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## Key takeaways

Singapore has the potential to become a regional sustainability innovation and financing hub for Southeast Asia (SEA)

Given its educated workforce and status as a financial hub, Singapore can spearhead many sustainability initiatives for the rest of the region. It can pilot infrastructural reforms, lead digitalization efforts, and become a trading hub for new financial instruments.



Growing momentum to achieve 2030 emission targets, which would represent a decrease in absolute annual emissions from 2018 levels

Singapore is pushing to keep emissions below 65 million tons by 2030 through regulating carbon emissions and developing into a smart city. In line with government commitments, businesses are also answering the call with 7 Science Based Targets initiative (SBTi) signatories since 2020 (10 total) and multiple others with Net Zero targets as soon as 2022. Singapore's 2030 absolute annual emissions, emissions per capita, and emissions intensity for GDP are expected to decrease compared to 2018.

Green investment space maturing across asset categories, particularly private equity/venture capital (PE/VC)

Singapore's green investment space is relatively mature for the region. It leads the region in debt issuances, PE/VC fundraising and deals, and infrastructure investments, but initial public offerings (IPOs) and corporate investments have decreased in 2020.



# Singapore has the potential to become SEA's regional sustainability innovation and financing hub

Key opportunities:



## Solar energy infrastructure

Natural gas supplies 95% of Singapore's energy. Singapore is making efforts to tap into its limited renewables resources; in 2021, the world's largest floating solar farm was installed. Investments in grid technologies, storage, and fuel switching (e.g., advanced batteries, green hydrogen) will accelerate the island nation's clean energy transition.



## Food transition through agri-tech

Singapore aims to produce 30% of local nutritional needs by 2030 – an aim made more urgent by Covid-19. To address this, the \$60 million Agri-Food Cluster Transformation Fund was established. With further investments into urban farming technologies and alternative-proteins, Singapore can become a global R&D<sup>2</sup> and innovation hub for food tech.



#### Availability of green financing

Singapore is already a leading financial hub and can extend its offerings to the region, where opportunities abound but green financing infrastructure is nascent. While ~\$5 billion in green debt was issued in 2020, greater focus is required on transition finance and increasing private sector buy-in using blended financing and take-out facilities.



#### Carbon trading hub

Climate Impact X is proof of Singapore's carbon trading hub ambitions. Its next steps are enhanced carbon pricing initiatives (to support a higher price) and incentives for nature-based offsets. Businesses that build up the holistic carbon markets value chain (MRV,<sup>1</sup> assurance, and project development) can participate most actively.



## Smart city innovations

Building and transport innovations can significantly cut emissions. District cooling systems, energy efficiency assets, and digitalization can help operators manage and optimize consumption. Electrification in transportation, through investing in electric vehicle fleets and charging infrastructure, is another step in becoming a smart city that businesses can invest in.



### Digital supply chains

Global businesses are starting to decarbonize their supply chains, which increasingly stem from SEA. Singapore's status as a regional trading hub and leader in technological innovations makes it ideal for piloting supply chain digitalization and traceability projects.



# Growing momentum to achieve 2030 emissions targets

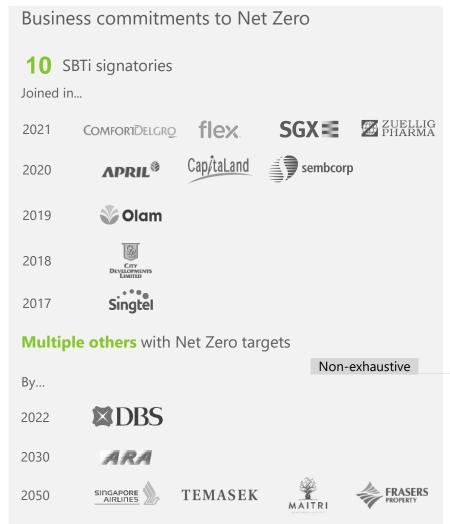
Governmental policies for climate change

Net Zero target 65 MtCO<sub>2</sub>e absolute emissions target by 2030 price/tCO<sub>2</sub>e of **carbon tax** (operational since 2019) **15%** to be renewables by 2030 of total installed capacity of new parks by 2030

Landmark moves in the past year

In 2021



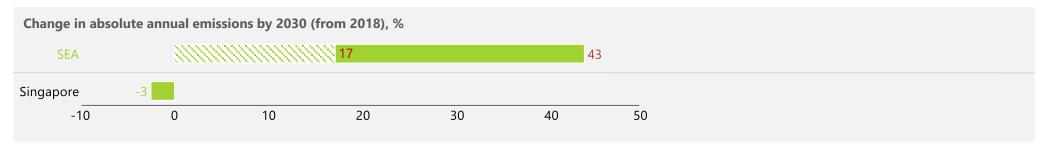




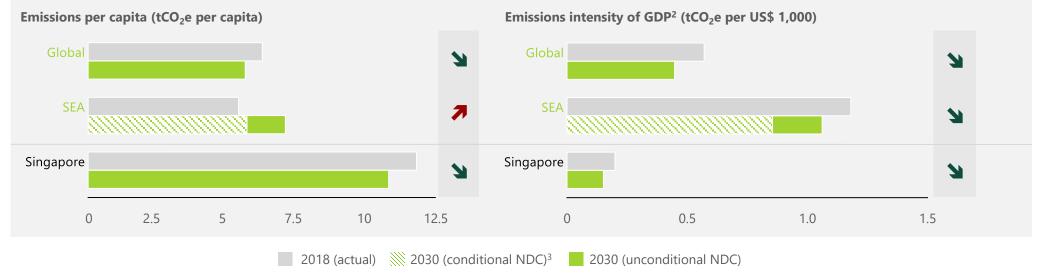
From 2018 to 2030, Singapore's absolute annual emissions expected to decrease amidst increase for SEA overall, and emissions intensities set to fall

Based on latest NDC targets

Singapore's absolute annual emissions set to decrease by 2030 from 2018, amidst increasing SEA<sup>1</sup> overall emissions



Singapore's emissions per capita and emissions intensity of GDP both set to decrease from 2018 to 2030, though the former remains higher than both global and SEA overall



# SINGAPORE ncludes funds raising capital for environmental and social sustainability objectives Assets under management (AUM); 2. Compounded annua growth rates; 3. Total value of asset category and GDP only includes SEA countries with available data; 4. Excludes investments <\$15 million; 5 Excludes investments <\$10 Sources: Climate Bonds; Asia Assets Domicile; Dealogic Pitchbook; Capital IQ; AVCJ; Pregin; World Bank

# Green investment space maturing across asset categories, particularly PE/VC

PE/VC activity (fundraising and deals) increased significantly; Singapore is the regional leader in both categories

In 2020, green investments were spread out across more industries, although Energy was the most attractive sector

Large declines in green IPO, corporate investments, and infrastructure spending

