Secure Basic Needs

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Rising seas pose existential threats to Hong Kong, we must adapt to thrive

80% of water supply
can be disrupted by rising seas as the key pumping station at Muk Wu is low-lying
(1bn m^3 of water supply analysed)

55% of cold storage
facilities for food analysed are low-lying so rising seas threatens Hong Kong's food security
(66 facilities analysed)

99.9% of power generation
installed capacity located in the SAR are low-lying, threatening Hong Kong's electricity supply
(11,251MW installed capacity analysed)

73% of data centres
analysed are low-lying. This could cut off Hong Kong's internet access as well as business operations
(81 centres analysed)

100% of bunkering
facilities for oil are low-lying so rising seas also threatens Hong Kong's energy security and position as a marine hub
(7 terminals analysed)

>50% of sewage treatment
plants are low-lying disrupting sewage treatment for various districts
(68 plants analysed)

Source: CWR analyses based on IPCC AR6; Digital Terrain Model (5m) & Topography Map from the Lands Department of Hong Kong; Water Supplies Department; Census & Statistics Department of Hong Kong; Marine Department; Hong Kong Centre for Food Safety; Data Center Map; Drainage Services Department.

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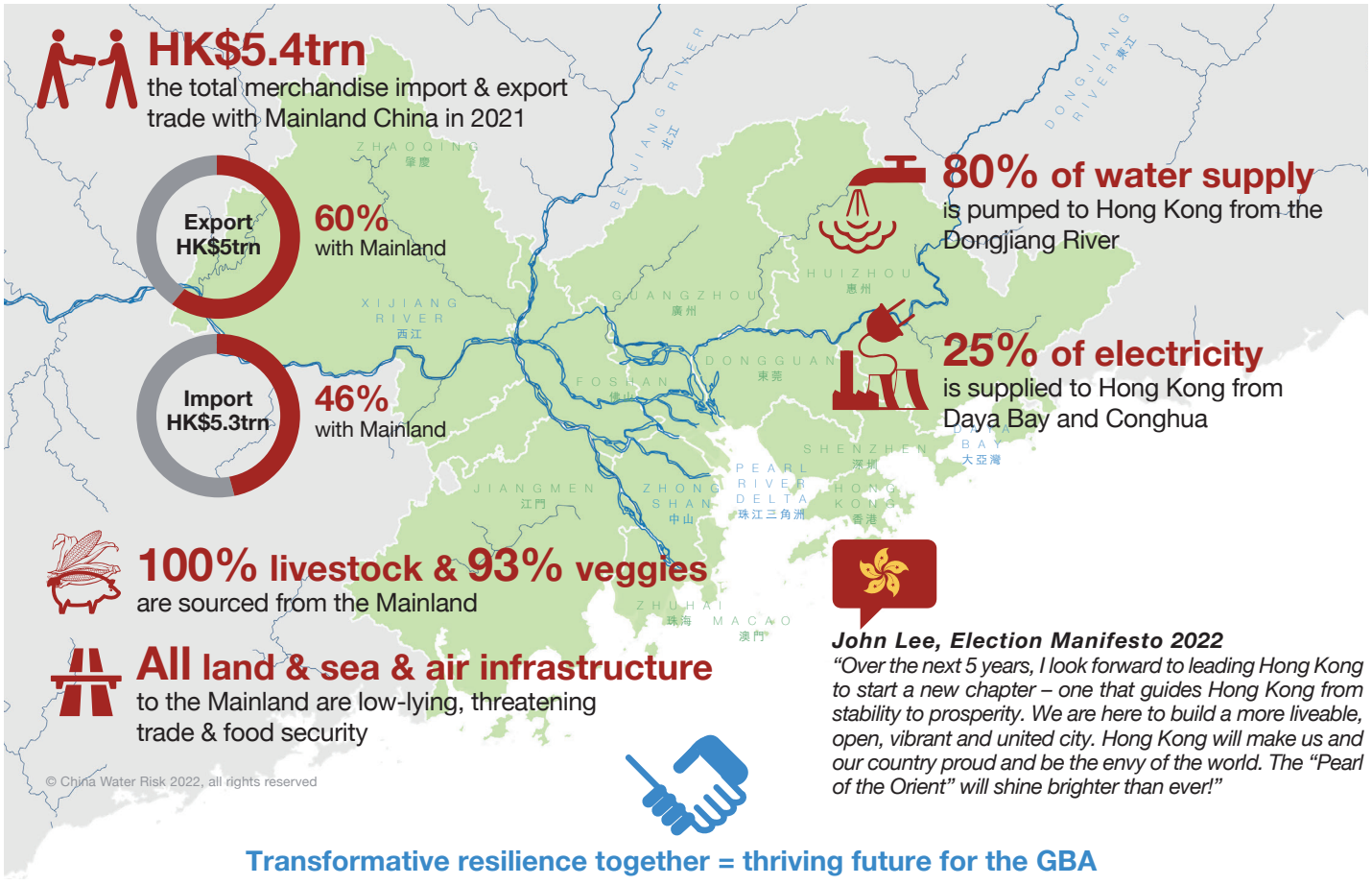
Reliance on Mainland China = building GBA resilience together

There's no denying existential climate threats ahead. We must get on top of "*what will kill us*" so that we can figure out "*what will keep us alive*". Climate science is fast-evolving and with threats advancing, we must adapt to survive and thrive. The interdependence of Hong Kong and Mainland China from trade to basic needs like food, water and electricity supply means that the HKSAR cannot be climate resilient without working together with other cities in the Greater Bay Area (GBA). The shared climate threats in the GBA are grave but they also provide Hong Kong with a once-in-a-lifetime opportunity to "Re-IMAGINE" and build a prosperous city that is climate ready and resilient as well as carbon neutral.

We look forward to this new chapter: "new Hong Kong" will need to be brave and lean into the climate threats ahead to surface new opportunities and revenue streams. The HKSAR can be transformed into Asia's premier adaptation centre – providing world class coastal engineering and nature-based coastal defence services as well as innovative adaptation financing. HK can still shine brighter than ever and be the envy of the world!



John Lee, Election Manifesto 2022

"Over the next 5 years, I look forward to leading Hong Kong to start a new chapter – one that guides Hong Kong from stability to prosperity. We are here to build a more liveable, open, vibrant and united city. Hong Kong will make us and our country proud and be the envy of the world. The "Pearl of the Orient" will shine brighter than ever!"

Transformative resilience together = thriving future for the GBA

There is still time to futureproof Hong Kong to avoid Atlantis. To thrive, we must start now with an adaptation roadmap that is flexible, regenerative and inclusive to cope with deep climate uncertainties ahead. Since every aspect of SAR residents' lives will be impacted, a holistic "all-of-HK" approach towards transformative resilience is needed. Inter-reliance with the GBA means an "all-of-GBA approach" is equally urgent. It's time for us to Re-IMAGINE HK – one that thrives with the GBA. It's time to build a safe and stable Beautiful China together. We must not fail.

Homes	Northern Met	HK Property
Trade	Connectivity	HK Revenues
	Re-IMAGINE	

Source: CWR analyses based on IPCC AR6; Digital Terrain Model (5m) & Topography Map from the Lands Department of Hong Kong; Census & Statistics Department of Hong Kong – Hong Kong in Figures 2022 & Hong Kong Energy Statistics Annual Report 2021; Water Supplies Department; Legislative Council Secretariat Factsheet, Regulation of imported food in Hong Kong 2016; Customs & Excise Department; Chief Executive's Election Manifesto 2022.

ASSESS

Understand the new risk landscape | Assess water & climate threats | Identify clustered risk hotspots & compound risks

STRATEGIZE

Align ESG & risk strategies | Plan sensible net zero & resilience strategies | Leverage risks to identify opportunities

ADAPT

Protect & prepare for locked-in climate impacts | Ideate flexible innovations | Be ready to survive & thrive

CWR

Contact us: info@chinawaterrisk.org

We drive the global water & climate risk conversation with…

ipcc · CDSB Climate Disclosure Standards Board · TCFD Task Force on Climate-Related Financial Disclosures · CDP · PRI Principles for Responsible Investment · HKGFA · FECO · IRENA International Renewable Energy Agency · SEATIES

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