

Towards
Net Zero



Global Compact
LEAD
2021 PARTICIPANT

Understanding Climate Change as Business Drivers

SET ESG Webinar Series: Business & Climate Change

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Economic, Environmental and Social Impact of Climate Change on Businesses

Policy and Legal

- Increased pricing of GHG emissions
- Mandates on and regulation of existing products and services
- Exposure to litigation
- Enhanced emissions-reporting obligation

Markets

- Decarbonizing supply chain
- Changing customer behavior
- Increased cost of raw materials

Reputation

- Shifts in consumer preferences
- Increased stakeholder concern or negative stakeholder feedback



Technology

- Costs to transition to lower emissions technology
- Substitution of existing products and services with lower emissions options

Acute Physical Risks

- Increased severity of extreme weather events

Chronic Physical Risks

- Rising mean temperature
- Rising sea levels
- Changes in precipitation patterns and extreme variability in weather patterns

Climate Resilience is an Integral Part of CPG 2030 Sustainability Framework



To be a leading tech and innovative conglomerate, providing food for body and mind that creates shared value and brings health and well-being for all

Three-Benefit Principle

Sufficiency
Economy Philosophy

C.P. Excellence
Management Approach

The 10 UNGC Principles
17 UN SDGs & UNGP

Regulations
and Standards

Heart: Living Right



CORPORATE GOVERNANCE



HUMAN RIGHTS & LABOR PRACTICES



EDUCATION & INEQUALITY REDUCTION



LEADERSHIP & HUMAN CAPITAL DEVELOPMENT



CYBER SECURITY & DATA PROTECTION

Health: Living Well



HEALTH & WELL-BEING



SOCIAL IMPACT & ECONOMIC CONTRIBUTION



FOOD SECURITY & ACCESS TO NUTRITION



INNOVATION



STAKEHOLDER ENGAGEMENT

Home: Living Together



CLIMATE RESILIENCE



CIRCULAR ECONOMY



WATER STEWARDSHIP



ECOSYSTEM & BIODIVERSITY PROTECTION



RESPONSIBLE SUPPLY CHAIN MANAGEMENT

Enabled by Partnerships, Capability, and Culture of Sustainability



Increase energy efficiency



Use renewable energy



Reduce/Stop using "dirty energy"



Afforestation



Carbon reduction in agriculture

Net Zero Emissions and Zero Food Waste & Waste to Landfill by 2030



Reduce over production



Food waste for consumption



Food waste for animal feed



Reuse



Zero food waste to landfill

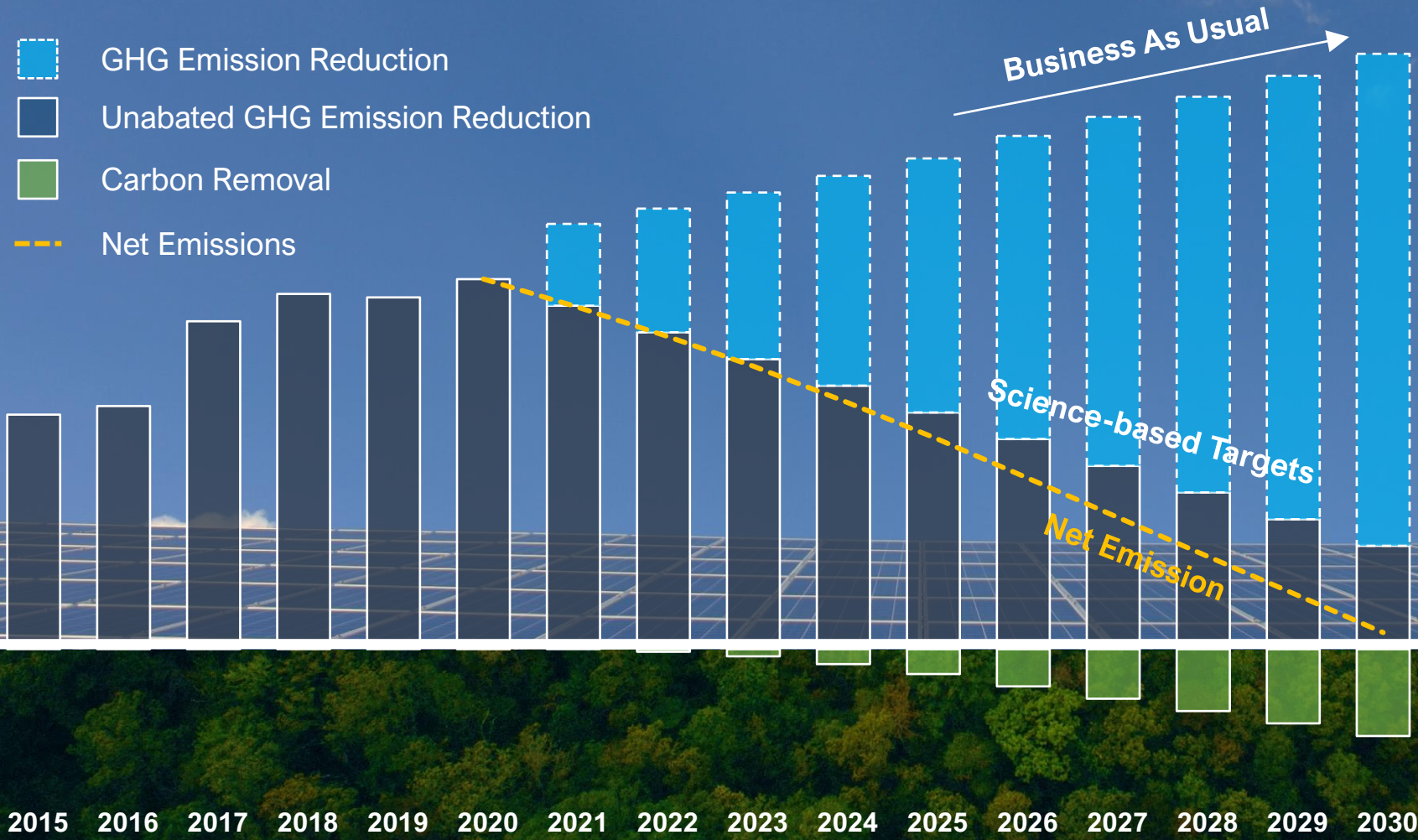
C.P. Group commits to Science-based Net Zero Target Setting

 GHG Emission Reduction

 Unabated GHG Emission Reduction

 Carbon Removal

 Net Emissions



Renewable Energy



Energy Efficiency



Waste Management



Green Logistics



Nature-based Solutions

2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

Circular & Climate Resilience Value Chain

Biomass

Using biomass as a substitute for fossil fuel.



Coal free

CP Foods Coal Free by the year 2022, It will significantly reduce Green House Gas (GHG) emissions by more than 70,000 tons CO₂e per year.



Organic Fertilizer

Increase soil fertility Both the amount of organic matter and increase beneficial microorganisms in the soil.



Green Planting

Build capacity for maize farmers for sustainable maize production.



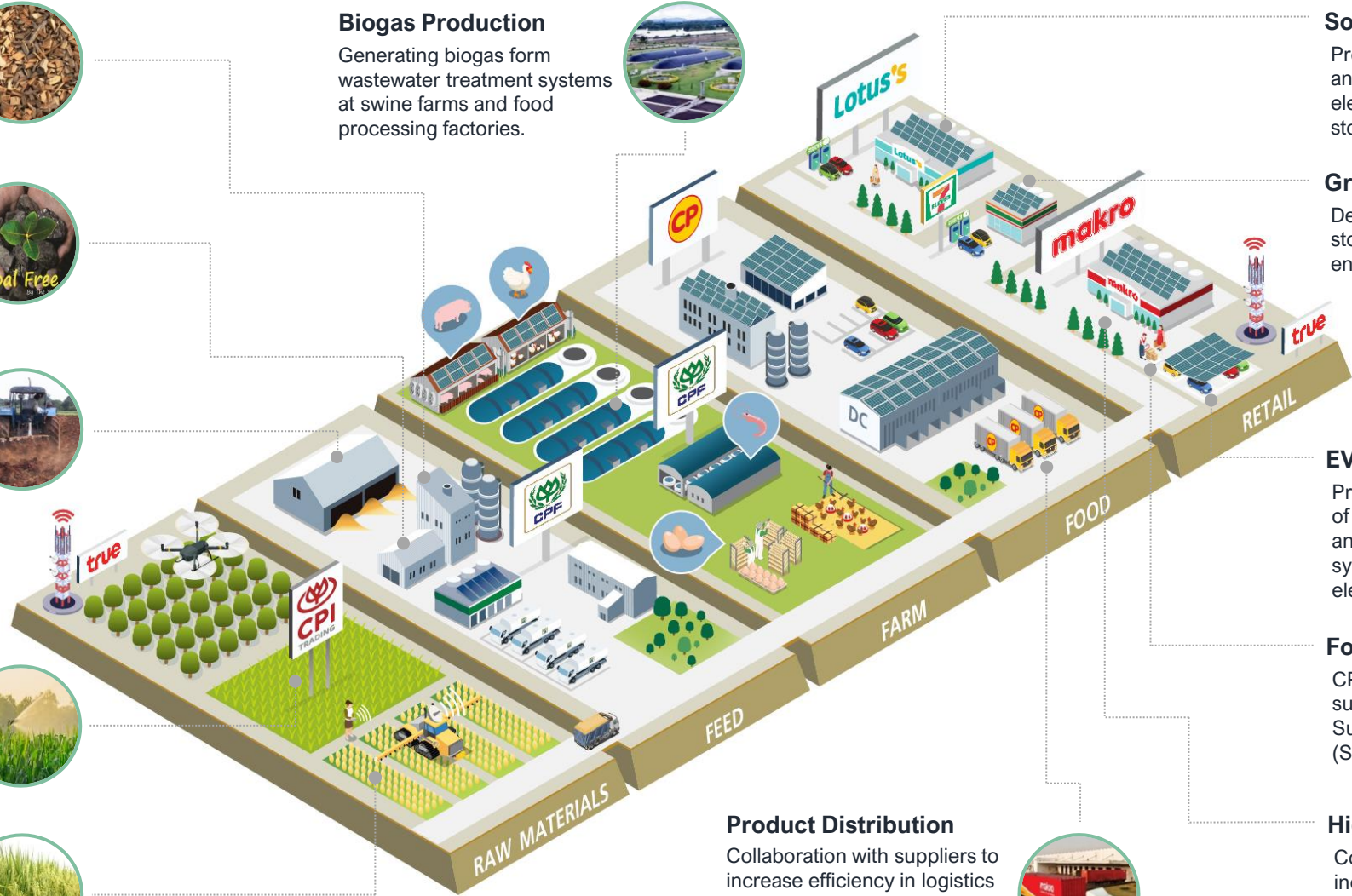
Methane Reduction Emission

Reducing Methane Emissions from Rice Cultivation.



Biogas Production

Generating biogas from wastewater treatment systems at swine farms and food processing factories.



Solar Rooftop Stores

Promote clean energy use and reduce the cost of electricity used in 7-11 stores.



Green Store

Development of 7-eleven stores focused on energy saving.



EV Charging Station

Promote the establishment of public charging stations and develop a management system for high-efficiency electric chargers.



Food Donation

CPALL & Lotus's donating surplus food to Scholars of Sustenance Foundation (SOS).



Product Distribution

Collaboration with suppliers to increase efficiency in logistics by modifying containers.



High Efficiency Chiller

Conserve energy and increase the energy efficiency of air conditioning and cooling systems.



Mitigation Technologies for Food Production



Raw Materials



On-farm Machinery and Equipment



Rice Paddy Water Management



Precision Farming



No-till Farming



Block Chain Traceability



Organic Compost



Feed



Eco-friendly Feed



Biomass



Natural Gas



Solar Rooftop



Variable frequency drive on blower and pump



Economizer in Boiler



Farm



Biogas



Solar Rooftop



Solar Floating



Fertilization



Heat pump application



Automatic control ventilation system



Food



Cogeneration



Solar Rooftop



High Efficiency Refrigeration System



Waste Heat Recovery



High Efficiency Compressed Air System



Automatic Control Combustion

Low-Carbon Agricultural Products



Pork

~28%

Lower than average



Chicken Meat

~50%

Lower than average



Duck Meat

~13%

Lower than average



Rice

~12%

Lower than average

Data Sources:

1. The Food and Agriculture Organization of the United Nations
2. Rural Industries Research and Development Corporation, Australia Government
3. Average emissions of Thai Hom Mali Rice from TGO Database

Decarbonizing our retail and telecommunication business



Solar Rooftop

2,462
7-Eleven Stores
20
DCs
70
Makro Stores
48
Lotus's Stores
3,238
Sites



Green Store

12,432
7-Eleven Stores

- A/C Inverter
- LED Lighting
- Double Glass Vault Room Refrigerator



EV Charging Station

104
7-Eleven Stores
100
Lotus's Stores



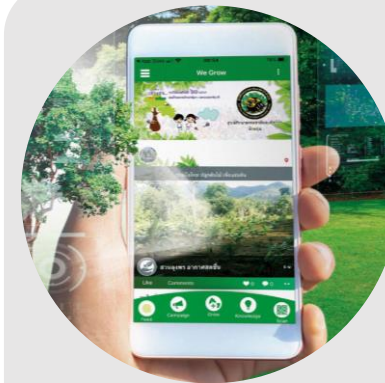
Green Hypermarket

High Efficiency Chiller
17
Makro Stores
Green Refrigerants For Refrigeration Cabinet
130
Makro Stores



True Virtual World

Platform to support online communication for working from home and online learning.



We Grow Application

6,078,495
Trees
 Trees Planted and Shared via We Grow Application (2016-2020)

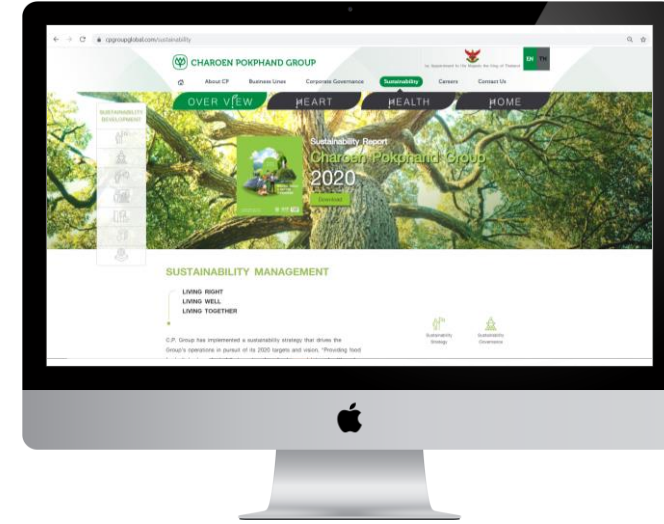
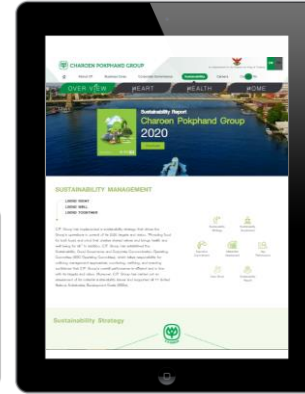
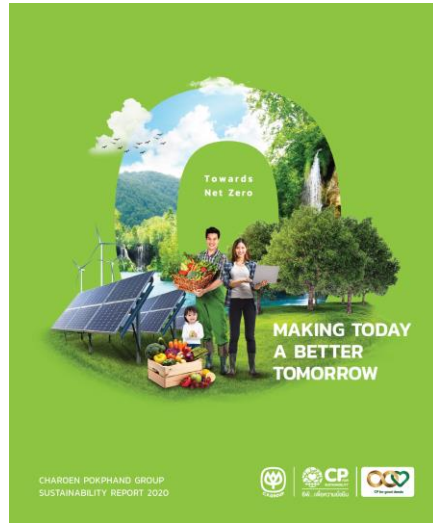
KEY SUCCESS FACTORS

1. Leadership Commitment:

Tone at the top and walk the talk



2. Transparency: Transparency of commitment and information



Completeness



Materiality



Stakeholder Engagement



External Environment



External Assurance



Balance



Conciseness & Alignment



Sustainability Governance



Strategy



Implementation & Controls



Targets & Commitments



Performance



Partnerships & Collaborations



Evidence of Activities

*** Criteria from WBCSD's Reporting Matters Project**

3. Collaboration & Inclusion:

Communicate and engage with stakeholders



C.P. Group's collaboration and partnerships for climate change and sustainable development

Global Compact **LEAD** 2021 PARTICIPANT

UN GLOBAL COMPACT Network Thailand

wbcscd

CDP DISCLOSURE INSIGHT ACTION

RACE TO ZERO

BUSINESS AMBITION FOR **1.5°C** OUR ONLY FUTURE

SCIENCE BASED TARGETS DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

Caring for Climate

WORLD ECONOMIC FORUM

UN GLOBAL COMPACT CLIMATE AMBITION ACCELERATOR

FReSH

YOUNG WORLD **one**

หอกการค้าไทย THE THAI CHAMBER OF COMMERCE

สภาหอการค้าแห่งประเทศไทย BOARD OF TRADE OF THAILAND

carbon neutral network

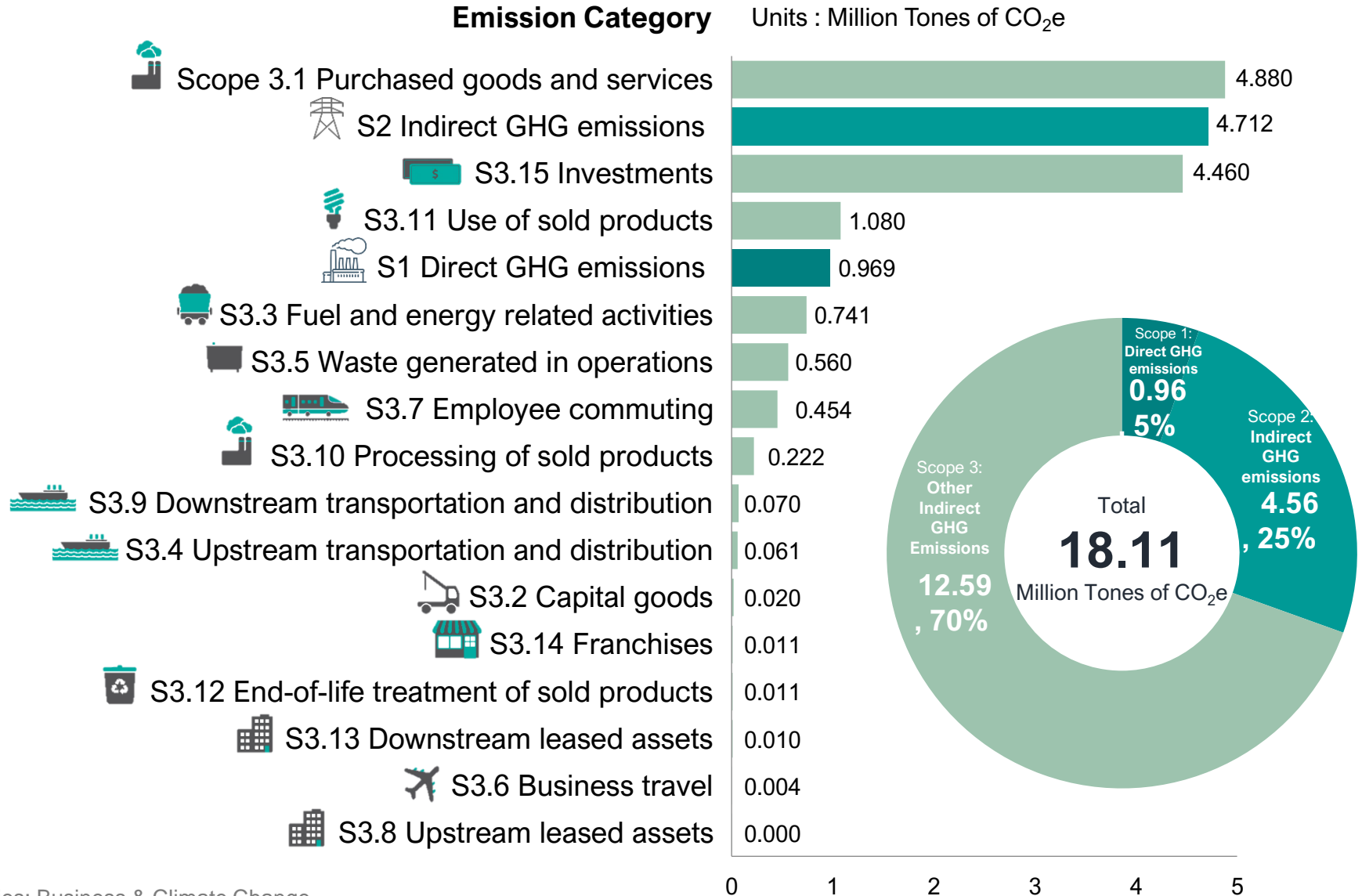
CARBON Markets Club

4. No “One Size Fits All”:

Ongoing learning and adjustment to core processes and approached



Selection and prioritization of mitigation measures based on GHG accounting



5. Innovation & Technology:

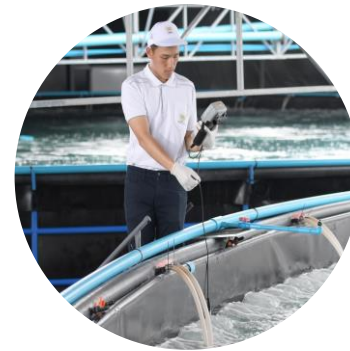
Leverage disruptive technologies and new business models



Process Innovation



Renewable Energy



Water Recycle



Waste to Composting



Product & Service Innovation



The meat that is made from plants



TRUE IoT



Eco-Friendly Feed



Business Model Innovation



Circular Agriculture



Renewable Energy - Related Business



Low-Carbon Supply Chain



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SGC-Sustainability Development
Sustainability, Good Governance and
Corporate Communications Office, C.P. Group
<https://www.cpgroupglobal.com/sustainability>

