Woodside- UNRMS Study Case

Identification and prioritization of actions that contribute to the Sustainable Development Goals of the 2030 Agenda
Background: UNFC-Mexico Pilot Test- 2019
Applying -UNFC-UNRMS

Decarbonization and Sustainability Roadmap

**United Nations Framework Classification for Resources (UNFC)**

Classification of resources based on the maturity of the projects in a certain time

**United Nations Resource Management System (UNRMS)**

System for the sustainable management of resources in the life of a project
International and National Framework related with the Sustainability- Mexico

Corporate Vision of Woodside Energy in Favor to the Climate Change and the Sustainability

Sustainable Resource Management Oil and Gas Projects-through UNFC and UNRMS standards

Harmonization with the local priorities

Comments and next steps
International an National Framework related with the Sustainability- Mexico
• Paris Agreement on Climate Action
• Escazú Natural Resources Agreement
• 2030 Agenda for Sustainable Development
• Mexico commitments to mitigate greenhouse gases - Nationally Determined Contributions (NDC)
• Agenda 2030 in México - National Council Agenda 2030
• Subnational Government Council Agenda 2030 Tamaulipas
• Oil and Gas Industry Commitment-IPIECA- International Petroleum Industry Environmental Conservation Association
Corporate Vision of Woodside Energy in Favor to the Climate Change and the Sustainability
Corporate Vision of Woodside Energy in Favor to the Climate Change and the Sustainability

Woodside aims to thrive through the energy transition by building a low cost, lower carbon, profitable, resilient and diversified portfolio. 

Woodside's climate strategy has two key elements: reducing our net equity scope 1 and 2 greenhouse gas emissions and investing in the products and services that our customers need as they secure their energy needs and reduce their emissions.
Corporate Vision of Woodside Energy in Favor to the Climate Change and the Sustainability

SUSTAINABLE DEVELOPMENT GOALS

The United Nations Sustainable Development Goals (UNSDGs) respond to the world’s economic, social and environmental challenges. They provide a globally applicable framework, through which Woodside can identify and articulate its priorities for sustainability.

Our SSG strategy reflects our efforts to support the global sustainable agenda throughout our operations, supply chain, infrastructure and employment opportunities. We categorise our SSGs into three, including primary goals, secondary goals and our underpinning goals. With primary and secondary goals in which we made the most significant contribution. Projects against the drivers in our Sustainable Development Report 2022 is outlined below.
Sustainable Resource Management
Oil and Gas Projects-through UNFC and UNRMS standards
Sustainable Resource Management - UNFC and UNRMS standards (Bridging Document)
Sustainable Resource Management - UNFC and UNRMS standards

Gas MMMpc

Production sold or used

Unused or consumed production in operations

Environmental - socio-economic viability

Technical Feasibility

Degree of confidence

Oil MMBIs

Production sold or used

Unused or consumed production in operations

Environmental - socio-economic viability

Technical Feasibility

Degree of confidence

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RESOURCE MANAGEMENT WEEK 2024 | ASSURING SUSTAINABILITY IN RESOURCE MANAGEMENT | 22-26 April 2024 | Palais des Nations | Geneva
Sustainable Resource Management in Oil and Gas Projects- UNFC and UNRMS standards
Decarbonization Development Strategy:

Northern segment of the Field, with the drilling of a production well and an injection well, Development Plan considers the implementation of two secondary recovery processes from the beginning of exploitation of the Field, through the injection of peripheral water and the injection of gas produced at the top of the structure.

Also, in the Climate Report 2022, Woodside Energy express that in the project definition of Trion project have adopted several measures which would reduce the potential emissions from the project. These include tank vapour recovery, use of nitrogen as the primary flare purge, waste heat recovery, selection of electric drives for major turbines and minimization of spinning reserve. These projects are focused on reducing emissions and improving emissions intensity.

"Trion has an expected carbon intensity of 11.8 kgCO2-e/boe average over the life of the field, which is lower than the global deepwater oil average*, and will be subject to Woodside’s corporate net equity Scope 1 and 2 emissions reduction targets

The global deepwater oil average is 15 kgCO2-e/boe and global oil average is 27 kgCO2-e/boe averaged over the period 2022 to 2032

Sustainable Resource Management in Oil and Gas Projects - UNFC and UNRMS standards

Governance

Illustrative

Ranking

5
We are operating with fully automated internal processes created under a standard methodology.

4
We are operating these activities with partially automated internal processes created under a standard methodology.

3
We are operating these activities with partially automated internal processes created under our own methodologies.

2
We are operating these activities with manual internal processes created under a standard methodology.

1
We are operating these activities with manual internal processes created under our own methodologies.

N/A
There are no established processes for these activities.
Sustainable Resource Management in Oil and Gas Projects - UNFC and UNRMS standards
Sustainable Resource Management in Oil and Gas Projects - UNFC and UNRMS standards
Harmonization with the local priorities
Harmonization with the local priorities

- Homes without water.
- Illiterate population.
- Homes without electricity.
- Low income
- Generation of local employment
- Procurement of goods and services through local contractors
- Material and human damage due to hydrocarbon leakage or spill
- Perception of increased noise and flare gas emission
- Perception of pollution by project activities
THE VIEWS EXPRESSED ARE THOSE OF AUTHORS AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS.

Thank you!

Ulises Neri Flores
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UNECE
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