



**Title:** Strategic IT Plan – Technology Update

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**Purpose:**

At the December 17, 2020 Board of Managers meeting, staff will provide a demonstration of the build-out of technology solutions implemented through the Strategic IT Update initiative.

**Background:**

The 2017 Strategic Alignment Plan prioritized investment in IT to more effectively implement high impact capital projects and influence policy through deep insights of natural and built environments. These insights are derived from innovative data analysis, possible only through a system of closely connected technology solutions.

Born from this 2017 directive, the District developed a Strategic IT Plan, and is currently executing that plan through the evaluation, selection, implementation, and build-out of technology solutions. The Strategic IT Plan seeks to advance the District's ability to leverage data in order to drive decision making. This is accomplished through the elimination of silos, and ensuring technology solutions are closely connected. As a result, the District will efficiently capture information that passes through the organization, analyze that information to derive deeper understanding, and to enhance interactions with partners and the public.

In 2019 and 2020, the Board approved the acquisition of new platforms for GIS (ArcGIS Enterprise), permitting (ElementsXS), and technology to enhance the accessibility of the District's water quality database (KiWIS).

**Summary:**

During the previous demonstration of implemented IT solutions to the Board on April 9 2020, staff presented the build-out of the District's central hub, GIS, which connects the organization to internal and external spatial data. Additionally, GIS serves as a medium for enhanced communication of complex information with external stakeholders, as well as the main tool for analyzing data through a spatial lens.

On December 17, 2020, staff will demonstrate the current build-out of District technology investments in permitting and R&M, and how these solutions plug into GIS for additional analysis and communication, both internally and externally.

Specifically, the presentation will serve to demonstrate:

- Improving and streamlining permit application process
- Capturing and storing information for internal tracking and analysis
- Leveraging new and existing datasets through GIS
- Advancing understanding with spatial analysis