

Description

The facility has been designed using the municipality's Sustainable and Resilient Design Guideline to minimize carbon emissions, improve efficiency, and strengthen long-term resiliency.

Key features include an all-electric design with air source heat pumps, high-efficacy LED lighting with daylighting, energy recovery ventilation, smart controls, and a thermally efficient envelope.

The building is solar-ready, will undergo full commissioning, and is targeting high air tightness for efficiency. EV charging will be provided for 10% of parking spaces with capacity to expand to 30%, and full backup power will ensure resiliency during outages. Bird-friendly glazing and dark-sky lighting further reduce environmental impacts.

Together, these measures advance our commitment to sustainability and bring us closer to net-zero emissions by 2050.

Progress to Date

- We are in the process of completing the design for the facility. Once complete, we will be tendering the project to pre-qualified general contractors.
- We aim to complete construction by 2028.

Courtyard Landscape



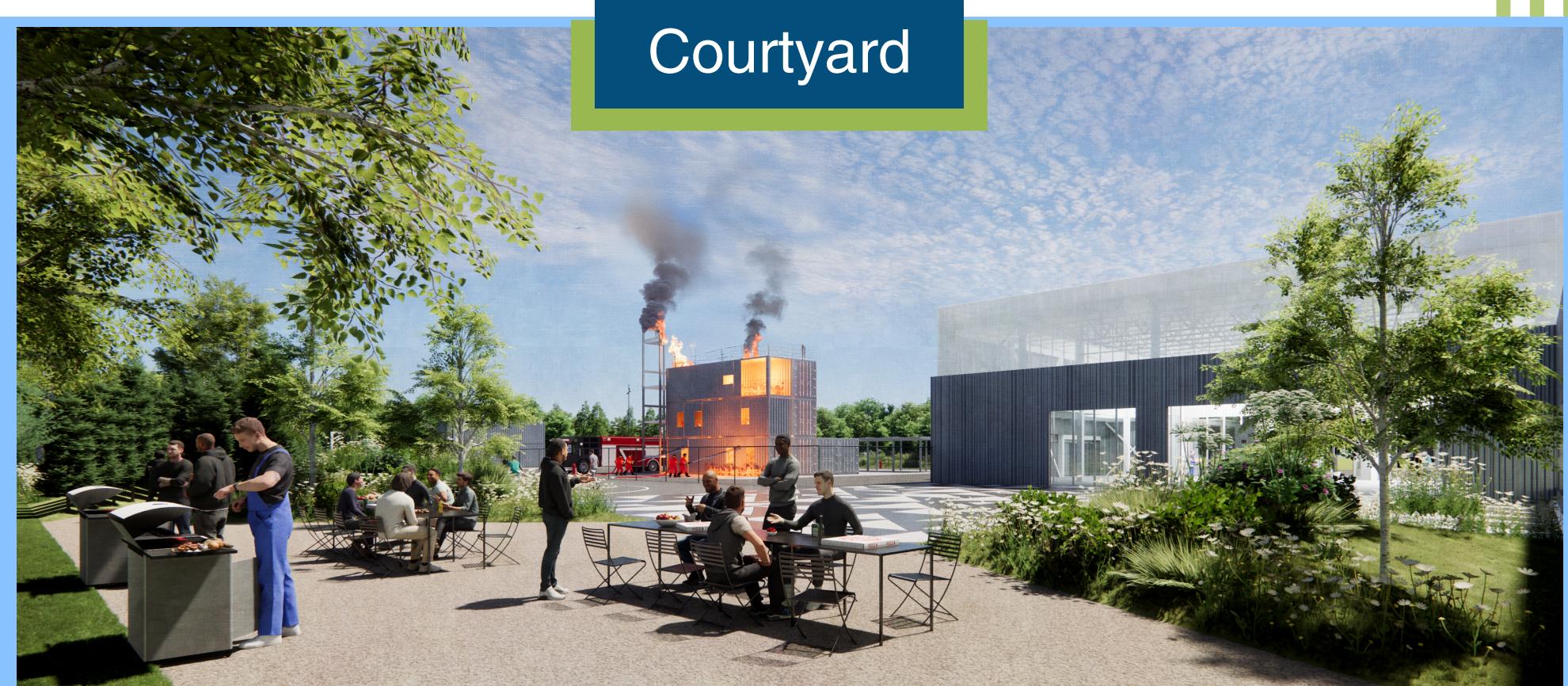
Desired Outcomes

By incorporating these design measures, the Municipality is aiming to reduce greenhouse gas emissions, improve energy efficiency, and enhance long-term resilience of the facility.

The all-electric design directly supports climate action goals by eliminating fossil fuel use, while commissioning, sub-metering, and verification ensure systems perform as intended and continue to deliver savings over time. EV charging and mobility connectivity encourage more sustainable transportation choices, while improved air tightness reduces operating costs and strengthens occupant comfort.

Together, these measures demonstrate leadership in sustainable building design, align with municipal climate commitments, and help future-proof the facility against rising energy costs and a changing climate.

Courtyard



Fire Hall



West Parking Lot



Long-term Vision and Sustainability Commitment

This facility has been designed using the Municipality's Sustainable and Resilient Design Guideline to reduce emissions, improve efficiency, and strengthen long-term resilience. Key features include an all-electric design, energy monitoring systems, EV charging, and enhanced mobility connections.

Together, these measures demonstrate leadership in sustainable building design and move us closer to our goal of net-zero emissions by 2050.