



WELCOME

Draft Environmental Impact Statement (EIS)
Addressing Heat and Electrical Upgrades (HEU)
at Fort Wainwright, Alaska

Draft EIS Public Meeting

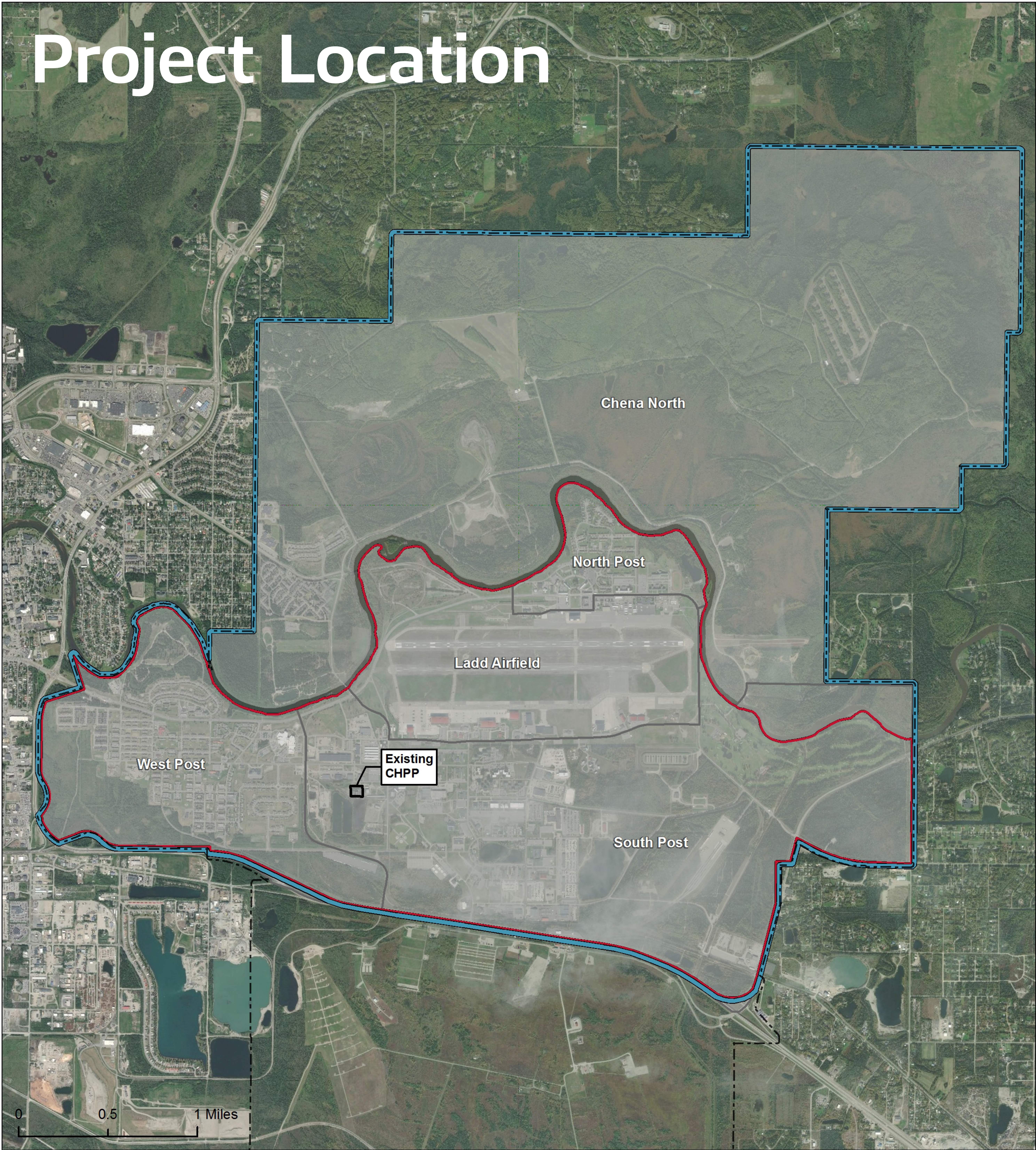
Meeting Purpose:

- Learn about the purpose and need for the HEU
- Learn about the impacts for the four possible alternatives
- Provide comments regarding the HEU Draft EIS



DRAFT ENVIRONMENTAL IMPACT STATEMENT ADDRESSING
HEAT AND ELECTRICAL UPGRADES
AT FORT WAINWRIGHT, ALASKA

Project Location



FORT WAINWRIGHT HEAT AND ELECTRICAL UPGRADES

- LEGEND
- Area Development Plan Districts
 - Main Cantonment Area
 - Main Post
 - USAG Alaska





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Purpose and Need

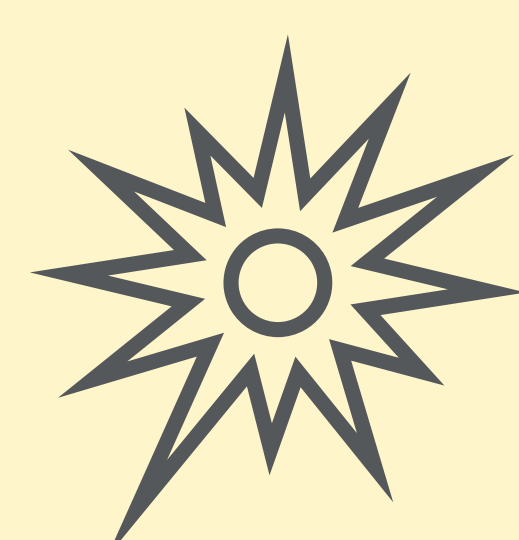
THE PURPOSE

The purpose of the Proposed Action is to provide reliable heat and electrical infrastructure for Fort Wainwright that resolves current safety, resiliency, fiscal, and regulatory concerns.

THE NEED



Reduce the overall utility costs by having a system that runs more efficiently.



Minimize the risk of failure that may require evacuating the installation and may severely affect mission readiness.



Meet mandated energy efficiency requirements.



Be compliant with emissions standards.



Conform to energy security criteria detailed in Army Directive 2017-07.



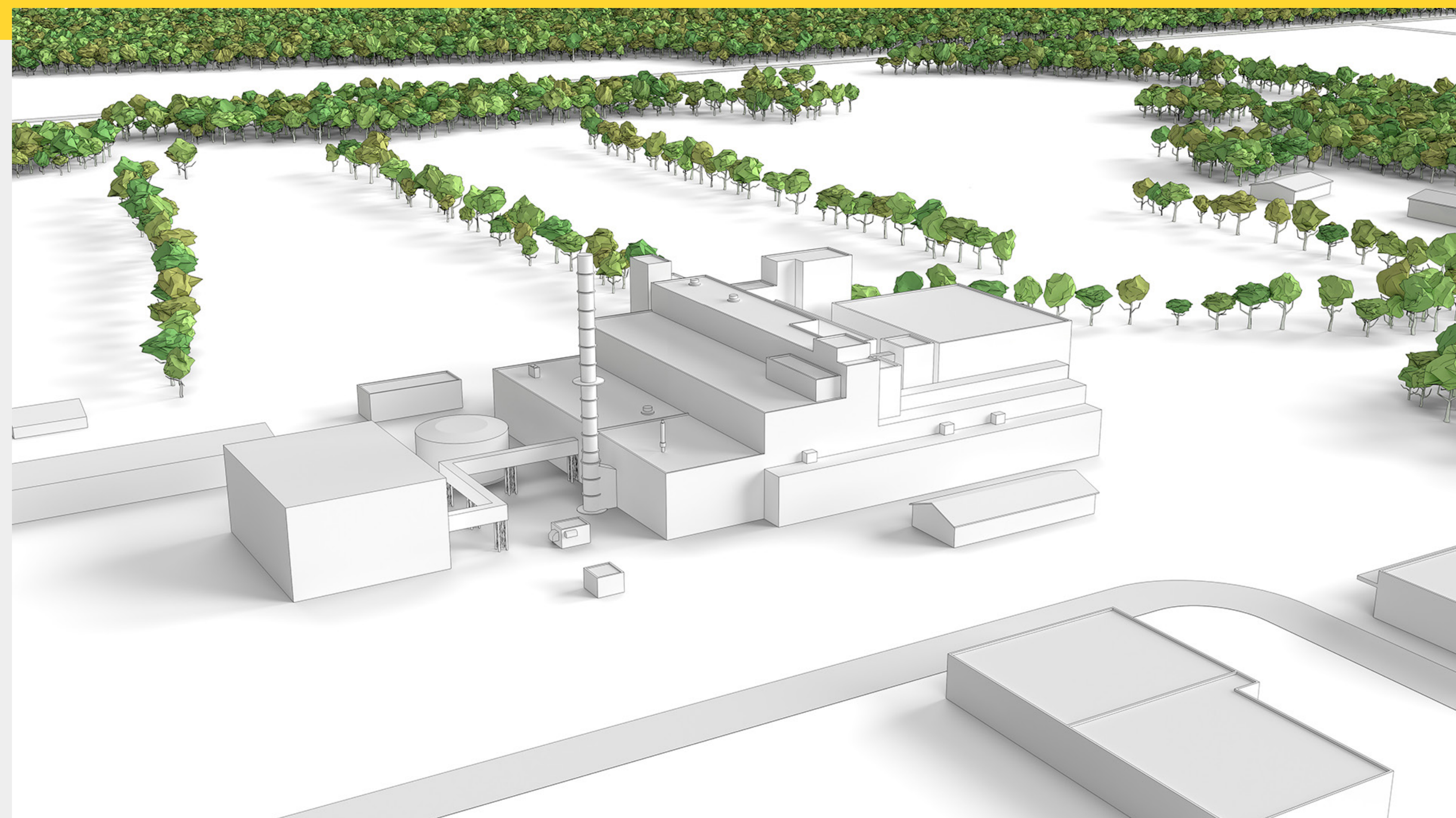
This EIS is being prepared in accordance with NEPA of 1969, as amended (42 United States Code [U.S.C.] Section 4321 et seq.); NEPA-implementing regulations issued by the President's Council on Environmental Quality (CEQ) (40 Code of Federal Regulations [CFR] Parts 1500–1508); and the Army's NEPA-implementing regulation (32 CFR Part 651, Environmental Analysis of Army Actions).



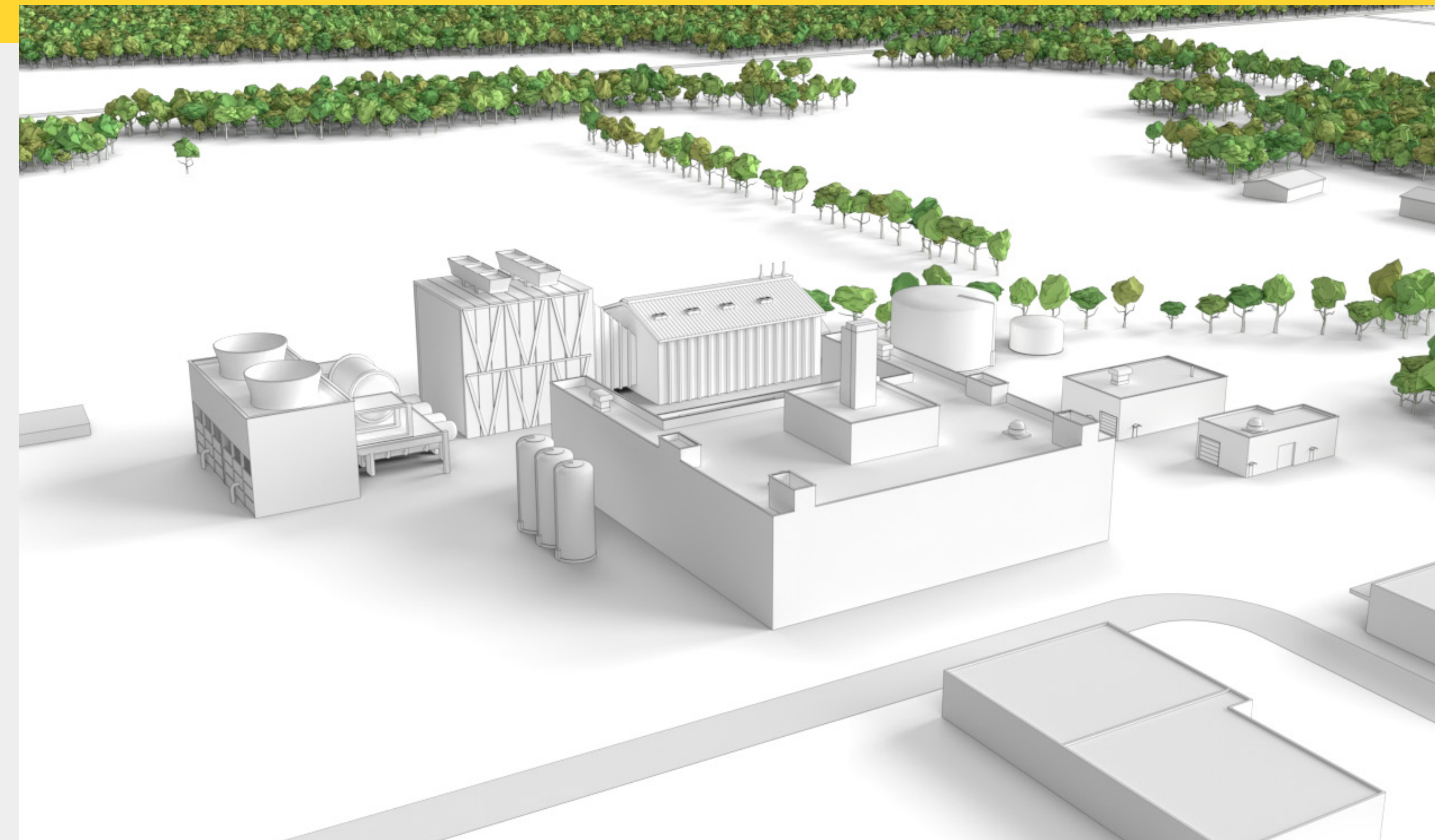
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Alternatives Considered

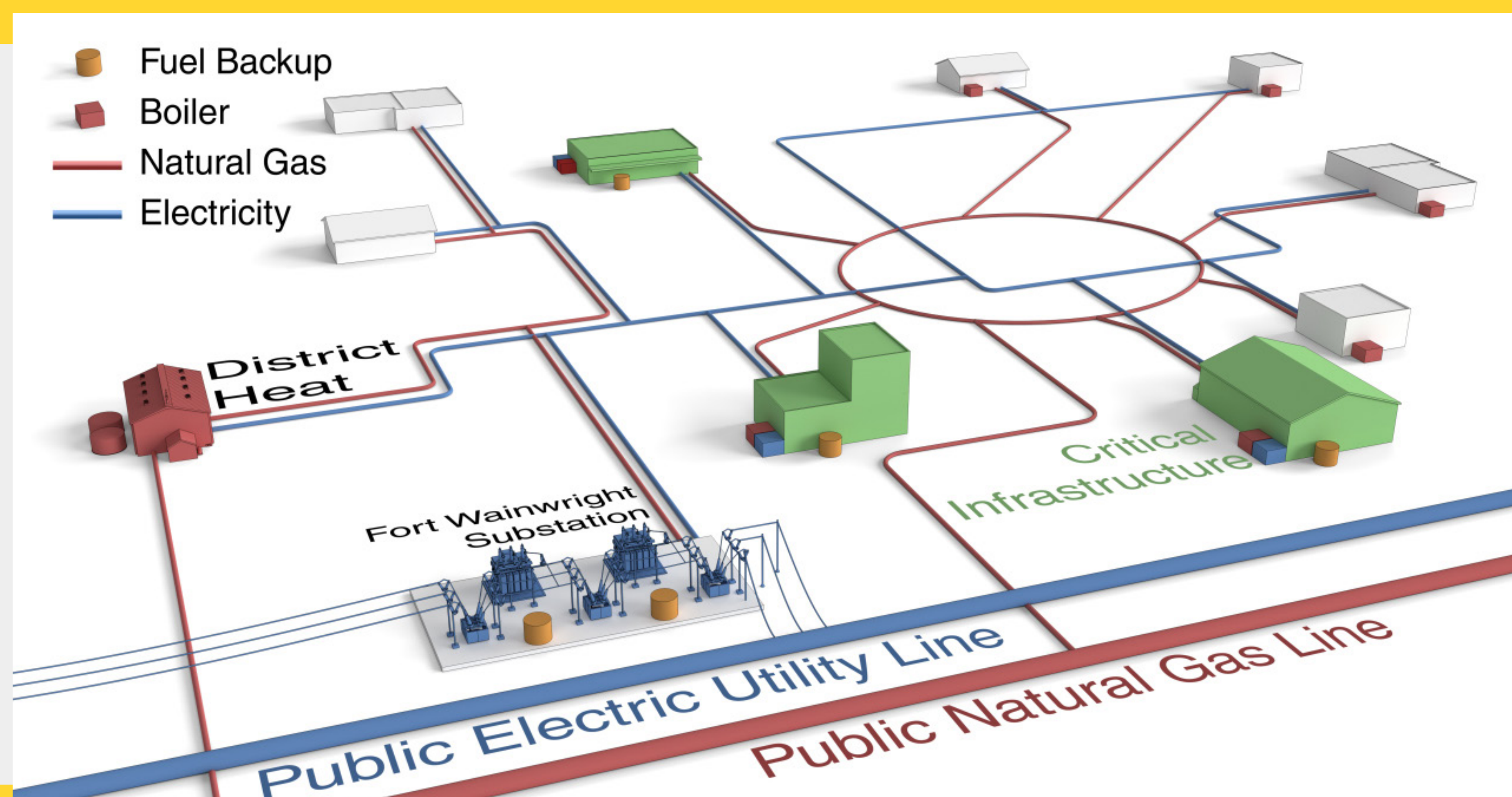
New Central Heat Power Plant (CHPP)



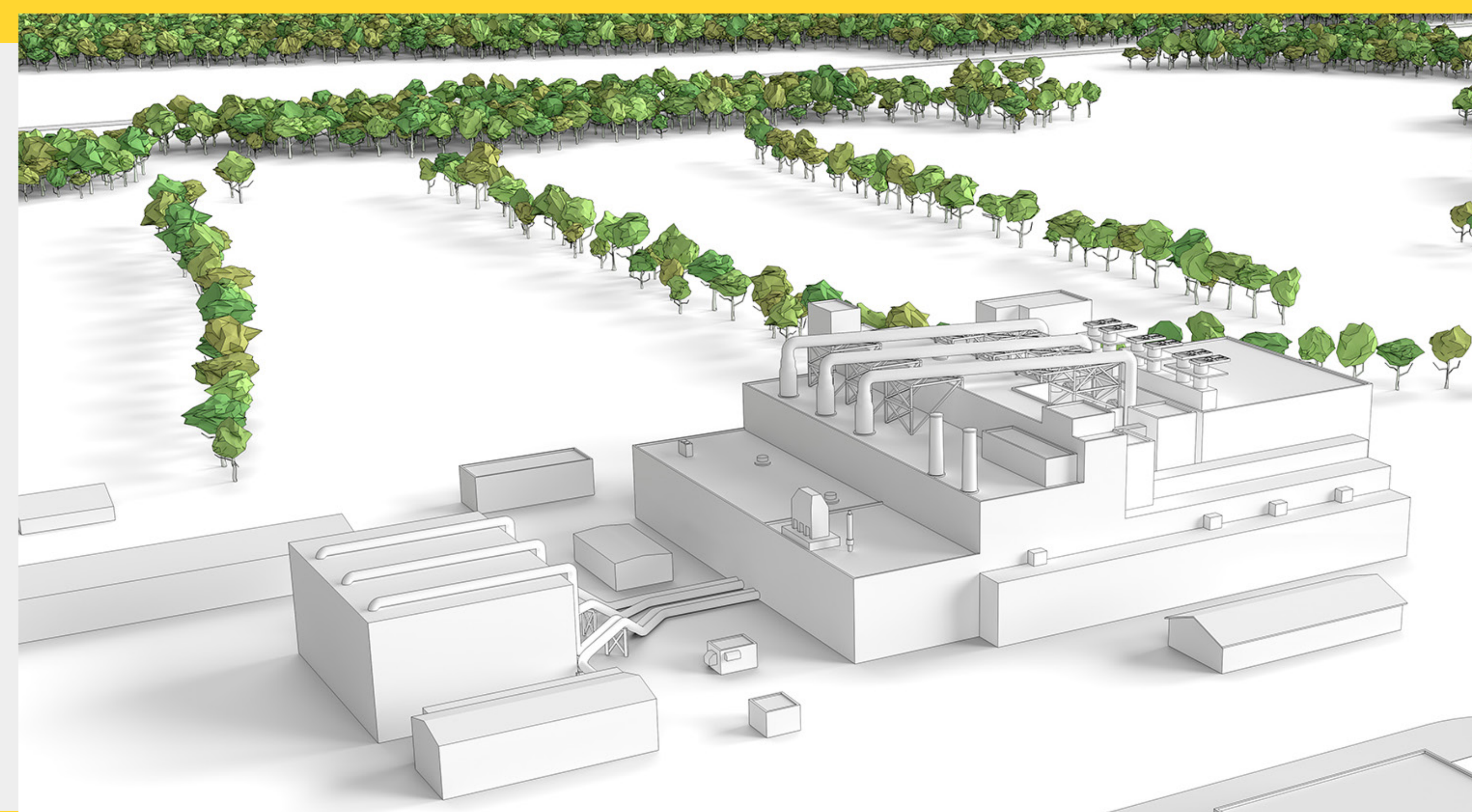
New Dual-Fuel Combustion Turbine Generator CHPP



Distributed Natural Gas Boilers



No Action Alternative

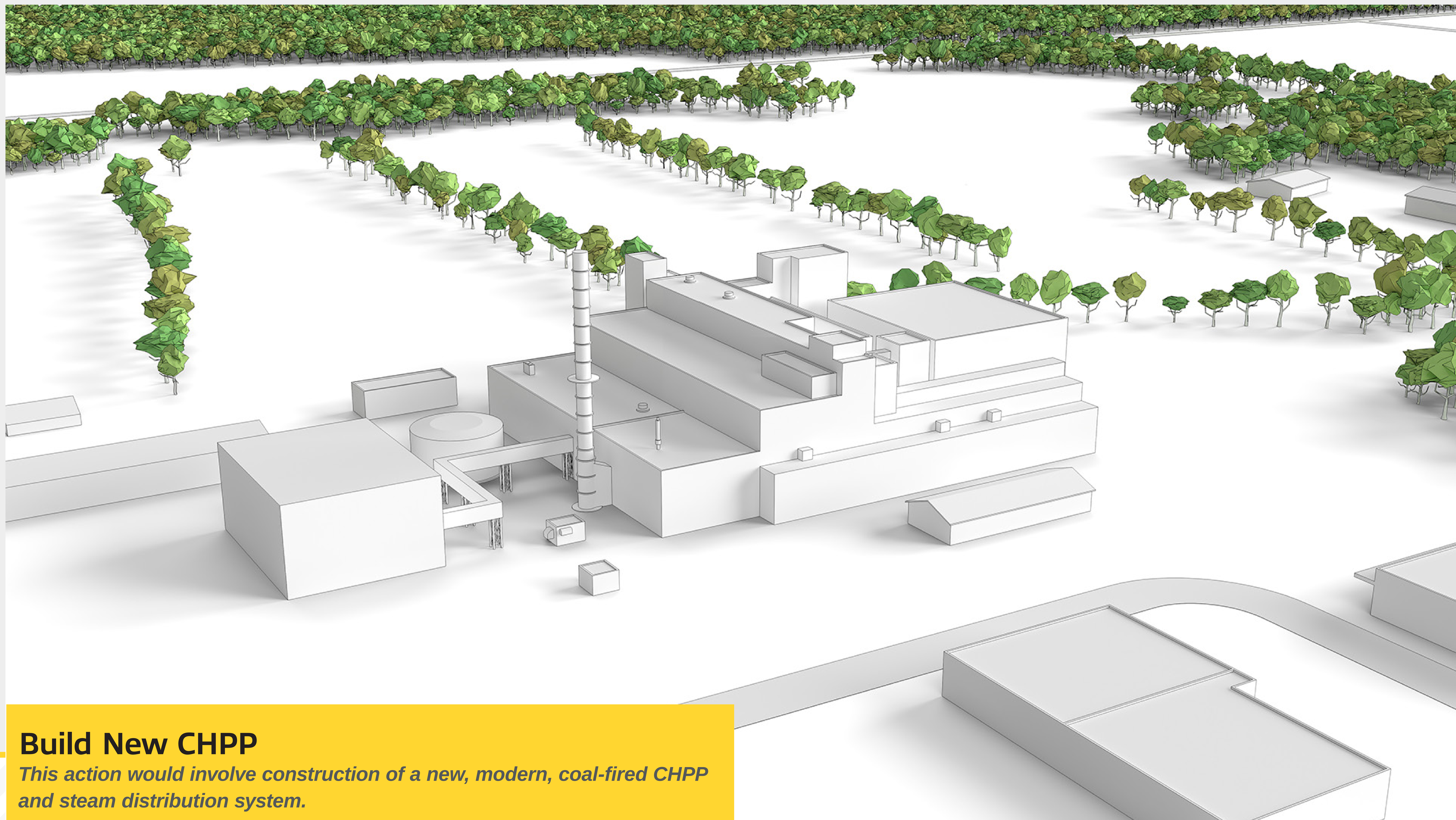


The above images are conceptual renderings.



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New Central Heat and Power Plant



Build New CHPP

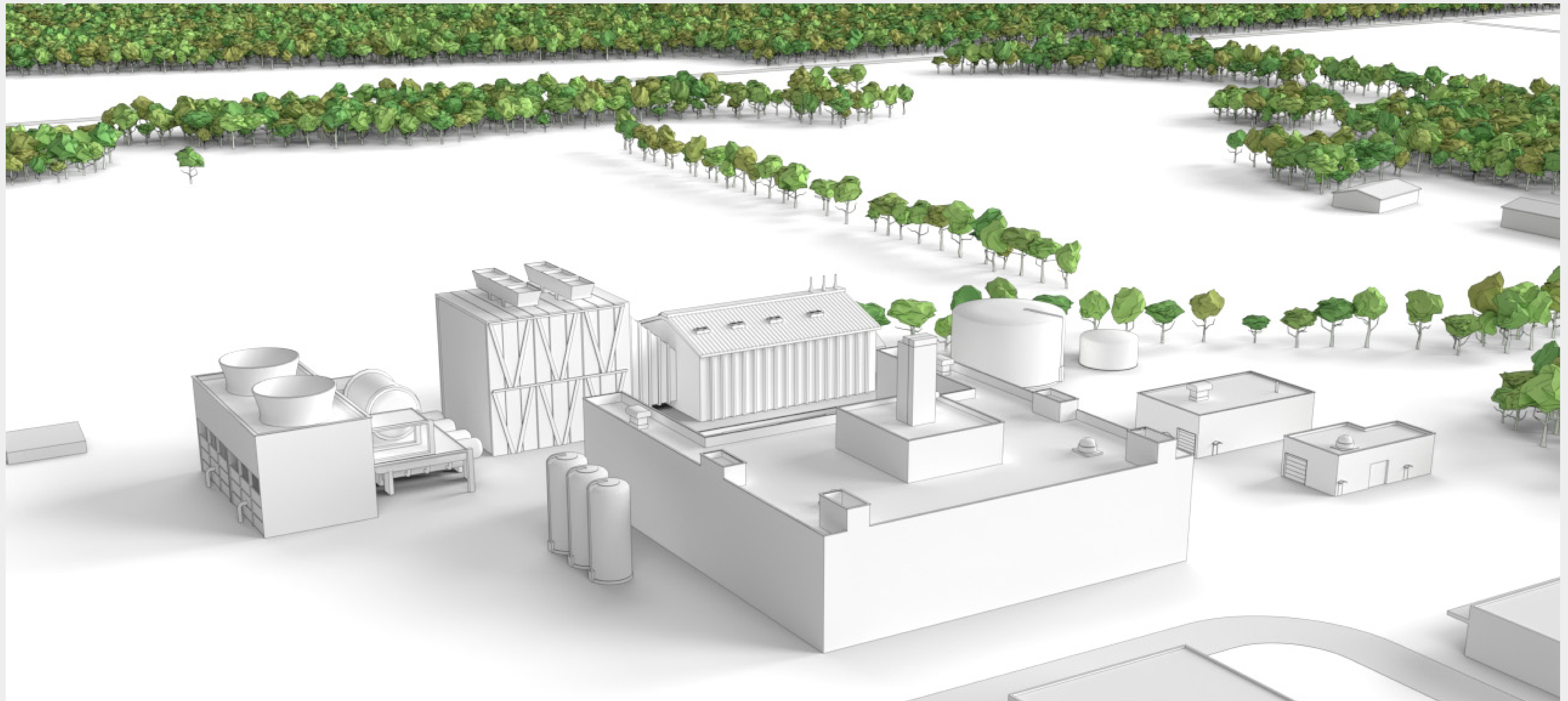
This action would involve construction of a new, modern, coal-fired CHPP and steam distribution system.

The above image is a conceptual rendering.



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New Dual-Fuel Combustion Turbine Generator CHPP



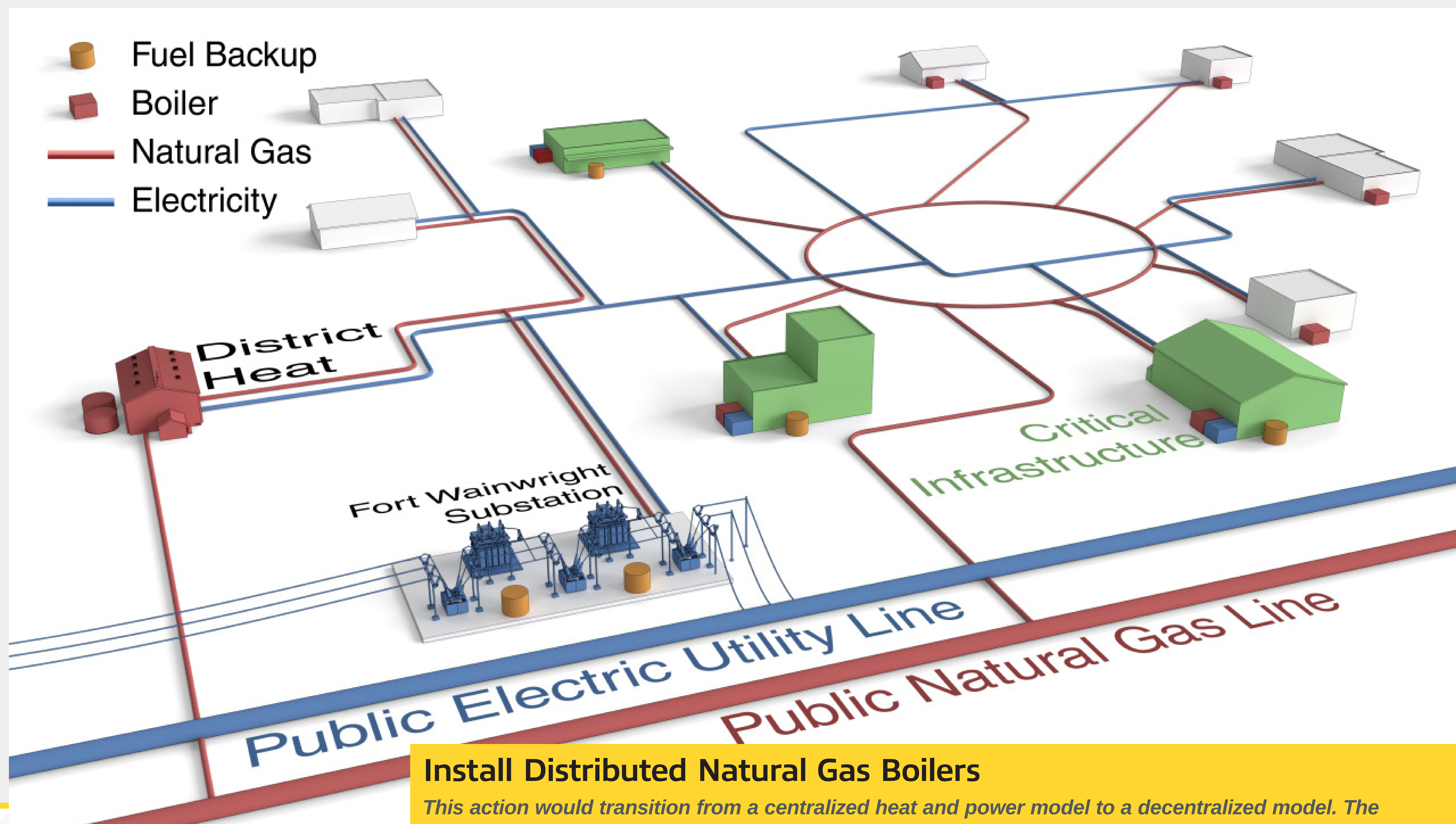
Build New Dual-Fuel Combustion Turbine Generator CHPP

This action would involve replacement of the existing CHPP with a new, modern, dual-fuel (natural gas and/or ultra-low sulfur diesel) combustion turbine generator CHPP with steam distribution.

The above image is a conceptual rendering.



Distributed Natural Gas Boilers



Install Distributed Natural Gas Boilers

This action would transition from a centralized heat and power model to a decentralized model. The Garrison would install multiple high-efficiency natural gas-fired boilers that would be dispersed at facilities across the installation to provide heat and would purchase all required electricity from a local utility provider.

The above image is a conceptual rendering.



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No Action Alternative



No Action Alternative

This action would be the continued use of the existing heat and electrical infrastructure without constructing any new facilities. Existing heat and electrical infrastructure would be maintained to be in compliance with regulatory standards.



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Resources Evaluated



Air Quality



Utilities



Hazardous and Toxic Materials
and Wastes



Socioeconomics



Environmental Justice



Noise



Land Use



Transportation and Traffic



Human Health and Safety



Geology and Soil Resources



Water Resources



Cultural Resources



Airspace



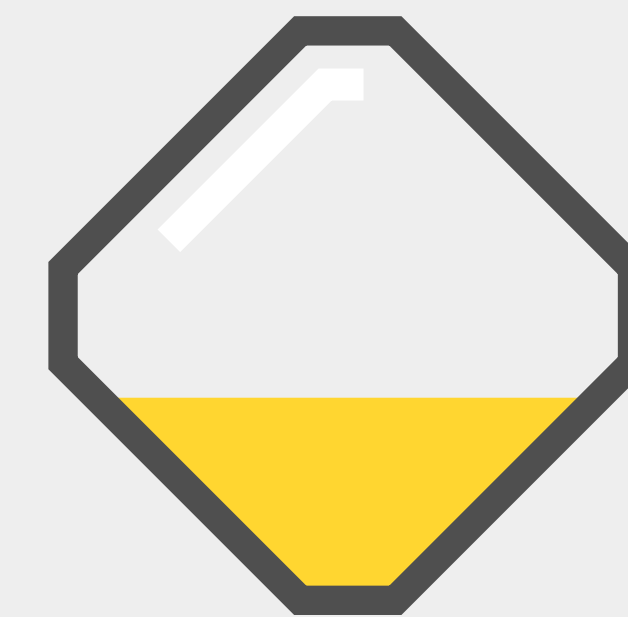
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Impacts Identified



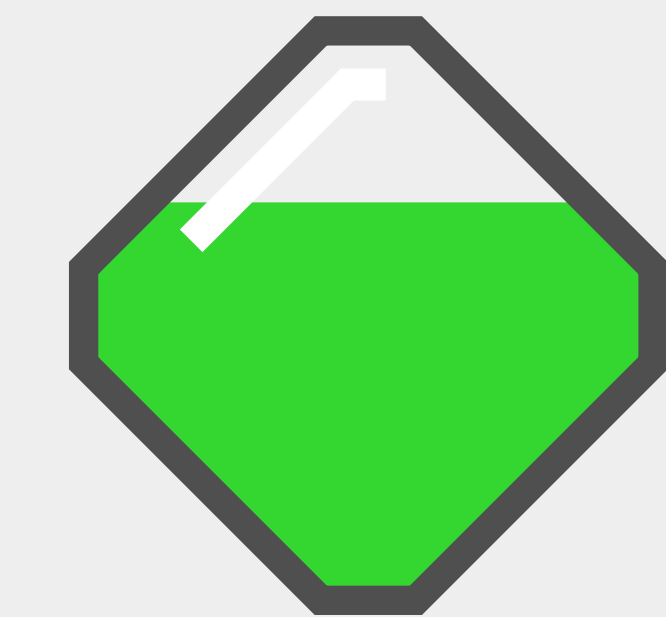
Significant Impacts

- Significant, adverse impacts would be anticipated for:
 - » Socioeconomics:
 - Alternatives 2 and 3, reduced coal demand
 - » Environmental justice:
 - Alternatives 2 and 3, reduced coal demand
 - » Cultural resources:
 - Alternative 3, utilidor upgrades in Ladd Field National Historic Landmark
- Under the No Action Alternative, significant, adverse impacts would be anticipated for utilities, environmental justice, and human health and safety due to continued risk of plant failure.



Less Than Significant Impacts

- Less than significant, adverse impacts would include increases in water turbidity; disturbance of sediments; noise from construction; localized habitat degradation; soil disturbance and erosion; stormwater runoff into surface water; and increased traffic, air emissions, and noise associated with construction vehicles and activities.



Beneficial Impacts

- Beneficial impacts would be anticipated for utilities (increased heating efficiency and improved system reliability).



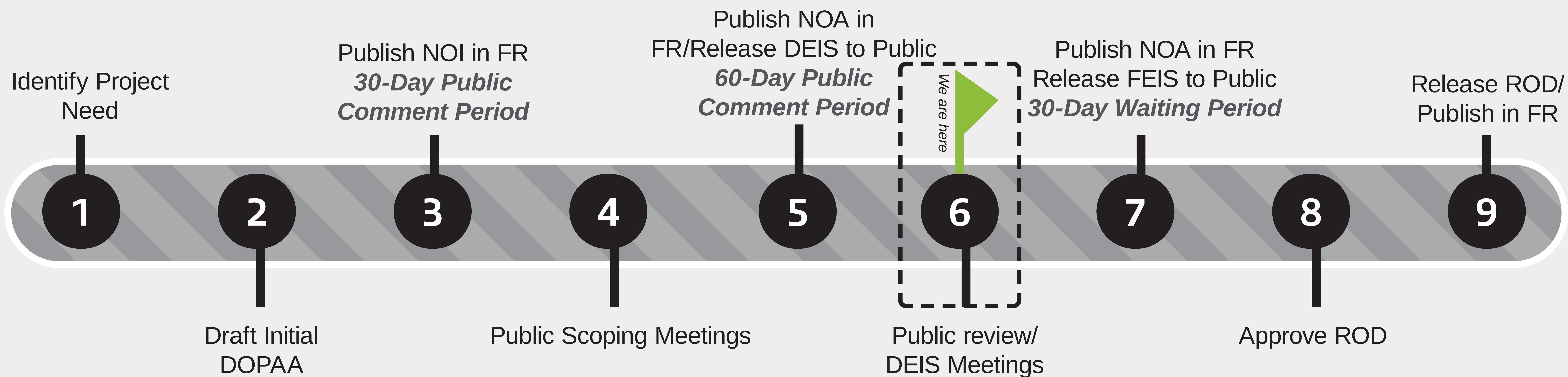
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NEPA Process and EIS Steps

U.S. Army Garrison Alaska is preparing an Environmental Impact Statement (EIS) to evaluate the potential direct, indirect, and cumulative impacts associated with implementation of the Proposed Action and No Action alternatives. To understand the environmental consequences of the decision to be made, the EIS evaluates the environmental impacts of the alternatives.

NEPA is a federal statute that requires agencies to identify and analyze the potential environmental impacts of a proposed action before deciding whether to proceed with that action.

EIS STEPS



ACRONYM KEY

DEIS: Draft Environmental Impact Statement
DOPAA: Description of Proposed Action and Alternatives
EIS: Environmental Impact Statement

FEIS: Final Environmental Impact Statement
FR: Federal Register
NEPA: National Environmental Policy Act

NOA: Notice of Availability
NOI: Notice of Intent
ROD: Record of Decision



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We Want to Hear from You!

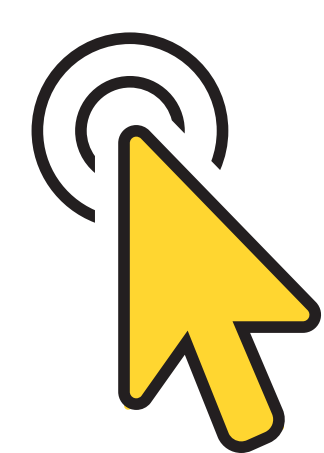
The Draft EIS comment period is from October 9, 2020, through December 8, 2020.

There are several ways to provide comments during the comment period.



Email:

usarmy.wainwright.id-pacific.mbx.heu-eis@mail.mil



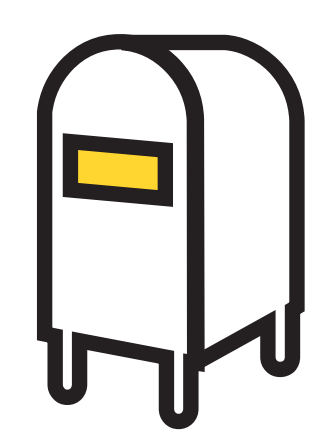
Online Open House available at:

<https://home.army.mil/alaska/index.php/fort-wainwright/NEPA/HEU-EIS>



Telephone Public Meeting:

Monday, November 9, 2020, from 5:00 p.m. to 7:00 p.m. Dial toll-free 855-756-7520 and use access code 65742.



Mail:

Ms. Laura Sample, National Environmental Policy Act (NEPA) Program Manager
Attn: IMFW-PWE (Sample)
1046 Marks Road #4500
Fort Wainwright, AK 99703-4500

If you need additional information or have questions on the NEPA process, please contact Laura Sample via email at usarmy.wainwright.id-pacific.mbx.heu-eis@mail.mil or visit the project website at <https://home.army.mil/alaska/index.php/fort-wainwright/NEPA/HEU-EIS>.