




INFORMATION REPORT

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	October 19, 2020
SUBJECT/REPORT NO:	Airport Employment Growth District Capital Works Update (PW19079(a)) (City Wide) (Outstanding Business List Item)
WARD(S) AFFECTED:	City Wide
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SUBMITTED BY:	Mark Bainbridge Director, Water and Wastewater Planning and Capital Public Works Department
SIGNATURE:	

COUNCIL DIRECTION

In September 2019 (Report PW19079), Council approved a modified project delivery model for the procurement of equipment and design services at pump station HC018 to expedite the project. As recommended in this report, Hamilton Water staff is reporting back to the Public Works Committee detailing procurement results of project awards.

INFORMATION

The Airport Employment Growth District (AEGD) is a planned development area of 551 net developable hectares of employment land bounded by Garner Road East and Twenty Road West to the north; Upper James Street to the west; Whitechurch Road West to the south; and, Fiddler's Green Road to the east, all of which has been designed to provide for a major business park development which effectively integrates with and complements the existing John C. Munro Hamilton International Airport.

The new employment area will improve live-work opportunities and helps meet provincial employment targets for the City. It supports the Airport as important

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

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infrastructure and as an economic driver, supports long-term prosperity, contributes to quality of life, and establishes a gateway for economic and goods movements for the City.

This report is to provide a status update for the vertical and linear capital projects being delivered to support the Airport Employment Growth District (AEGD).

Vertical Wastewater Infrastructure Project Status Update:

GM BluePlan Engineering (GMBP) and AECOM were retained by the City of Hamilton (City) under separate assignments to design and administer construction contracts at the following vertical wastewater pump station sites (refer to Appendix “A” attached to Report PW19079(a)):

- GMBP: Homestead Wastewater Pumping Station (HC027)
- AECOM: English Church Wastewater Pumping Station (HC019)
- AECOM: Twenty Road Wastewater Pumping Station (HC018)

The objective of these facility upgrades is to design pumping, electrical and standby power equipment replacement in order to achieve the capacity requirements to accommodate growth in the AEGD. The construction for the wastewater pump stations at these sites is currently underway. The timelines and value of awarded assignments are shown in Table 1 below.

Table 1 – AEGD Vertical Wastewater Infrastructure Project Timelines and Project Awards:

Station	Estimated Construction Completion	Vendor Type	Value of Assignment
HC027	December 2020	Design/Construction Administration (AECOM)	\$145,646
		Pre-purchased Equipment Pumps (KSB)	\$116,740
		General Contractor (ES Fox)	\$617,777
Total			\$880,163
HC019	December 2020	Design/Construction Administration (AECOM)	\$163,802
		Pre-purchased Equipment: <ul style="list-style-type: none">• Pumps (Xylem)• Motor Control Center (Solution Controls)	<div>\$93,197</div> <div>\$20,974</div>

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		General Contractor (H2 Ontario)	\$450,900
Total			\$728,873
HC018	April 2021	Design/Construction Administration (GMBP)	\$950,000
		Pre-purchased Equipment:	
		• Genset (Cummins)	\$214,331
		• Motor Control Center (City Electric)	\$158,910
		• Pumps and Wetwell (Pro Aqua)	\$807,057
		General Contractor (Defaveri)	\$3,141,438
Total			\$5,271,736

In September 2019, Council approved a modified project delivery model for the procurement of equipment and design services at pump station HC018 to expedite the project. Included in that Council approval was a single-sourced pursuant to Procurement Policy #11 – Non-competitive Procurements with GMBP with an estimated upset limit of \$750K for the design and construction administration services. As a result of increasing the pump station capacity during design, expanded construction administration services is required. In September 2020, a Procurement Policy #11 was approved in order to increase GMBP's purchase order by a value up to \$200K, for a revised estimated upset limit of \$950K.

At pump stations HC019 and HC027 mechanical and electrical equipment has been pre-purchased through a competitive process to accelerate the construction phase of the project.

Linear Wastewater Infrastructure Project Status Update (Upper James Forcemain):

To accommodate the additional pumping capacity generated by the pumping station upgrades, a new forcemain on Upper James Street from Twenty Road Pump Station to the sewer manhole north of Christopher Drive is required. Wood Consulting Engineers was hired through the Roster to provide detailed design consulting services for this 0.8 km forcemain project and to obtain the necessary permits to facilitate construction (refer to Appendix "A" attached to Report PW19079(a)). The forcemain, which is estimated to cost \$2.5M, will be tendered in Q3 2020 and is anticipated to be operational by Q2 2021.

APPENDICES AND SCHEDULES ATTACHED

Appendix "A" to Report PW19079(a) - AEGD Vertical and Horizontal Project Sites