>
EM-EP-140a.3	<ul style="list-style-type: none"> <li>Percentage of hydraulically fractured wells for which there is public disclosure of all fracturing fluid chemicals used.</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable as Savannah does not operate any hydraulically fractured wells.</li> </ul>
EM-EP-140a.4	<ul style="list-style-type: none"> <li>Percentage of hydraulic fracturing sites where ground or surface water quality deteriorated compared to a baseline.</li> </ul>	<ul style="list-style-type: none"> <li>Not applicable as Savannah does not operate any hydraulically fractured wells.</li> </ul>
<b>Biodiversity impacts</b>		
EM-EP-160a.1	<ul style="list-style-type: none"> <li>Description of environmental management policies and practices for active sites.</li> </ul>	<ul style="list-style-type: none"> <li>All active hydrocarbon production sites have an Environment Management Plan (“EMP”) that is in line with Savannah’s Environmental Policy. In addition, all hydrocarbon production sites that are in or near sites with protected conservation status or endangered species habitats have a Biodiversity Action Plan (“BAP”).</li> </ul>
EM-EP-160a.2	<ul style="list-style-type: none"> <li>Number and aggregate volume of hydrocarbon spills.</li> <li>Volume in Arctic, volume impacting shorelines with ESI ranking 8-10, and volume recovered.</li> </ul>	<ul style="list-style-type: none"> <li>Zero hydrocarbon spills greater than 1 bbl.</li> <li>Not applicable. Savannah does not operate in the Arctic.</li> </ul>



EM-EP-160a.3	<ul style="list-style-type: none"> <li>Percentage of proved and probable reserves in or near sites with protected conservation status or endangered species habitat.</li> </ul>	<ul style="list-style-type: none"> <li>The only country in which we have operations which are in or near sites with protected conservation status or endangered species habitats is Nigeria. For Nigeria, the percentages are 100% for both proved and probable reserves.</li> </ul>
Security, human rights and rights of indigenous people		
EM-EP-210a.1	<ul style="list-style-type: none"> <li>Percentage of proved and probable reserves in or near areas of conflict.</li> </ul>	<ul style="list-style-type: none"> <li>Zero per cent as Savannah does not operate in or near areas of conflict as designated by SASB. Our hydrocarbon reserves in Nigeria are located in Akwa Ibom State in South-East Nigeria, while the areas of conflict in Nigeria are located in the Northern part of the country.</li> </ul>
EM-EP-210a.2	<ul style="list-style-type: none"> <li>Percentage of proved and probable reserves in or near indigenous land.</li> </ul>	<ul style="list-style-type: none"> <li>Zero.</li> </ul>
EM-EP-210a.3	<ul style="list-style-type: none"> <li>Discussion of engagement processes and due diligence practices with respect to human rights, indigenous rights and operation in areas of conflict.</li> </ul>	<ul style="list-style-type: none"> <li>We take a constructive and positive approach to working with local communities, seeking to maintain good relationships with them all. Regular engagement meetings are held with the local communities in which we operate to discuss and manage any concerns. These meetings also help us keep local stakeholders updated as we progress our operations and projects. This process is also applicable to our local project contractors who engage with the communities as often as required. The regular interaction, through both formal and informal engagement meetings with local stakeholders, allows us to address any actual and/or perceived issues or concerns they may have, ensuring that our social licence to operate is maintained. The participatory principle is always applied and, where it operates, Savannah deploys the stakeholder engagement and grievance management procedures in all engagement forums.</li> <li>We recognise the security challenges in the regions where we operate. Savannah’s main focus is identifying the security risks which our people and business face and putting in place plans to mitigate these risks. In 2022, we continued to conduct</li> </ul>



		<p>regular security risk and threat assessments for our areas of operation and project locations, both for predictive and preventive purposes. We also continued to refine and develop our crisis management and emergency response planning, while a portion of our training is related to maintaining management capabilities in response to an emergency. Our Asset Protection Team, tasked with continually monitoring security threats and risks, works closely with local and host governments to conduct conflict analysis in our operational and project areas. In ensuring safety, as well as in engaging with all our stakeholders, we are committed to acting in accordance with internationally-recognised human rights standards. Savannah has a stringent set of policies, regulations and work practices, underpinned by our Human Rights Policy and our Code of Ethics. We do not address indigenous rights as we do not operate in or near indigenous land.</p>
<p><b>Community relations</b></p>		
<p><b>EM-EP-210b.1</b></p>	<ul style="list-style-type: none"> <li>• <b>Discussion of process to manage risks and opportunities associated with community rights and interests.</b></li> </ul>	<ul style="list-style-type: none"> <li>• In Nigeria, in terms of the management of risks, we create a profile of the community that may be affected by a project or activity, and identify and evaluate their issues, concerns and impacts. From the register of issues and concerns identified, we conduct an assessment of risks associated with them to determine their level of significance. Through this assessment, a Social Risk Management Plan is developed and managed proactively to ensure that community rights and interests are protected.</li> <li>• In Niger, an agreement for the management of environmental and social risk is in place with the Ministry of the Environment. An Environmental and Social Management Plan (“ESMP”) sets out the mitigation and/or improvement measures required to manage the impacts of our operational activities. Although not yet operational, monitoring activities are recorded and an environmental report is sent every six months to both the Ministry of the Environment and the National Office of Impact Studies. The co-ordination, monitoring and implementation of the ESMP is a key priority for both the local regulators and Savannah’s local management team.</li> <li>• In terms of the management of opportunities associated with community rights and interests, it is Savannah’s policy to give first consideration to local people in our</li> </ul>



		<p>areas of operation. We also believe that promoting local employment and development opportunities drives prosperity. Savannah operates a global procurement policy across the Group as we have a significant supply chain impact. In 2022 we spent US\$22.9 million with local contractors and suppliers. For example, Savannah launched our ‘Green Team’ initiative in 2015, which involves local youths drawn from the Akwa Ibom and Cross River States who help to maintain and monitor the rights of way to our gas pipelines in Nigeria.</p> <p>In terms of our social impact investment, we are proactive in our approach with a focus on delivering social impact projects which develop local skills and foster economic self-sufficiency, as well as improve local living conditions through a range of social, health and education initiatives. In Nigeria, we have commenced the implementation of the Host Community Development Trust Fund (“HCDTF”) in line with the provisions of the Petroleum Industry Act (“PIA”), recently enacted into law. The HCDTF is set up with 3% of operating expenditure from the preceding year to address the development needs of our host communities. We have secured provisional approval from a government regulatory agency to register the HCDTF for Accugas.</p>
EM-EP-210b.2	<ul style="list-style-type: none"> <li>• <b>Number and duration of non-technical delays.</b></li> </ul>	<ul style="list-style-type: none"> <li>• Zero.</li> </ul>
<b>Workplace health &amp; safety</b>		
EM-EP-320a.1	<p><b>Average hours of health, safety, and emergency response training for:</b></p> <ul style="list-style-type: none"> <li>• <b>Full-time employees.</b></li> <li>• <b>Contract employees.</b></li> <li>• <b>Short-service employees.</b></li> <li>• <b>Total recordable incident rate (“TRIR”).</b></li> <li>• <b>Fatality rate.</b></li> <li>• <b>Near miss frequency rate (“NMFR”).</b></li> </ul>	<p>Total and average hours of health, safety and emergency response training:</p> <ul style="list-style-type: none"> <li>• Total 837 hours (average 3.65 hours per employee).</li> <li>• Total 24 hours (average 0.14 hours per contractor).</li> <li>• Total training hours for employees and contractors: 861</li> <li>• Not reported.</li> <li>• 0.68 (number of incidents per 200,000 man hours).</li> <li>• Zero.</li> <li>• 0.11 (number of incidents per 200,000 man hours).</li> </ul>



EM-EP-320a.2	<ul style="list-style-type: none"> <li>• Discussion of the management system used to integrate a culture of safety throughout the exploration and production lifecycle.</li> </ul>	<ul style="list-style-type: none"> <li>• Savannah ensures a high standard of health, safety, environment and security throughout our operations, underpinned by our extensive policies, procedures, systems and controls. Our high standards are the result of our strong health, safety environment and security culture and mindset, focused on continuous improvement. We regularly assess our performance, plan improvements, take appropriate actions and review the effectiveness of the measures implemented.</li> </ul>
Reserves valuation & capital expenditure		
EM-EP-420a.1	<ul style="list-style-type: none"> <li>• Sensitivity of hydrocarbon reserve labels to future price project scenarios that account for a price on carbon emissions.</li> </ul>	<ul style="list-style-type: none"> <li>• Not currently reported.</li> </ul>
EM-EP-420a.2	<ul style="list-style-type: none"> <li>• Estimated carbon dioxide emissions embedded in proved hydrocarbon reserves.</li> </ul>	<ul style="list-style-type: none"> <li>• 15,254,572 metric tonnes.</li> </ul>
EM-EP-420a.3	<ul style="list-style-type: none"> <li>• Amount invested in renewable energy.</li> <li>• Revenue generated by renewable energy sales.</li> </ul>	<ul style="list-style-type: none"> <li>• US\$763,174 invested in the reporting year following the establishment of Savannah’s Renewable Energy Division in late 2021.</li> <li>• No revenue generated in the reporting year.</li> </ul>





Business ethics & transparency		
EM-EP-510a.1	<ul style="list-style-type: none"> <li>Percentage of proved and probable reserves in countries that have the 20 lowest rankings in Transparency International’s Corruption Perception Index.</li> </ul>	<ul style="list-style-type: none"> <li>Zero.</li> </ul>
EM-EP-510a.2	<ul style="list-style-type: none"> <li>Description of the management system for the prevention of corruption and bribery throughout the value chain.</li> </ul>	<ul style="list-style-type: none"> <li>Savannah’s Anti-Bribery, Anti-Corruption and Anti-Money Laundering Policy is central to our management system to prevent corruption and bribery. All employees undertake mandatory training on an annual basis. We seek to ensure our partners, contractors and suppliers meet the same requirements, and conduct audits of their compliance.</li> </ul>
Critical risk incident management		
EM-EP-540a.1	<ul style="list-style-type: none"> <li>Process Safety Event (“PSE”) rates for Loss of Primary Containment (“LOPC”) of greater consequence (Tier 1).</li> </ul>	<ul style="list-style-type: none"> <li>Zero.</li> </ul>
EM-EP-540a.2	<ul style="list-style-type: none"> <li>Description of the management system used to identify and mitigate catastrophic and tail-end risks.</li> </ul>	<ul style="list-style-type: none"> <li>Savannah’s Corporate Health and Safety management system meets the requirements of the relevant industry regulations, standards and guidelines. These include the International Association of Oil and Gas Producers (“IOGP”) and the International Standards Organisation (“ISO”). We continuously review and update our management system. Savannah has implemented additional measures to identify Major Accident Hazards (“MAHs”) and control and mitigate any associated risks.</li> </ul>