# Potomac River Generating Station Coordinated Sustainability Strategy

PRGS CDD Concept Plan | CDD2021-00004

Planning Commission March 7, 2023



#### Introduction



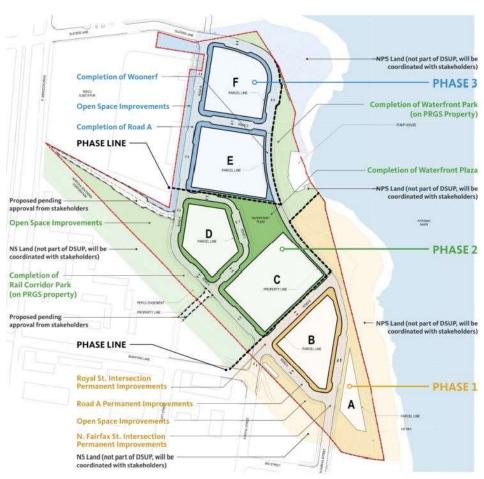
- Old Town North Small Area Plan -2017
  - LEED Neighborhood Development Silver
  - Carbon Neutrality
  - District Energy
  - Coordinated Sustainablity Strategy (CSS)
- Alexandria Green Building Policy -2019
- City Council's Climate Emergency Acknowledgement - 2019
- Coordinated Development District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

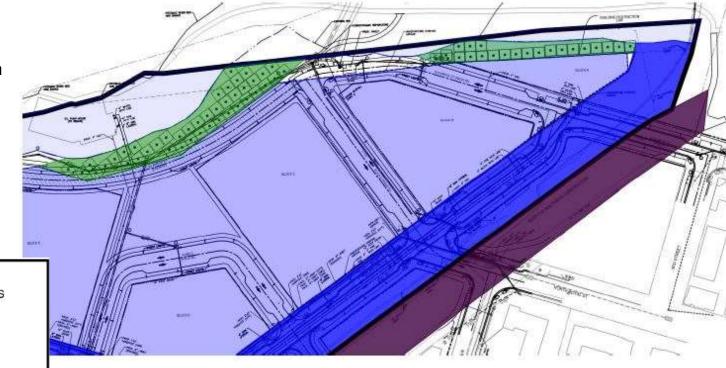


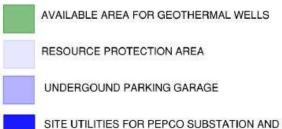
## District Energy Systems

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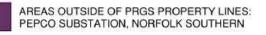
- Further explore systems in the project's public and open space areas
- Infrastructure DSP

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?