

NO: R222

COUNCIL DATE: November 6, 2017

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **November 2, 2017**

FROM: **General Manager, Engineering**

FILE: **1855-20**

XC: **0290-20**

SUBJECT: **Engineering Grants and Awards Received in 2017**

RECOMMENDATION

The Engineering Department recommends that Council receive this report as information.

INTENT

The purpose of this report is to advise Council of the awards and grants that the Engineering Department has received in 2017.

BACKGROUND

The Engineering Department has received funding contributions for several projects through various grant programs in 2017. The Engineering Department has also received several awards in 2017 for various initiatives.

DISCUSSION

Grants

In June 2016, TransLink as part of the South of Fraser Rapid Transit project secured funding under the Public Transit Infrastructure Fund program, allowing continued planning, consultation and preparatory works on the Surrey LRT project. This funding has been allocated in Phase 1 of TransLink's 10-Year Investment Plan, and it includes approximately \$58 million in funding designated to specific "Early Works" projects to support and facilitate procurement readiness for Surrey's LRT. The "Early Works" projects include: transit exchanges in Guildford and Newton; relocation of City water main and storm sewer utilities on 104 Avenue; replacement of the Bear Creek Bridge on King George Boulevard south of 88 Avenue; and raising BC Hydro transmission powerlines on both 104 Avenue and King George Boulevard.

Additionally, the Engineering Department has received a total of \$624,200 from the Federation of Canadian Municipalities for new projects to help the City become more resilient in a changing climate. These projects are receiving support as part of its Municipalities for Climate Innovation Program funded by the Government of Canada. This funding supports the Engineering Department in four different projects:

- \$175,000 to support the general development of Surrey's *Coastal Flood Adaptation Strategy*. This initiative commenced in 2016 and has engaged over 500 partners, stakeholders and residents to develop a long term strategy to increase resilience to coastal flooding and sea level rise.
- \$102,800 to further support the development of Surrey's *Coastal Flood Adaptation Strategy* with a project *Improving Coastal Flood Adaptation Approaches to Minimize Infrastructure Risk* by engaging various levels of government on the significant critical infrastructure vulnerabilities on land posed by coastal flooding and sea level rise.
- \$171,400 to further support the development of Surrey's *Coastal Flood Adaptation Strategy* with a project to *Prioritize Infrastructure and Ecosystem Risk from Coastal Processes in Mud Bay*. This project will increase awareness and understanding of coastal green infrastructure, how it is changing, and what areas and species are at risk.
- \$175,000 for research into low-carbon energy supply alternatives for the City's district energy system, Surrey City Energy, to help mitigate the impacts of climate change.

The City has also received a total of \$26,000 to support the delivery of the Salmon Habitat Restoration Program in 2017. \$15,000 was provided by the Surrey School District 36, \$10,000 was provided by the RBC's Blue Water Project and \$1,000 was provided by the Real Property Institute of Canada. In addition, the City also received \$49,000 from FortisBC for a diesel/CNG blending project.

In all, the Engineering Department received \$21 million in grant funding in 2017.

Awards

The City also received various awards in 2017. These awards are as follows:

- "Client of the Year" by the Association of Consulting Engineering Companies of BC for our progressive and communicative approach with the consulting engineering community.
- "Exceptional Performance Award in Public Works Journalism" by the American Public Works Association in recognition of the City's exceptional performance in presenting a positive image of our community and the public works profession. In particular, the 2016 community engagement activities staff completed and documented as a promotional video.
- "Award for Community Celebration" by the Public Works Association of BC for the City's Public Works Week. This award recognises the City's ability to inform the public about the essential role that public works plays in the quality for our community and for promoting public works as a career choice. The City also received this award in 2016.
- "Arnold Silzer Community Policing Initiative Award" from the Surrey Board of Trade. This award, shared with other departments in the City, was for the City Outreach Team, which was recognized as an outstanding community policing and problem-solving initiative which, through the cooperative effort, is positively contributing to the safety and well-being of the community.

SUSTAINABILITY CONSIDERATIONS

The receipt of grants and awards supports the objectives of the City's Sustainability Charter. In particular, these grants and awards relate to the Sustainability Charter themes of Built Environment and Neighbourhoods, Infrastructure, and Education and Culture. Specifically, these actions support the following Desired Outcomes:

- Neighbourhoods and Urban Design DO9: All aspects of planning, design and construction include climate change impacts, greenhouse gas (GHG) mitigation, adaptation and resiliency strategies;
- Buildings and Sites SD13: Continue to support low carbon district energy networks;
- All Infrastructure Do2: Infrastructure systems provide safe, reliable and affordable services;
- Energy and Climate DO9: Energy is produced locally, using distributed and renewable sources when economically feasible; and
- Learning SD7: Promote collaboration between public partners, educational institutions, arts and heritage groups, and the community.

CONCLUSION

This report demonstrates that during 2017 the Engineering Department has been very successful in obtaining funding contributions. This report also demonstrates that during the past year, various initiatives that the Engineering Department have led or have been a part of have been highly regarded by various industry associations.

Fraser Smith, P.Eng., MBA
General Manager, Engineering

JA/RK/cc