



EMPOWERING ALL TOWARD
INCLUSIVE GROWTH

Example of External Impact of OR's Materiality

2026



Impact 1 - Community Development and Social Collaboration



Cause of the impact from OR's Business: Operations, Products/Services with >50% of business activity

External stakeholder(s)/ Impact area(s) evaluated: Society (Coffee farmers, farming households, local communities, farmer groups, and agricultural partners participating in the coffee value chain.)

Topic relevance on external stakeholders: The project contributes to Community Development and Social Collaboration by improving farmers' livelihoods, generating income for local communities, promoting sustainable agricultural practices, and fostering partnerships among stakeholders across the coffee value chain.

External Impacts:

Type of Impact	Output Metric	External stakeholder(s) / impact area(s) evaluated	Impact Valuation	Impact Metric	Reference
Positive	Since 2014, OR has operated the Sustainable Coffee Project to develop sustainable coffee farming while creating income opportunities for farmers and communities. The project promotes responsible sourcing for Café Amazon through Fair Trade practices, digital traceability, and stakeholder collaboration. It also supports forest conservation, biodiversity protection, and value-added processing. In addition, Café Amazon Park serves as a learning and innovation center for sustainable coffee development across the value chain. Quantitative Output • More than 7,500 tons of coffee procured from farmers and communities (2015–2025) • More than 1,600 farmers participated and benefited from the project • More than THB 1.5 billion generated in income for farmers and communities through coffee purchases • 1 coffee learning and R&D center established (Café Amazon Park)	Society Primary stakeholders include coffee farmers, farming households, local communities, farmer networks, and social enterprises participating in the sustainable coffee supply chain.	Increase in household income and livelihood resilience: OR's sustainable procurement model provides farmers with stable market access, Fair Trade-based pricing, and opportunities to improve coffee quality and productivity. The project generates economic value for rural communities while strengthening farmers' knowledge, organizational capacity, and long-term resilience. Strengthening local communities: The project promotes farmer aggregation, community collaboration, sustainable agricultural practices, and local economic development. Environmental co-benefits: Sustainable cultivation practices contribute to forest conservation, biodiversity protection, and climate adaptation while supporting responsible sourcing of agricultural raw materials.	Income generation for farmers and communities: The project has contributed directly to household income creation through sustainable coffee procurement. Between 2015 and 2025, OR purchased more than 7,500 tons of coffee from local farmers and communities, generating over THB 1.5 billion in income for more than 1,600 farmers. Community development: Increased economic opportunities, enhanced farming capabilities, improved community resilience, and strengthened sustainable agricultural value chains.	• Absolute change calculation methodology used. • Sustainable Coffee Project performance data (2015–2025). • OR Sustainability Management and Community Development disclosures. • https://www.pttor.com/en/sustainability/highlights-of-ors-sustainability-management-and-activities/highlight-community-development-and-social-collaboration

Impact 2 – Climate Action



Cause of the impact from OR's Business: Operation/Products/Services/Supply chain with >50% of business activity

External stakeholder(s)/ Impact area(s) evaluated: Society and Environment

Topic relevance on external stakeholders: Greenhouse gas (GHG) emissions not only increase global warming potential but also including those from improvements to public health and the environment due to better air quality. OR operates the business with various business types. Oil business is one of business that generates the high revenue portion. Therefore, OR supports the environmentally friendly products to sell in the market. The example of low carbon emission oil product such as Gasohol E20 (consisting of 80% gasoline and 20% ethanol.)

External Impacts:

Type of Impact	Output Metric	External stakeholder(s)/ impact area(s) evaluated	Impact Valuation	Impact Metric	Reference
Positive	GHG Emission Avoided: GHG emissions 549,601 tCO ₂ e are avoided by using OR's product "Gasohol E20 "	Society	Social cost caused/ avoided: Social Cost of Carbon (SCC). The calculation is based on data from 2025 January until 2025 December which products are sold.	Decreased social cost of carbon by GHG emissions avoided, so improvements to public health and the environment due to better air quality by more than 105 MTHB.	<u>Social Cost of Carbon (SCC):</u> https://www.excise.go.th/cs/groups/public/documents/document/mjaw/mdyx/~edisp/webportal16200061848.pdf Reference: The Excise Department. Knowledge Management (KM): Development of Carbon Tax Legislation.
Positive		Environment	Environmental value lost/gained : Global Warming Potential (GWP)	Decreased Global Warming Potential (GWP) by more than GHG emissions avoided of 549,701 tCO₂e.	<u>Global Warming Potential Impact:</u> https://www.epa.gov/ghgemissions/understanding-global-warming-potentials
Negative	GHG Emission: (Scope 1+2) emission 11,371 tCO ₂ e in PTT Station	Society	Social cost caused/ avoided: Social Cost of Carbon (SCC).The calculation is based on GHG Emission Scope 1+2 of 2025.	Increase social cost of carbon by GHG emission from Scope 1+2. The Social cost of carbon is estimated around 2,183,232 THB to public health.	<u>Social Cost of Carbon (SCC):</u> https://www.excise.go.th/cs/groups/public/documents/document/mjaw/mdyx/~edisp/webportal16200061848.pdf Reference: The Excise Department. Knowledge Management (KM): Development of Carbon Tax Legislation.

Impact 2 – Climate Action (Con't)



Cause of the impact from OR's Business: Operation/Products/Services/Supply chain with >50% of business activity

External stakeholder(s)/ Impact area(s) evaluated: Society and Environment

Topic relevance on external stakeholders: Greenhouse gas (GHG) emissions not only increase global warming potential but also including those from improvements to public health and the environment due to better air quality. OR operates the business with various business types. Oil business is one of business that generates the high revenue portion. Therefore, OR supports the environmentally friendly products to sell in the market. The example of low carbon emission oil product such as PERFORMA SYNTHETIC ECO CAR SAE 0W-20

External Impacts:

Type of Impact	Output Metric	External stakeholder(s)/ impact area(s) evaluated	Impact Valuation	Impact Metric	Reference
Positive	GHG Emission Avoided: GHG emissions 231 tCO ₂ e are avoided by using OR's product "PERFORMA SYNTHETIC ECO CAR SAE 0W-20"	Society	Social cost caused/ avoided: Social Cost of Carbon (SCC). The calculation is based on data from 2025 January until 2025 December which products are sold.	Decreased social cost of carbon by GHG emissions avoided, so improvements to public health and the environment due to better air quality by more than 44,328 THB.	<u>Social Cost of Carbon (SCC):</u> https://www.excise.go.th/cs/groups/public/documents/document/mjaw/mdyx/~edisp/webportal16200061848.pdf Reference: The Excise Department. Knowledge Management (KM): Development of Carbon Tax Legislation.
Positive		Environment	Environmental value lost/gained : Global Warming Potential (GWP)	Decreased Global Warming Potential (GWP) by more than GHG emissions avoided of 231 tCO₂e.	<u>Global Warming Potential Impact:</u> https://www.epa.gov/ghgemissions/understanding-global-warming-potentials
Negative	GHG Emission: (Scope 1+2) emission 250 tCO ₂ e in Lube Distribution Center	Society	Social cost caused/ avoided: Social Cost of Carbon (SCC).The calculation is based on GHG Emission Scope 1+2 of 2025.	Increase social cost of carbon by GHG emission from Scope 1+2. The Social cost of carbon is estimated around 48,000 THB to public health.	<u>Social Cost of Carbon (SCC):</u> https://www.excise.go.th/cs/groups/public/documents/document/mjaw/mdyx/~edisp/webportal16200061848.pdf Reference: The Excise Department. Knowledge Management (KM): Development of Carbon Tax Legislation.

Impact 3 - Community Development and Social Collaboration



Cause of the impact from OR's Business: Operations, Products/Services with >50% of business activity

External stakeholder(s)/ Impact area(s) evaluated: Society

Topic relevance on external stakeholders: Creating opportunities for the community and the society, reduce the risk of business causing impacts to the environment, community, and society and opportunity to integrate social activities into every CSR in Process Projects. The initiative project such as TOGETHER Project: Rak at Tha Sao, CSR projects etc.

External Impacts:

Type of Impact	Output Metric	External stakeholder(s)/ impact area(s) evaluated	Impact Valuation	Impact Metric	Reference
Positive	The TOGETHER Project: Rak at Tha Sao (2022–2025) is a community development initiative by OR in the Songkhla Petroleum Terminal area. It aims to strengthen community self-reliance through fish conservation, livelihood-focused fisheries, and community product development. The project leverages local potential and multi-stakeholder collaboration, while promoting volunteerism and knowledge sharing. Key achievements include fish hatcheries, value-added local products, and eco-tourism development, serving as a model for sustainable, mutually beneficial growth between business and community: • Quantitative Output: - Community income: 83,330 THB - Knowledge transfer: 422+ participants - Environmental impact: 6,000+ fish released The output from the TOGETHER Project: Rak at Tha Sao can be found at https://www.pttor.com/en/sustainability/highlights-of-ors-sustainability-management-and-activities/highlight-community-development-and-social-collaboration	Society	Outcome-based assessment: OR evaluates social, economic, and environmental outcomes through stakeholder engagement and project monitoring, including income generation, knowledge transfer, and ecosystem restoration.	The project generates measurable outcomes including: - Increased income and livelihood opportunities - Strengthened community capacity and self-reliance - Restoration of aquatic ecosystems These outcomes demonstrate positive contributions to the material topic “Community Development and Social Collaboration.” The outcome used as references to calculate the Impact metric can be found at https://www.pttor.com/en/sustainability/social-dimension/community-development-and-social-collaboration	• OR Sustainability Report Highlight: Community Development and Social Collaboration – OR



**EMPOWERING ALL TOWARD
INCLUSIVE GROWTH**

OR เติมเต็มโอกาส เพื่อทุกการเติบโต ร่วมกัน

*Harnessing OR
competencies to support,
fulfill, and elevate*

*Sustainable growth
with Living Community,
Healthy Environment, and
Economic Prosperity*

*Moving forward with
strong determination and
leaving no one behind*

*6 groups of
OR stakeholders*