CITY OF NANAIMO
THE HARBOUR CITY

REIMAGINE NANAIMO in THE DOUGHNUT ECONOMICS FRAMEWORK

Presentation to the Environment Committee
2021-JAN-27

CITY OF NANAIMO
THE HARBOUR CITY

Council Motion from 2020-DEC-14:

"That the City of Nanaimo adopt the Doughnut Economic Model as a cohesive vision for all City initiatives and planning processes; and that a city portrait for Nanaimo be created to scale down the doughnut economics framework, that the city portrait be blended with the REIMAGINE NANAIMO process and that appropriate measurable targets and indicators relevant to the community be identified and included in the framework to track progress."

Image Credit: https://doughnuteconomics.org/

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Image Credit:
https://doughnuteconomics.org/Creating-City-Portraits-Methodology.pdf

A "City Portrait" - Looks at local-social and ecological indicators and contrasts it to the global-social and ecological impacts that result from the economic choices of the community

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WHAT WOULD IT MEAN FOR AMSTERDAM TO RESPECT THE HEALTH OF THE WHOLE PLANET?

OCEAN ACIDIFICATION

CITY TARGET
Reduce the city's in-boundry CO_2 emissions to 55% below 1990 levels by 2030, and to 95% below by 2050.[72]

CO_2 dissolved in seawater has increased the level of ocean acidity by 30% since the beginning of the Industrial Revolution.[73]

EXCESSIVE FERTILIZER USE

The Dutch agricultural sector is responsible for 61% of the total amount of nitrogen emissions, mainly caused by fertilizers.[51]

OVERFISHING

Fish consumption has more than doubled in the Netherlands since 1990, putting the country in the top 25% of fish-consuming nations in the world.[70,71]

FRESHWATER WITHDRAWALS

The Netherlands has the highest water footprint in Europe, with almost 90% of total water consumption embedded in imports such as meat, cotton and food.[67,68,69]

CLIMATE CHANGE

CITY TARGET
Reduce the city's in-boundary CO_2 emissions to 55% below 1990 levels by 2030, and to 95% below by 2050.[72]

In 2017, Amsterdam's in-boundary CO_2 emissions were 31% above 1990 levels. Furthermore, 63% of the city's total CO_2 emissions are produced beyond city boundaries, embedded in the building materials, food and consumer products that the city imports.[74,75]

AIR POLLUTION

50-60% of air pollution in China is associated with products and services that are exported to other countries including the Netherlands.[76]

OZONE-LAYER DEPLETION

Since 1986, global use of ozone-depleting substances has declined by over 90%.[77]

WASTE GENERATION

CITY TARGET
Amsterdam aims to have a 50% reduction in the use of primary raw materials by 2030, and be a

AIR

OCEAN ACIDIFICATION CLIMATE CHANGE

EXCESSIVE FERTILIZER USE

1.9   1.9

1.8

AIR POLLUTION

A THRIVING CITY

OVERFISHING

SOCIALLY JUST AND ECOLOGICALLY SAFE

OZONE-LAYER DEPLETION

FRESHWATER WITHDRAWALS

2.6

WASTE GENERATION

EXCESSIVE LAND USE   LAND

EXCESSIVE LAND USE

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	SOCIAL	ECOLOGICAL
LOCAL	What would it mean for the people of this city to thrive?	What would it mean for this city to thrive within its natural habitat?
GLOBAL	What would it mean for this city to respect the wellbeing of people worldwide?	What would it mean for this city to respect the health of the whole planet?

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Related Current Plans & Indicators

- Regional Growth Strategy Annual Update
- Affordable Housing Strategy
- Health & Housing Action Plan
- Economic Development Strategy
- GIS Mapping of Land Use/Parks
- Forest Canopy Cover
- Water Quality Indicators
- Community GHG Emission Levels

Source: Regional District of Nanaimo 2019 Summary of Indicators

Source: Capital Regional District 2019 RGS Indicator Report

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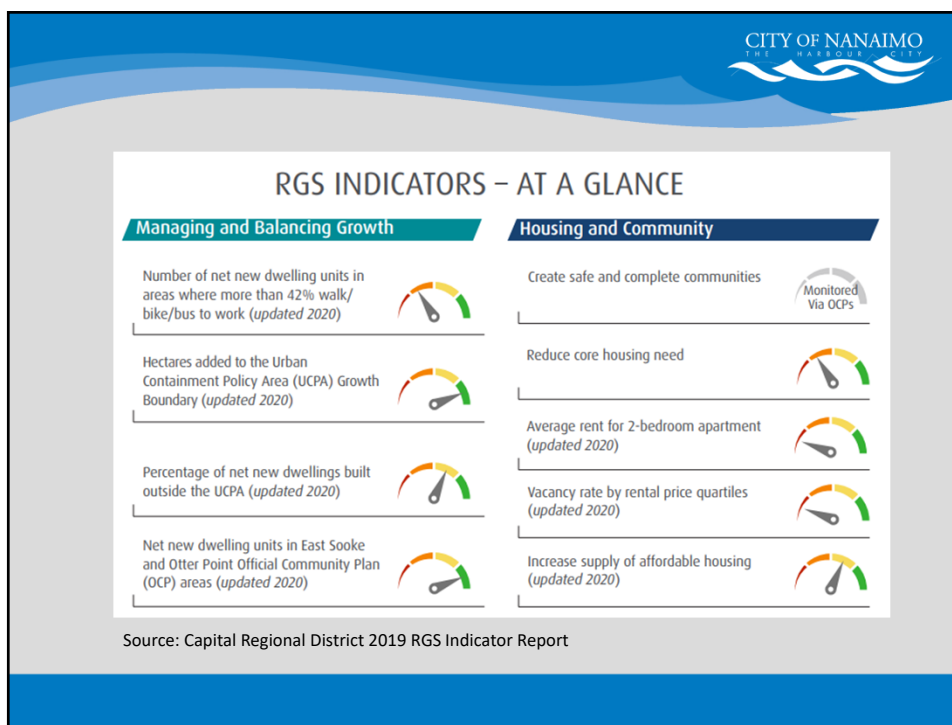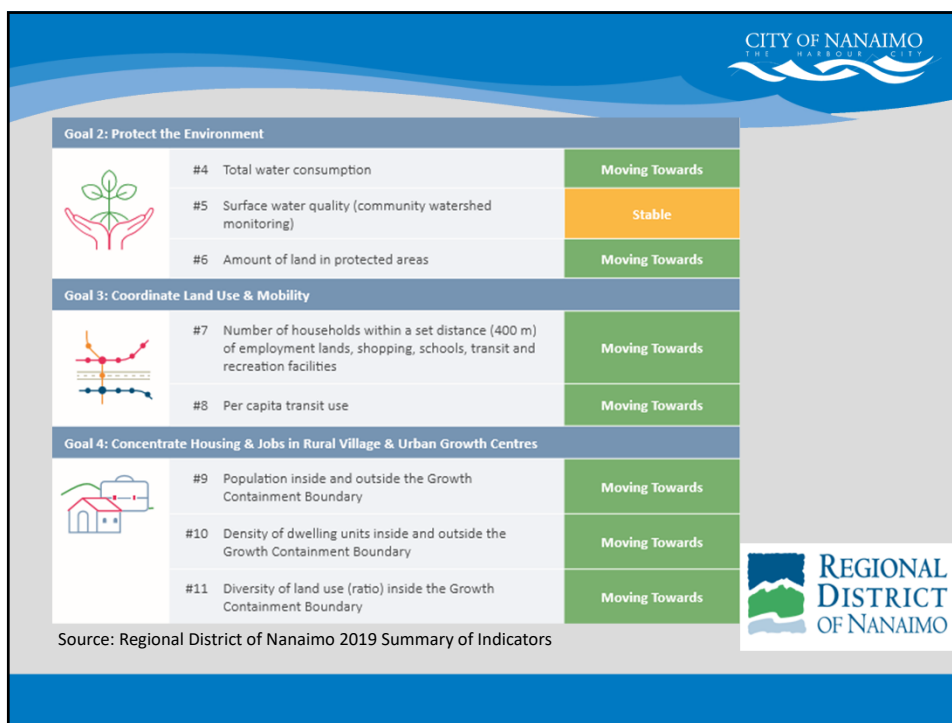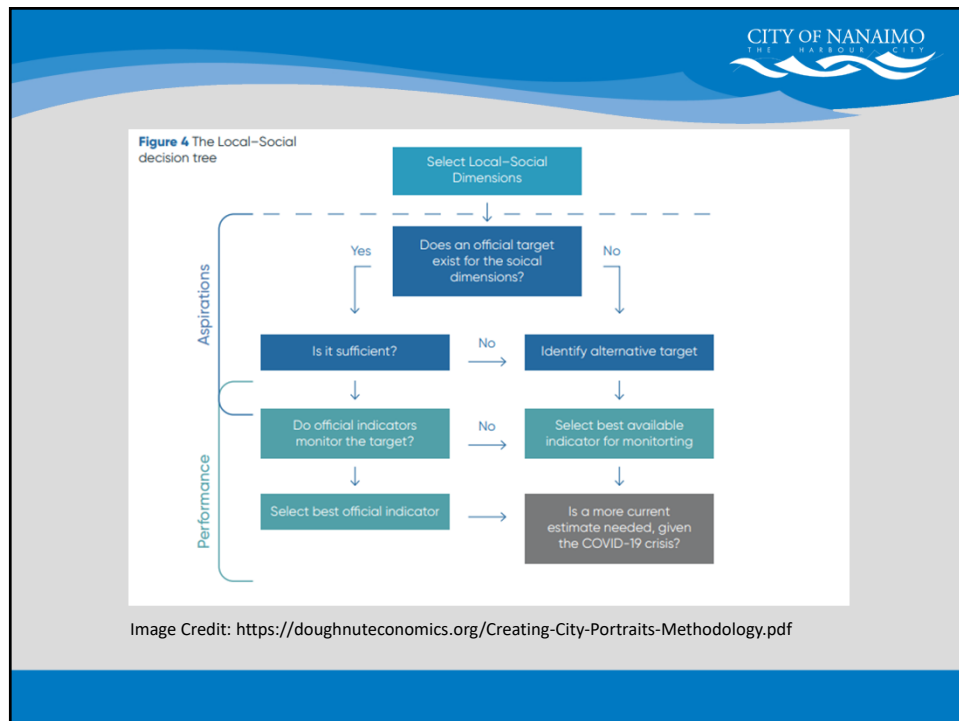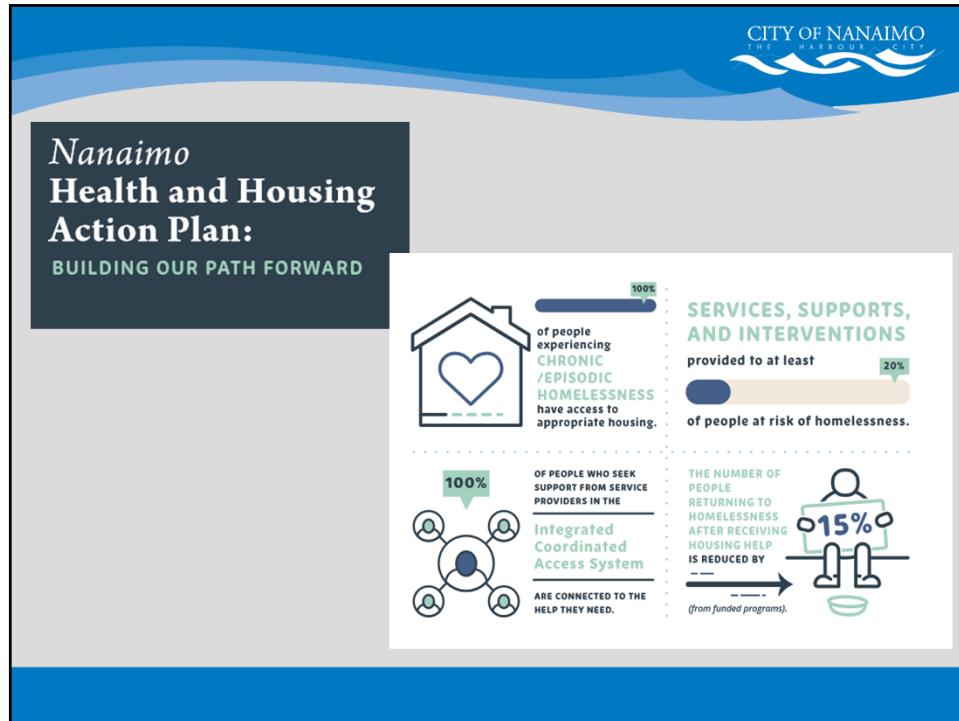
NEXT STEPS:

- Analysis of Phase 1 Engagement for community priorities

- Review of relevant existing plans and documents for key indicators

- Consultation with key staff on potential innovative approaches

- Using the tools developed by DEAL to develop unique Nanaimo portrait

A THRIVING CITY
HEALTHY
CONNECTED
SOCIAL FOUNDATIONS
EMPOWERED
ENABLED
SOCIALLY JUST AND ECOLOGICALLY SAFE

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THE HARBOUR CITY

Questions / Discussion