

## Attachment 4 - Social, Environmental and Economic Implications

### Social

Prioritizing future rapid transit network growth projects by both benefits and costs contributes to an equitable distribution of transit services. The prioritization approach uses social equitability criteria such as community services, affordable housing units and low-income population served as part of the triple bottom line analysis of project benefits. Increasing the accessibility of the transportation system and the amount of travel by walking, cycling and transit allows all Calgarians to more fully participate in work and social activities. Public transit provides choice, expanded opportunity to move and connect with the community, with a more convenient and socially inclusive mode of travel.

### Environmental

Transit projects contribute to a significant reduction in greenhouse gases (GHG) and will help the City meet the Council approved GHG reduction strategy of 15 Mt CO<sub>2</sub>e by 2050. A 25 per cent expansion of transit contributes 2.1 Mt CO<sub>2</sub>e to the reduction of GHG. Continuing to promote high-quality transit helps shift Calgarians out of single occupancy vehicles into lower or no emissions modes. The City of Calgary uses a wind power contract for the LRT network, enabling zero-emissions door-to-door travel in Calgary for CTrain customers. A single bus can carry as many people as 41 cars; with emissions per passenger-kilometre close to one quarter the level of cars. Calgary Transit buses are clean-burning, use compressed natural gas or premium quality low-sulphur diesel fuel and are maintained for continuous efficient performance. The Municipal Development Plan (MDP) and the Calgary Transportation Plan (CTP) work collectively to align land uses with the transportation networks to reduce the impact of travel on the environment by curbing land consumption, protecting air and water quality, and reducing energy consumption.

### Economic

Prioritized investments in the rapid transit network and bus connections to growing employment and education centres supports improved economic development, business growth and place-making. Providing transit service plays a key role in Calgary's overall mobility plan and supports economic resilience by embracing participation for all. In addition to the direct transit customer benefits, investment in public transit benefits the broader community by:

- helping revitalize corridors and main streets,
- connecting employers to an expanded workforce,
- supporting redevelopment, particularly at Transit Oriented Developments, and
- providing Calgarians with a cost-efficient alternative of movement to all parts of the city.