The Sanitary Servicing Strategy Fund (SSSF) is used to construct the largest and deepest sewer pipes in Edmonton. The SSSF is funded through development fees and contributions from EPCOR. Constructed by EPCOR, these deep sewers are just one part of a larger sanitary system that manages waste water from all Edmonton homes and businesses. That waste is carried to the Gold Bar Wastewater Treatment Plant and the Capital Region Wastewater Treatment Plant to be treated before being released into the North Saskatchewan River. The collection and treatment of sewage and wastewater is vital to ensuring public health, clean water, and environmental protection.

Continuing from 2020, the projects under construction in 2021 are:

North Edmonton Sanitary Trunk (NEST)

NC2 and NC3 Sections

These two sections of the north Edmonton trunk are located parallel to 153 Avenue from Castle Downs Road to 88 Street and are expected to be completed in 2022. A sewer trunk is a large pipe that receives sewage from a number of smaller pipes from people's homes. This trunk will provide sewage storage during heavy rainfall when the downstream neighbourhood combined sewer system (designed to collect both rainwater runoff and sewage) may be at capacity and unable to take in additional sewage flows. Once the rain has stopped, the stored sewage is released in a controlled manner to the Alberta Capital Region Wastewater Treatment Plan.

Stage N1 Real-Time Control Gate

Located at 153 Avenue and Manning Drive, this Real-Time Control Gate works to regulate the flow into the existing system by using storage in the NEST system between 137 Street and Manning Drive during heavy rainfall. Flows would then be released as capacity becomes available in the existing combined system and conveyed to Alberta Capital RegionWastewater Treatment Plant.

South Edmonton Sanitary Sewer (SESS)

Stage SW4

This section of the south Edmonton trunk provides additional sanitary storage capacity for new neighbourhoods in Windermere and Heritage Valley during heavy rainfall. Over the past decade southwest neighbourhoods have seen the largest rates of residential growth in Edmonton.

Stage SA10a with Pump Station and Force Main

This section will provide storage capacity for the sanitary servicing needs of the industrial areas in Maple Ridge during heavy rainfall. It is accompanied by the construction of a pump station and force main to convey stored sewage to the existing sewer and eventually to Gold Bar Wastewater Treatment Plant. Pump stations are those small, nondescript buildings you see in communities. They are used in conjunction with a force main to "force" the flow through to the trunks when gravity alone will not work.

SW1 Pump Station Upgrade

This pump station is being upgraded to address the increased sewage flow from neighbourhoods in southwest Edmonton. The expansion will support the anticipated population growth in the area over the next 5 to 10 years.

SSSF Fund balance at the end of 2020: $56.6 million

For more detailed information on each project, background to the SSSF and specific project costs, please see the Sanitary Servicing Strategy Fund (SSSF) 2020 Annual Report.