
Palm Oil Industry to reach Net Zero: A Commitment or a Mission?



**SCALING UP THE SUSTAINABLE PALM OIL
VALUE CHAIN THROUGH COLLECTIVE ACTION**



IOI's Climate Change Action (CCA) Pledge



Sustainability:

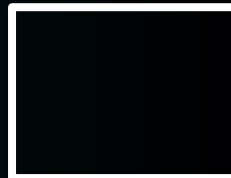
Take actions on any of the issues raised, making it known that the issues are being addressed

No Greenwashing:

Transparent about key decisions & reasons behind them to show that the issue is not being swept to one side

Engagement:

Listening to stakeholders & Understanding their arguments & demands when making key decisions



IOI's CCA Initiative and Net Zero Target

KPI on Climate Change



GHG Emission Intensity reduction Of 40% for Scopes 1 & 2

Benchmarked against 2015 Carbon Intensity Emission



Carbon Neutral for GHG Emission Intensity for Scopes 1 & 2

With further Reforestation & Sequestration considered & minimal offset



Net Zero for Carbon Intensity by 2040

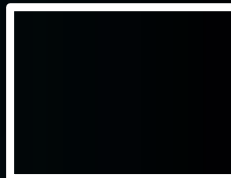
Covering Scopes 1, 2 and 3



GHG emission reduction & removal including storage commitments & increased productivity

Adoption/Application of Technologies and New Innovations

Managing GHG emissions from Supply Chain





Protection of set aside forested areas like HCV areas & HCS forests, riparian reserves & other conservation areas e.g. buffers



No Deforestation & protection of the peatlands through water management and fire prevention



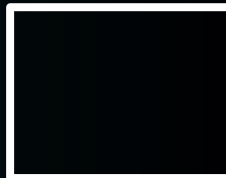
Implement waste management program through **circular economy** principles e.g., methane capture; repurpose OPT, etc.



Adopt regenerative agriculture to enhance soil biodiversity, carbon storage and ecosystem services within our plantations



Monitor operations for source of GHG emissions and develop action plans to mitigate those identified sources of GHG emissions



IOI's Adoption of Technologies and Innovations

Especially those involved in decarbonization



Implement responsible land use planning, precision agriculture using UAV, GPS tracking system, etc. and reduced chemical fertilizer and pesticide usage



Improvement in planting material and agronomy practices including production of high-yielding seedlings for efficient land use and delayed in replanting



Improve energy efficiency using green technology in heating ex. natural gas; cooling ex. energy-efficient Open Loop spray; etc.



Utilization of chemical-free technology in production process like ultra-filtration membrane system in oil filtration & yeast for pH adjustment in wastewater



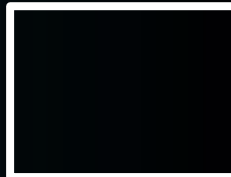
Adopting renewable energy (e.g., solar, co-generation power plants, methane capturing) to supply sustainable energy and eco-productivity for our facilities



Application of advanced digital tools and data analytics to provide real-time information for increasing efficiencies and automation of operational system



Green initiatives - low emissions socio-economic activities (Recycling programs or repurposing waste)



Managing the supply chain



Introduce climate related procurement standards and principles:

Green procurement standard to promote resource efficiency & lower impact on the environment.



Introduce supplier diversity and incentive program:

Long-term buying contracts to encourage partnerships with enterprises that made commitments to shift to lower carbon alternatives e.g., biofuels, solar energy, etc.



Create awareness and capacity building with Suppliers

Through education & collaboration projects or indirect engagement through marketing, social media, publications, etc.



Establish efficient process in green supplier selection

Agreeing to terms, and acquiring goods/services through tendering/bidding.



Thank You

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