

MANCHESTER DISTRICT SUSTAINABLE LOW CARBON CONCEPT

01_PRECEDENTS



Dedicated bike lane system, New York (source: <https://ny.curbed.com/2019/1/24/18195667/concerns-over-e-bike-scooter-legislation-at-council-hearing-line-calls-bike>)



Combine heat and power (CHP), Peking City, China (source: <https://www.powermag.com/optimizing-combined-heat-and-power-in-china/>)



Urban Farming, Havana, Cuba (source: www.citylab.com/life/2016/01/cuba-urban-agriculture/433884/)

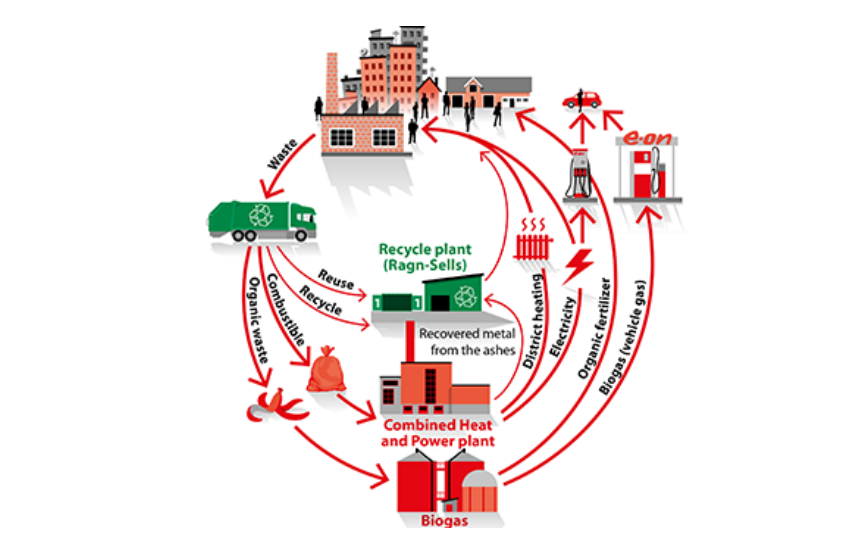


DP Solar, Calgary, AB (source: <https://www.dpenergy.com/projects/solar/canada-deerfoot-solar-park-alberta/>)

02_SYSTEMS



We aim to introduce a short term hourly bike rental system (modelled after the Bixi system in Montreal) (source: <https://dailylife.com/monreal/monreal-designed-bike-street/>)



District energy is supplied through waste to energy combined heat and power system (source: <https://unisonenergy.com/cloppoverview/dpa-wellcity/>)

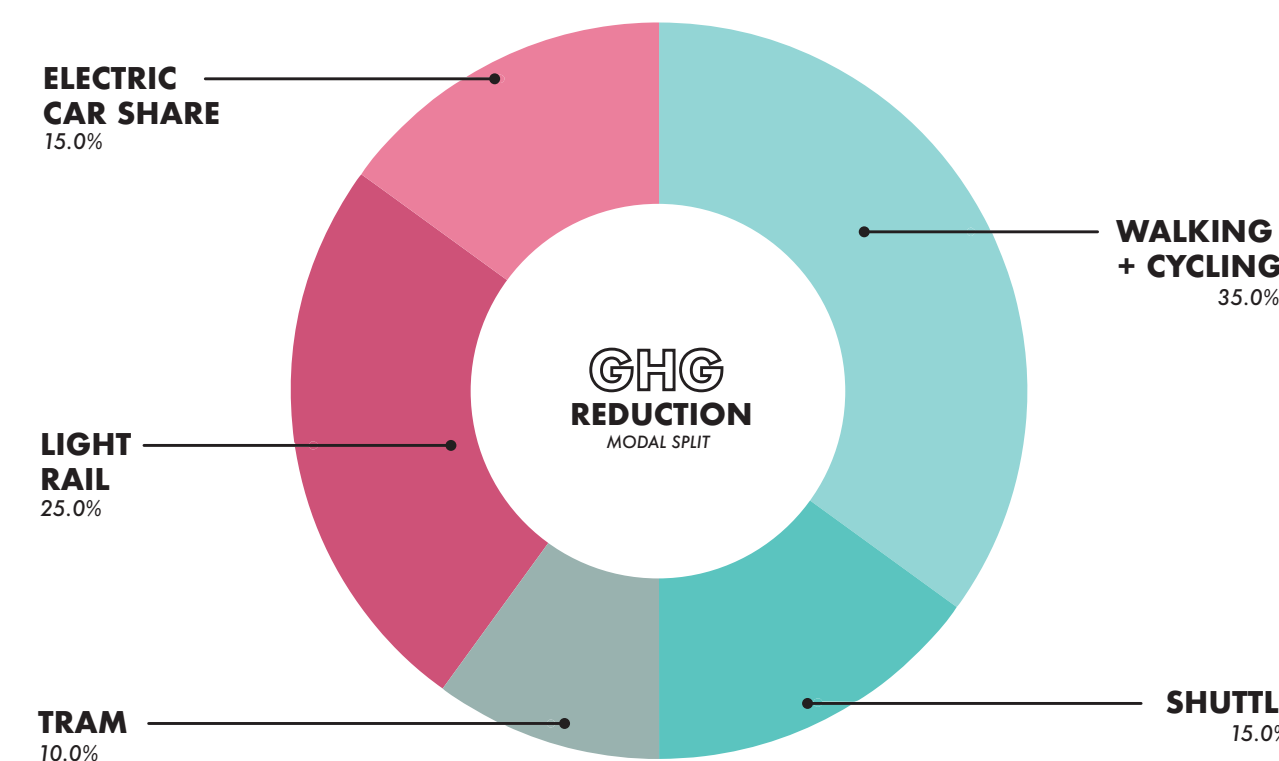
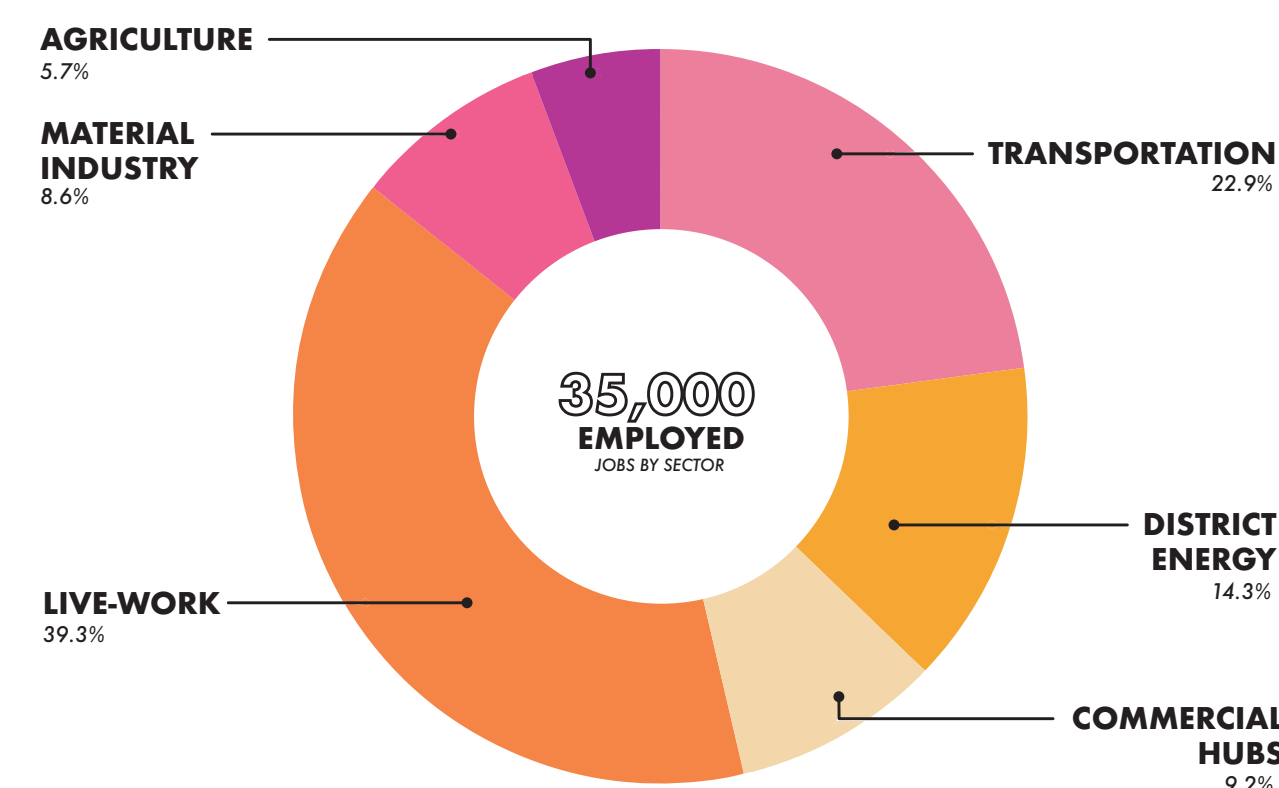
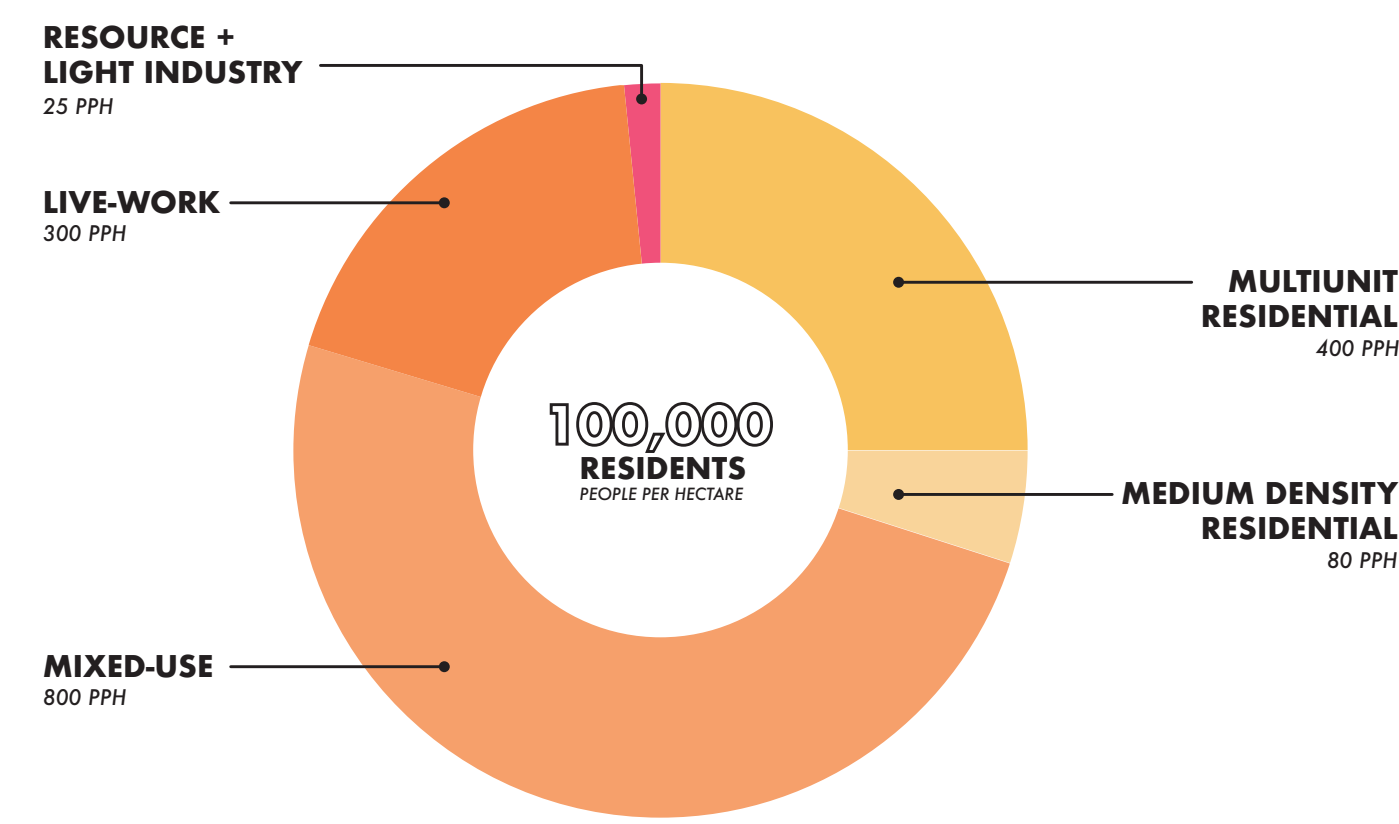


Rooftop Farming to provide 100% of food for 100,000 district residents (source: <https://montreal.lufa.com/en/>)

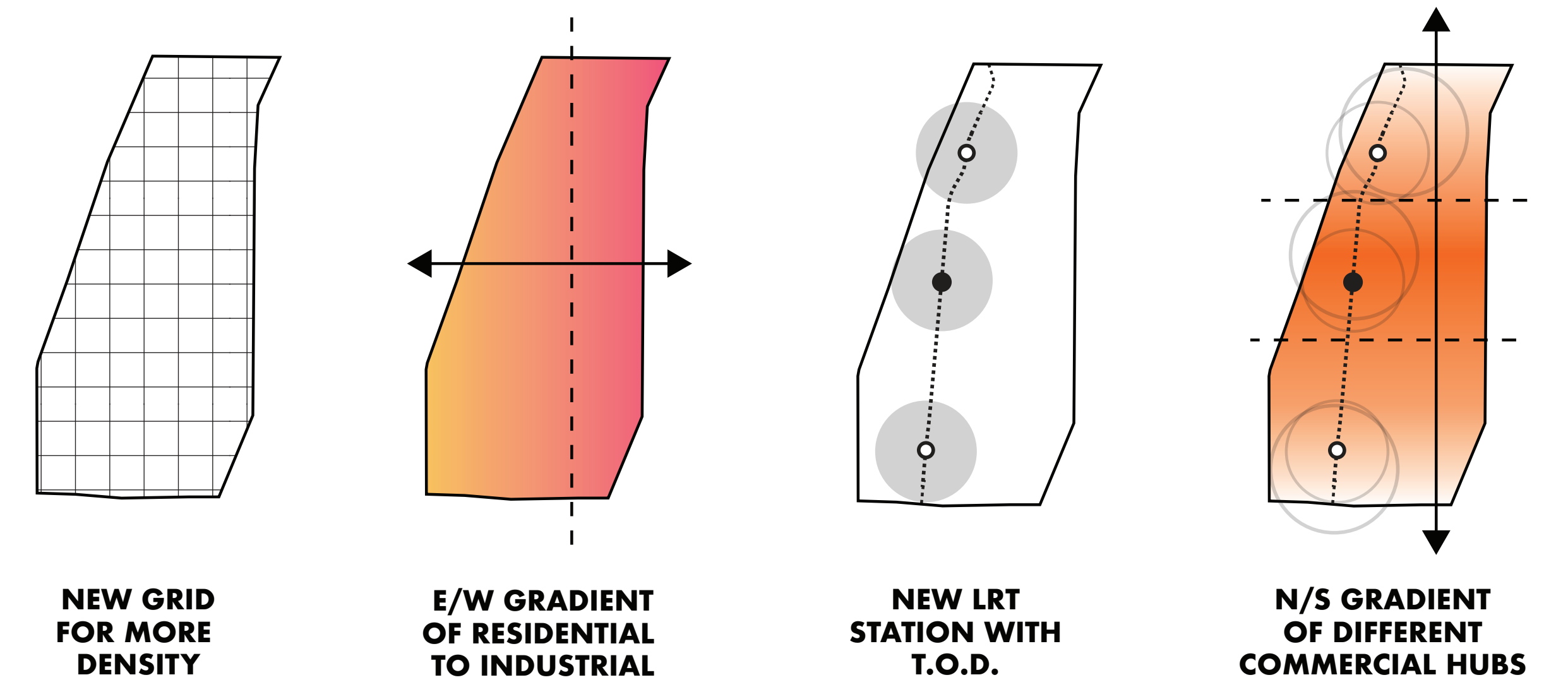


Tokenized materials recycling, Amsterdam Netherlands (source: <https://wastelab.nl/en/>)

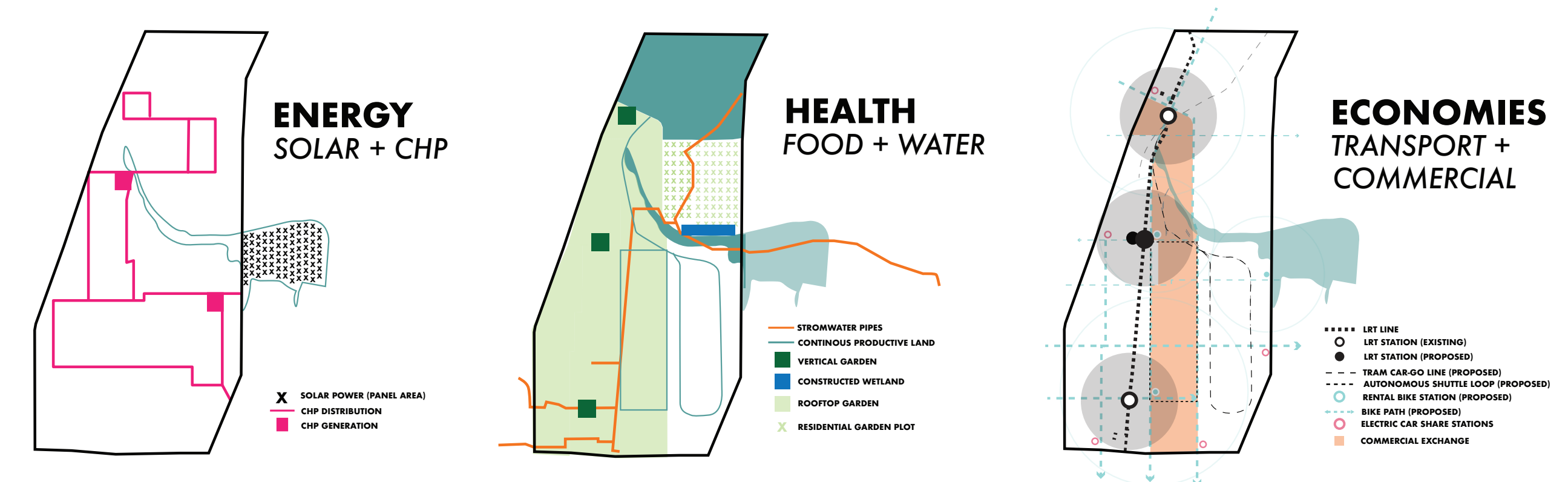
03_CALCULATIONS



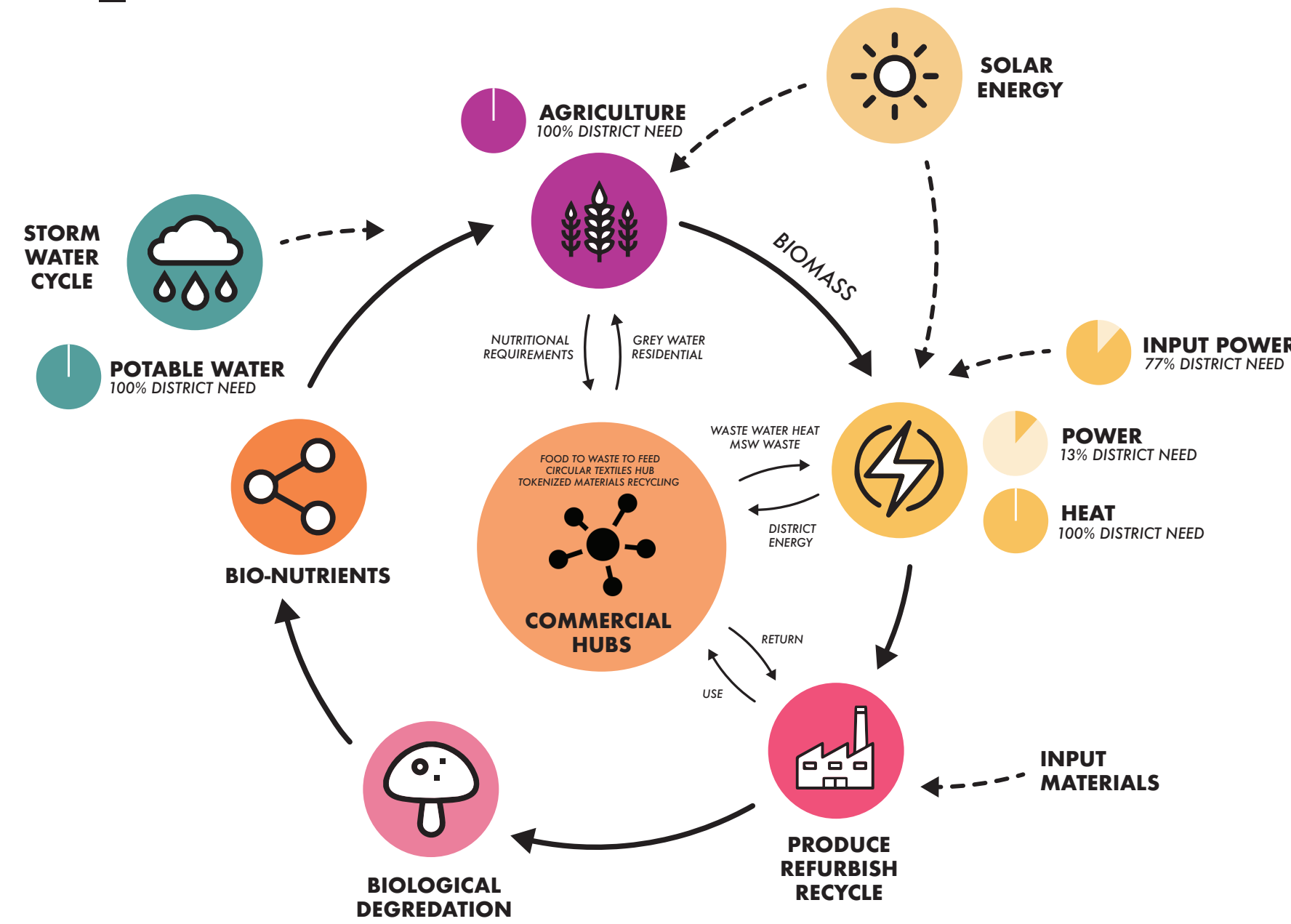
04_URBAN STRATEGIES



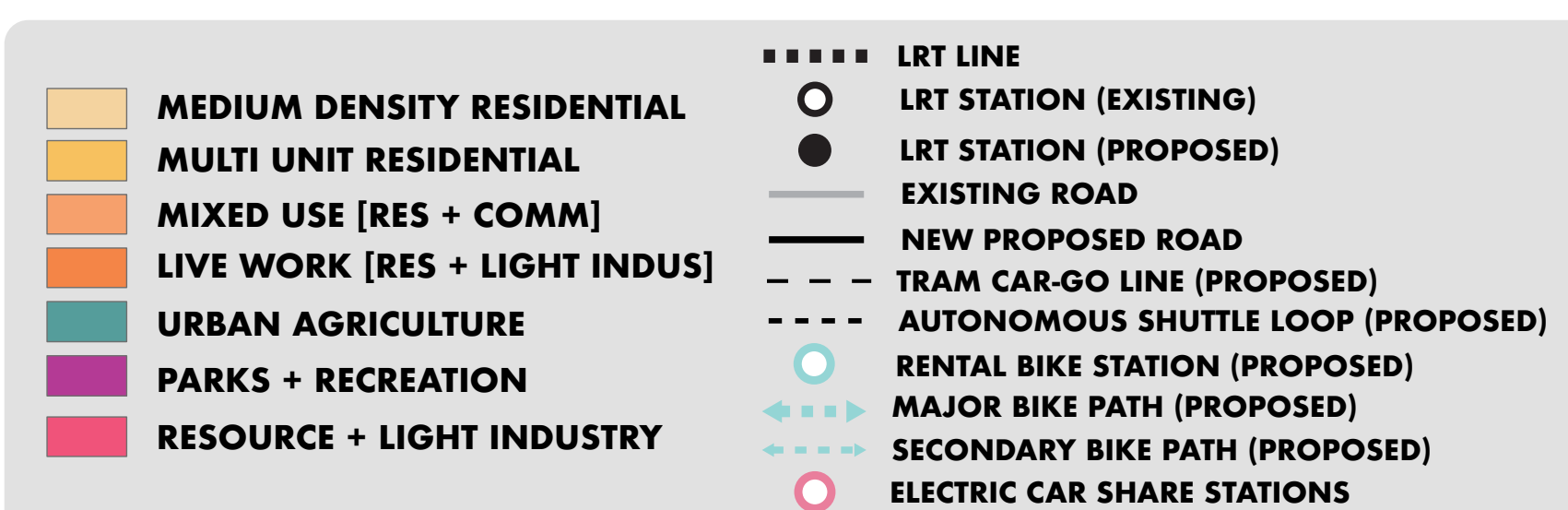
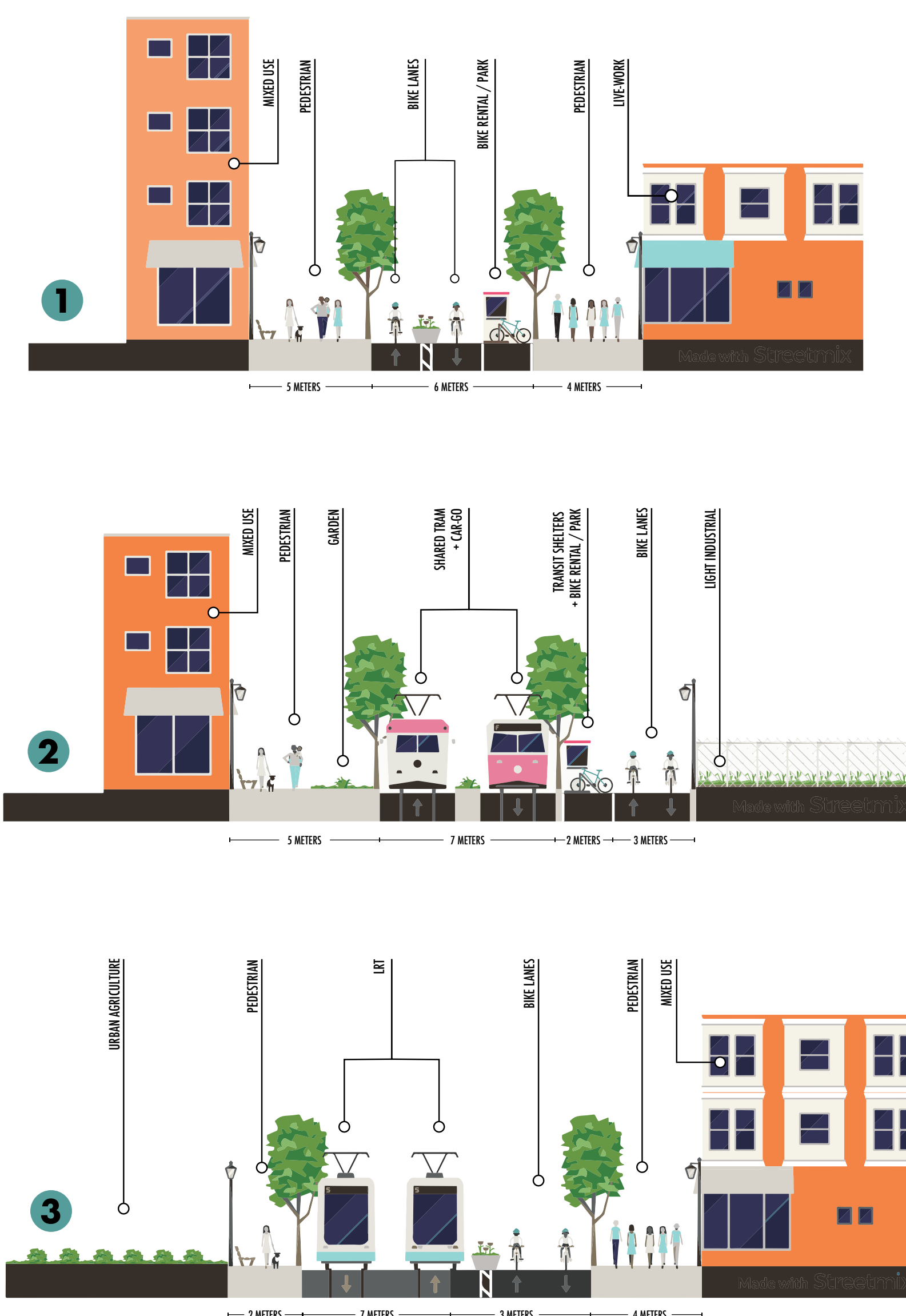
05_INFRASTRUCTURE STRATEGIES



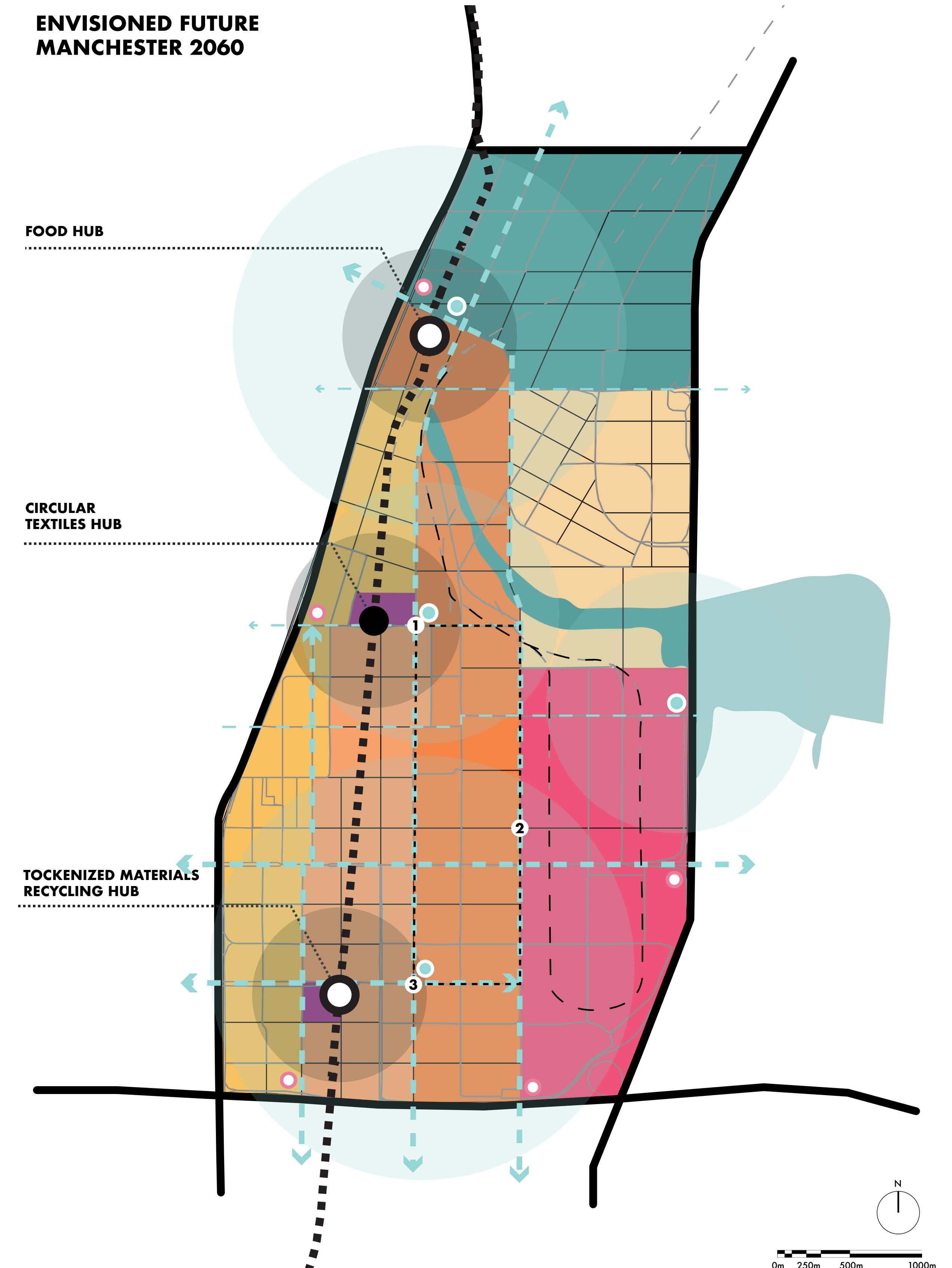
06_CIRCULAR ECONOMY



08_STREET COMPOSITION



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07_VISUALIZATIONS

