Potomac River Generating Station Coordinated Sustainability Strategy

PRGS CDD Concept Plan | CDD2021-00004

City Council March 14, 2023



Introduction



- Old Town North Small Area Plan -2017
 - LEED Neighborhood Development Silver
 - Carbon Neutrality
 - District Energy
 - Coordinated Sustainablity Strategy (CSS)
- Alexandria Green Building Policy -2019
- City Council's Climate Emergency Acknowledgement - 2019
- Coordinated Development District (CDD) Approval - July 2022



Staff Approach to CSS Assessment



- CDD Requirements
- What is proposed in the CSS?
- Areas for further consideration



CDD Sustainability Conditions





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Strategies

- Powerplant/Site Remediation
- Additional Areas of Open Space
- Transportation/Stormwater Infrastructure
- 3% Onsite Renewable Energy Generation
- All-electric Buildings
- Embodied Carbon Reductions
- Reporting on Building Performance



Staff Position

- Comprehensive Submission
- CDD Requirements are being met
- Areas for further consideration

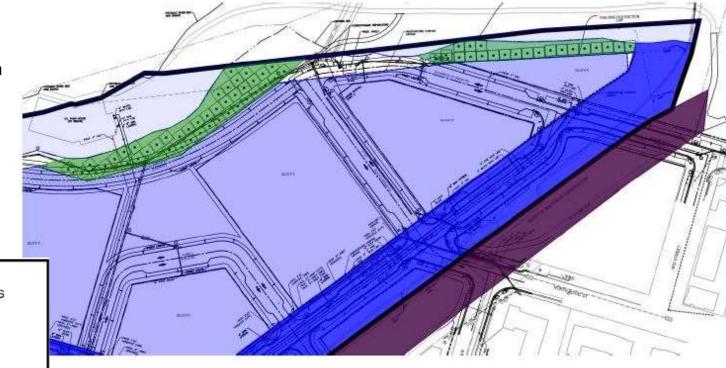


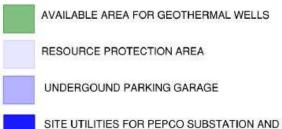
District Energy Systems

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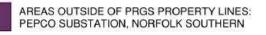
- Further explore systems in the project's public and open space areas
- Infrastructure DSP

LEGEND:





PRGS REDEVELOPMENT



Microgrid and Battery Storage



Battery Energy Storage System (BESS) in the Future

- Is there space to install BESS in the future if/when it does become feasible?
- If so, where?

Topics For Discussion



Future-Proofing

District Energy

- Explore systems in the project's public and open space areas
- Indicate areas in Infrastructure DSP

Microgrid and Battery Storage

 Where would battery storage be located if deemed feasible in the future?