

CLIMATE ACTION

Environmental sustainability is one of the Township of Langley's core values.

CREATING A BUDGET FOR CLIMATE INITIATIVES TOTAL 725K



350k

FACILITIES ANNUAL CLIMATE ACTION RESERVE FUND – ENERGY PROJECTS

This reserve fund supports the Corporate Climate Action Program, a mechanism for investments in energy-saving capital projects in Township facilities. These projects reinvest in the fund via reduced-energy cost savings, while upgrading facility assets and shrinking the Township's energy footprint.



100k

CLIMATE ACTION STRATEGY – OPERATING

The Climate Action Strategy provides strategic direction, targets, and actions for adapting to climate change impacts and reducing energy consumption and greenhouse gas emissions, both corporately and throughout the community. Staff recommend establishing an annual base operating funding envelope to facilitate projects, expand electric vehicle charging infrastructure, and provide access to matching grants and incentives from external agencies.



200k

ANNUAL CLIMATE ACTION STRATEGY IMPLEMENTATION FUND – CAPITAL

As per Council direction, and through adoption of the Climate Action Strategy, staff recommend establishing a fund to fulfill the commitments of the Strategy, as many of the projects will require significant Capital expenditure. This funding will provide project funding and access to matching grants and incentives from external agencies.

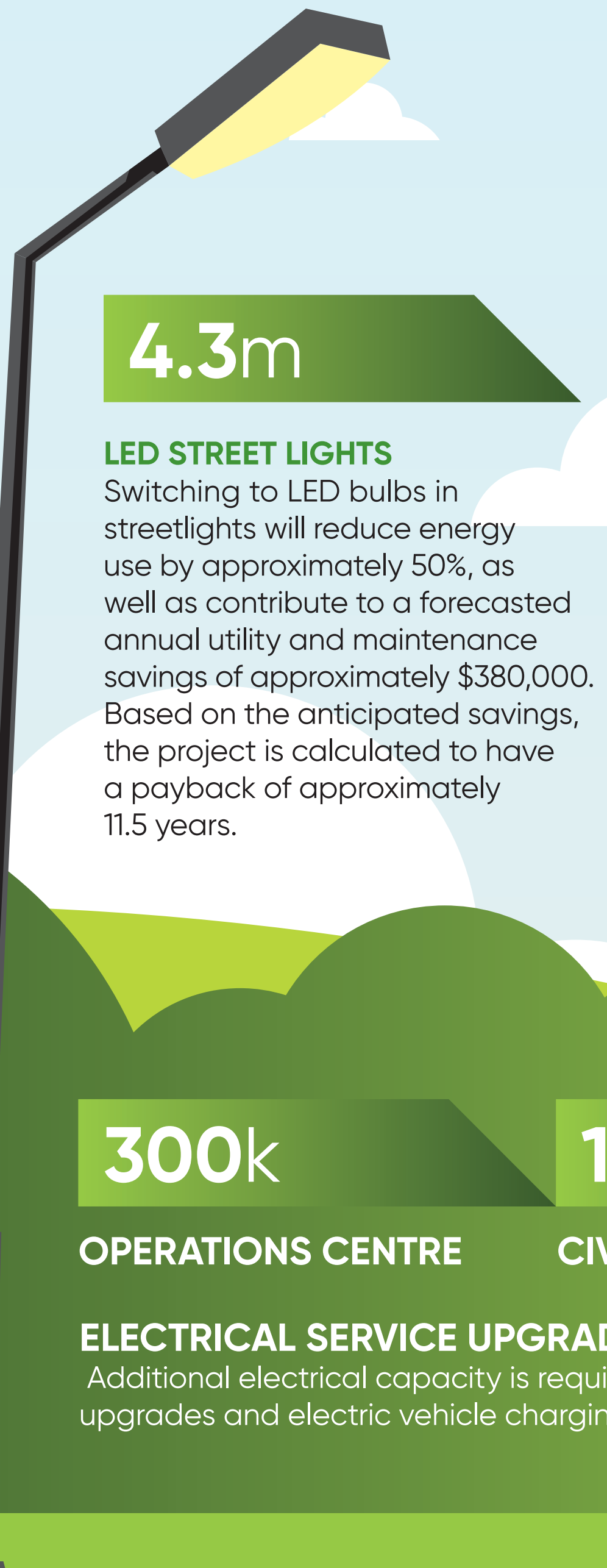
75k

GREEN BUILDING STAFF

A two-year funding agreement from BC Hydro allows for adding a Green Building Energy Manager and a Green Building Engineering Technologist to the newly-formed Green Buildings team.

Grant funding and existing budgets will fund the positions for the first year. An additional Township contribution of \$75,000 is required to fulfill the roles in the second year.

INFRASTRUCTURE UPGRADES TOTAL 6.3M



4.3m

LED STREET LIGHTS

Switching to LED bulbs in streetlights will reduce energy use by approximately 50%, as well as contribute to a forecasted annual utility and maintenance savings of approximately \$380,000. Based on the anticipated savings, the project is calculated to have a payback of approximately 11.5 years.

496k

MULTI-STREAM PUBLIC SPACES WASTE RECEPTACLES

As part of the five-year, full-scale implementation of new multi-stream receptacles in public spaces, this funding will help the Township reach the regional waste diversion goal of 80% by 2020. Without full expansion, the Township will face additional surcharges at waste disposal sites and may be refused access to local transfer stations for not complying with the banned materials bylaws.

400k

UV SYSTEM UPGRADES TO WALNUT GROVE COMMUNITY AND W.C. BLAIR RECREATION CENTRES

Installing ultraviolet disinfection systems at these facilities will save 3.8 million litres of water and over 600 gigajoules of natural gas annually.

190k

PUBLIC SPACES WASTE MANAGEMENT VEHICLE

With multi-stream public waste receptacles in place throughout the Township, new multi-stream collection vehicles are required to keep materials sorted during pick up and assist in achieving regional waste diversion goals.

370k

EIGHT VEHICLE REPLACEMENTS

Eight vehicles are at the end of their cost-effective lifecycles. These vehicles will be replaced with electric vehicles.

100k

PROPANE CONVERSION ON EXISTING VEHICLES

Converting eligible vehicles will lower operating costs by up to 50% in fuel savings, reduce greenhouse gas emissions by 27%, and produce zero black carbon. Based on the anticipated savings, the conversions are calculated to have a payback in two years, per vehicle.

300k

OPERATIONS CENTRE

ELECTRICAL SERVICE UPGRADE

Additional electrical capacity is required for low-carbon electrification upgrades and electric vehicle charging stations.

150k

CIVIC FACILITY



Township of
Langley
Est. 1873

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CARBON SEQUESTRATION TOTAL 280K

180k

REPLACEMENT TREE PLANTING

Uses developer contributions for required replacement trees to plant new trees in parks and conservation areas.

100k

STREET TREE PLANTING

Uses required developer contributions to plant street trees in new subdivisions.

PROVIDING ALTERNATIVES TO SINGLE OCCUPANCY VEHICLE USE TOTAL 1.78M

170k

TRANSIT IMPROVEMENTS THROUGHOUT THE TOWNSHIP

This capital project seeks funding on an ongoing, annual basis for the construction of transit-related road improvements such as sidewalks leading to bus stops, vehicle pullout bays, wheelchair accessible bus stops, and improved bus stop facilities for pedestrians throughout the Township. This is a cost-sharing project in partnership with TransLink (50/50 cost share).

286k

ANNUAL PEDESTRIAN IMPROVEMENTS

This annual funding will facilitate construction of pedestrian links for residential, commercial and industrial areas to nearby transit facilities where sections of sidewalks are not currently available. Funded in partnership with TransLink Walking Infrastructure to Transit Program (50/50 cost share).

500k

MULTI-USE PATH ON THE 201 STREET CONNECTOR

This funding will provide cycling network infrastructure and increased safety for pedestrians through construction of a multi-use path adjacent to the 201 Street Connector leading to the Golden Ears Bridge.

820k

ANNUAL COMMUTER CYCLING IMPROVEMENTS

This annual funding will facilitate the construction of bicycle lanes throughout the Township as part of the Ultimate Cycling Network endorsed by Council. Funded in partnership with TransLink Bicycle Infrastructure Capital Cost-Sharing Program (50/50 cost share).



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