

Erdman to Loch Raven Transmission and Substation Project

March 2022



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Project Background

- This project involves a future underground transmission work which will allow BGE to manage increased distribution demand while addressing the challenges of aging infrastructure.
- The proposed 115kV transmission line route will begin at the Erdman Substation in east Baltimore and will run along Erdman Avenue, and across E 33rd Street, continuing along Hillen Road to the new Loch Raven substation, then following Hillen Road into Baltimore County.
- This new line will increase the reliability and resiliency of the energy grid in Baltimore City. It will significantly reduce the potential for long-term customer outages and improve the transmission supply for residential and commercial customers in the area.
- The project is in alignment with BGE’s commitment to being an environmental steward by removing the aging transmission cables originally installed in 1968 that are susceptible to failure and oil leakage.
- During construction, crews will be excavating the pavement (roadway and sections of median) to install underground equipment and manholes. This work will require some traffic and parking modifications. The overall transmission and substation timeline construction is to start at end of 2023 and continue until 2027.

	Erdman Substation	Loch Raven Substation	Underground Transmission	Loch Raven Distribution Feeders
Construction Mobilization	2/17/2023	5/16/2024	12/13/2023	5/16/2024
Construction Completion	12/31/2025	12/1/2026	12/31/2025	12/1/2027

Underground Transmission Route



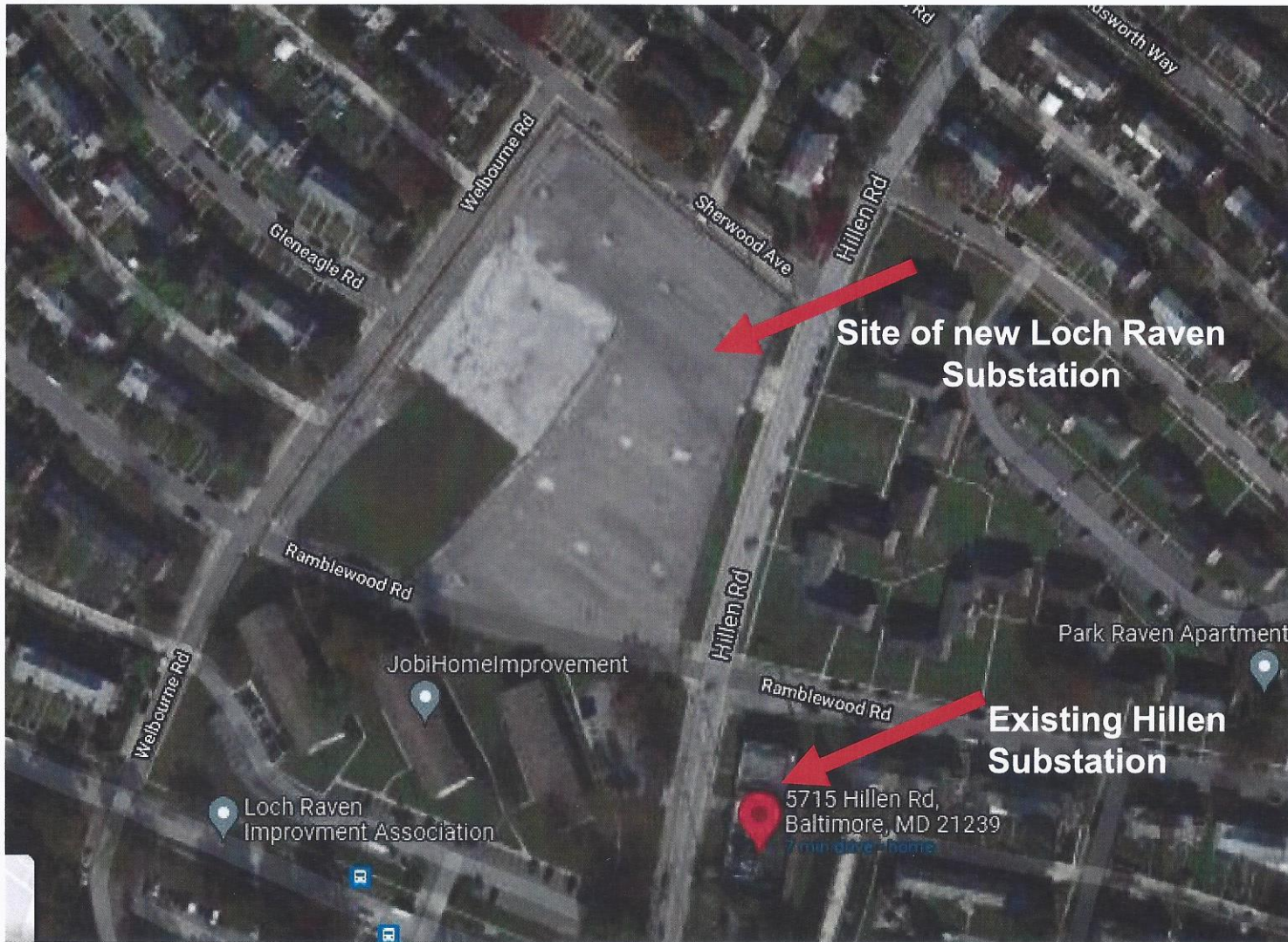
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Loch Raven Substation

- As part of this planned work, BGE will be retiring the aging 110-13kV substation at Hillen Road. The existing station was constructed in the 50's and is near to its distribution capacity and many components are close to the manufacturers expected life.
- The new 110-13kV Loch Raven Substation will be constructed in the vacant lot bounded by Hillen Rd., Wellbourne Rd. and Sherwood Ave.
- The facility is part of the electric infrastructure upgrades that will address increased demand and continue to reliably distribute electric power to the homes and businesses in the area.
- The proposed exterior of the station will be a 12-foot brick staggered wall with several offsets. The wall will provide a facility security and provide a visual buffer to nearby residents.
- The timeline for construction is expected to begin in 2024 and continue until 2026.

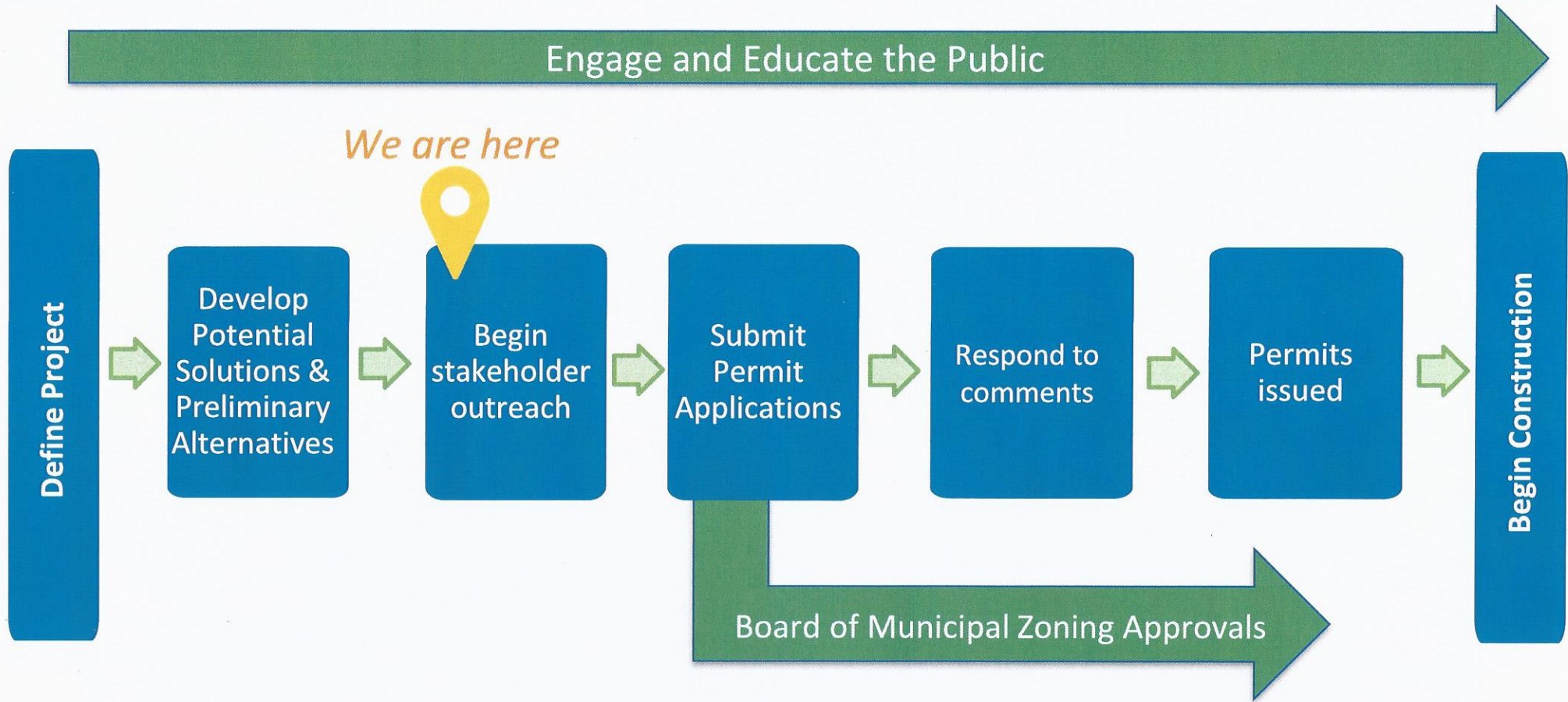
Loch Raven Substation Site



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Project Process



Proposed View-East



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Proposed View-Hillen Rd



Proposed View-Wellbourne Rd and Ramblewood Rd



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