



Clive Project

LSD 8-16-040-24 W4M

Land Acknowledgement

We acknowledge that the land on which we operate is the traditional territory of many First Nations, Métis, and Inuit peoples. Today, on the National Day for Truth and Reconciliation, we pause to honour the survivors of residential schools, their families, and the communities affected by this enduring history. We recognize that reconciliation is not a single day of reflection, but a continuous journey of learning, listening, and meaningful action.

We remain deeply committed to building lasting, collaborative partnerships with Indigenous communities based on mutual respect, economic inclusion, and shared prosperity. Today, we encourage our employees, partners, and communities to reflect on our shared history, wear orange to honour the children who never came home and consider how we can all contribute to a path forward together.

ARMADA-NOWLIT ENERGY (ANE)

STRENGTH IN PARTNERSHIP



- Armada Energy signed an MOU with Invest Alberta to support future investment in Alberta.
- Armada intends to invest **USD \$200 million** in Alberta.
- The investment is expected to create approximately **100 jobs by the end of 2027**.
- The project supports Alberta's growing **energy, technology, and high-capacity computing sectors**.
- Armada's model focuses on using existing oil and gas assets and converting waste resources into energy.
- Invest Alberta will continue supporting Armada's mission to develop **renewable energy solutions** in the province.



Government
of Canada



Agenda

1



Benefits to Lacombe County

2



Project Overview

3



Site Location and
Planning Context

4



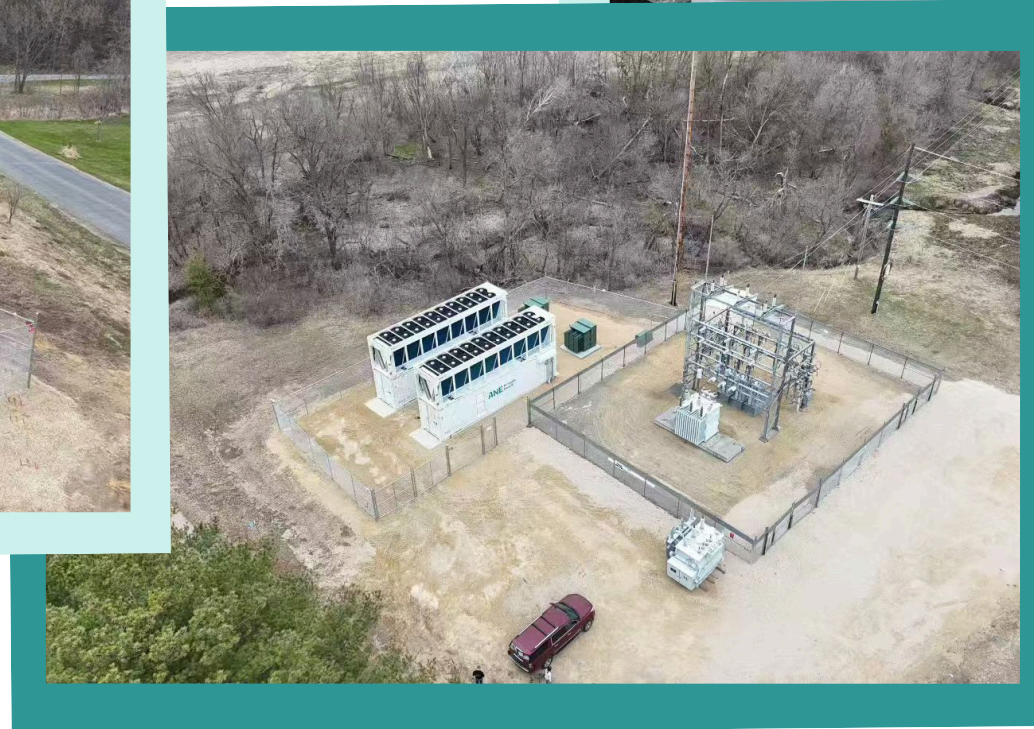
Development Concept
and Site Layout

5



Access, Servicing, Drainage, and
Environmental Considerations

Existing U.S. Facilities Wisconsin, 46MW



BENEFITS TO LACOMBE COUNTY

ANE Armada
Nowlit

LSD 8-16-040-24 W4M



Approx. USD \$2M
private infrastructure investment.



20–50
temporary construction jobs.



10–20
ongoing operations / service roles.



**Long-term non-residential
assessment value.**



Uses existing rural infrastructure
where practical.



Contained on-site operation
with limited land disturbance.



No major off-site transmission
expansion required.



SAFE & RESPONSIBLE
Designed and operated
to meet regulatory
and safety standards.



LOCAL BENEFIT
Supports local contractors,
services, and long-term
community value.



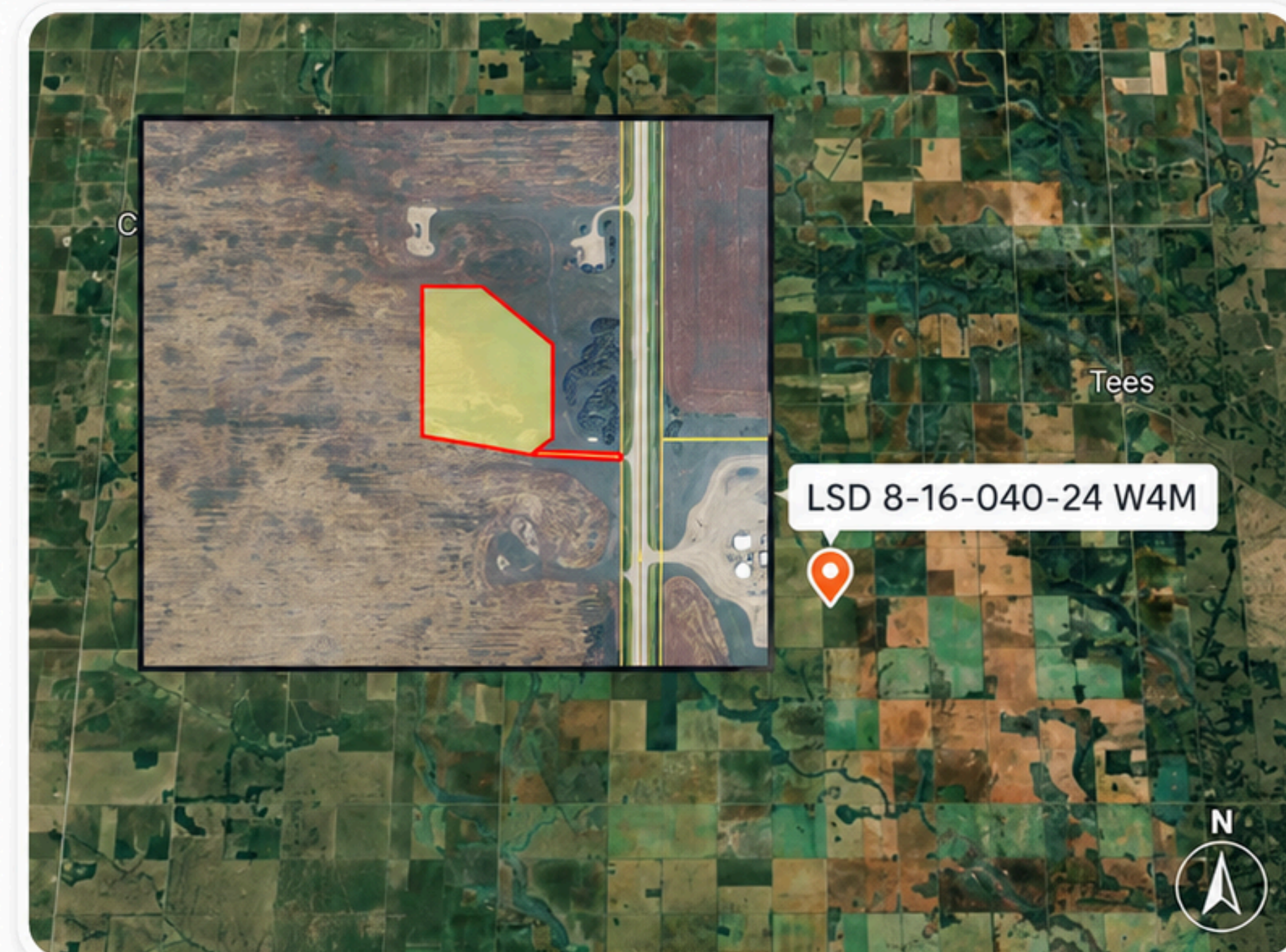
SUSTAINABLE APPROACH
Efficient use of resources
with minimal impact to
agriculture and residents.



PROJECT OVERVIEW

LSD 8-16-040-24 W4M

	Project Name	Armada Nowlit Clive Facility
	Coordinates	52.439558, -113.390506
	Capacity	19.8 MW
	Power Use	Electricity on site
	Grid Export	No export to AIES proposed
	Development Type	Single-site, secured rural infrastructure
	Municipal Stage	Rezoning / Concept Plan review



19.8 MW

Project Capacity



On-site electricity use

Electricity on site

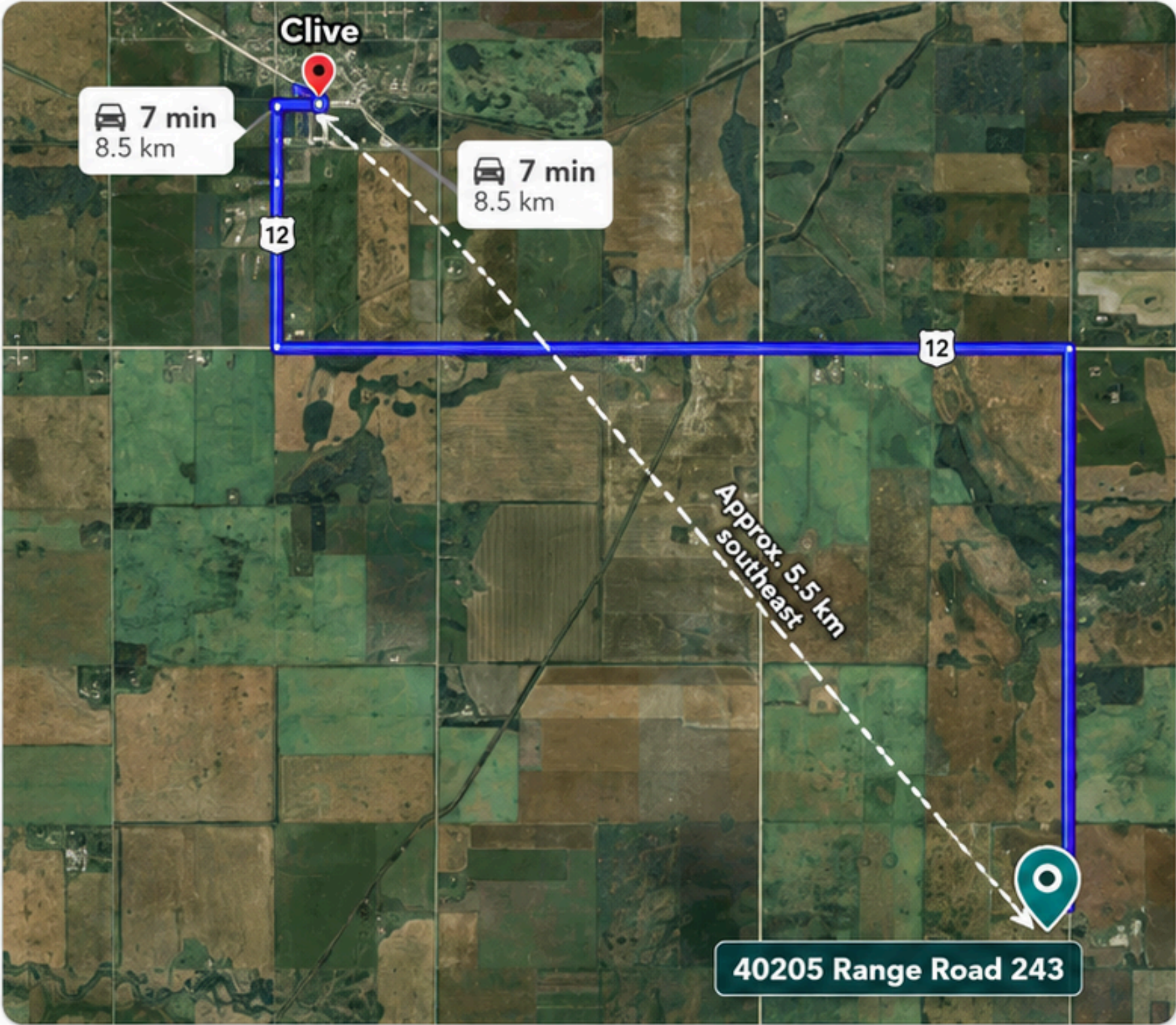


No AIES export proposed

No export to AIES

SITE LOCATION & SURROUNDING CONTEXT

	Location	LSD 8-16-040-24 W4M
	Distance to Clive	Approx. 5.5 km southeast (straight-line distance)
	Access	Range Road 243
	Road Type	Paved County road
	Nearby Roads	Twp Rd 400 / 402, Highway 12 connection
	Surrounding Use	Farmland, residences, farmsteads, oil & gas infrastructure
	Nearest Residence	Approx. 1.0 km northeast
	Footprint	Approx. 1.734 ha / 4.28 acres



 5.5 km SE of Clive

 Access via Range Road 243

 1.734 ha / 4.28 acres Footprint

STUDIES COMPLETED

Technical work completed to inform the land use amendment application



01

ENVIRONMENTAL EVALUATION

No significant constraints identified.



02

ENVIRONMENTAL PROTECTION PLAN

Measures protect air, land,
water and wildlife.



03

EROSION & SEDIMENT CONTROL

Controls incorporated into
construction planning.



04

AIR QUALITY ASSESSMENT

Predicted to comply with
Alberta standards.



05

NOISE IMPACT ASSESSMENT

Predicted levels remain
below nighttime limits.



06

EMERGENCY & FIRE SAFETY

Site-specific response
procedures established.



07

TRAFFIC & DRAINAGE

Road capacity and on-site
drainage confirmed.



08

DECOMMISSIONING & RECLAMATION

Future site restoration
plan established.



ENVIRONMENT • AIR • NOISE • SAFETY • TRAFFIC • DRAINAGE • RECLAMATION

MUNICIPAL PLANNING / DEVELOPMENT PROCESS

From concept development to construction



THROUGH REDESIGNATION,
THE COUNTY EVALUATES



LAND-USE
COMPATIBILITY



INFRASTRUCTURE
& SERVICING



ENVIRONMENTAL
PROTECTION



PUBLIC
INPUT

ACCESS, TRAFFIC & SAFETY

Safe, controlled, and temporary construction traffic with minimal long-term impact.



CONTROLLED ACCESS

Access from Range Road 243.



TEMPORARY CONSTRUCTION TRAFFIC

Planned deliveries, not ongoing truck activity.



COUNTY COORDINATION

Traffic Accommodation Plan, haul route review, signage / flagging as required.



SAFETY CONTROLS

Permits for oversize loads, on-site staging, no road blocking.



LOW LONG-TERM TRAFFIC

Maintenance and inspection visits only.



MINIMAL OPERATIONAL IMPACT

No public access, no customer traffic, no routine fuel trucking.

Construction Traffic & Schedule

Clive Project — Temporary Construction Activity

01

TRAFFIC



Construction

~10 people/day typical



Peak traffic

~3 vehicle trips/day



Maintenance

1–3 people/visit
1–3 visits/month



Operations

No public traffic
No permanent on-site staff

02

HAULING HOURS



Mon–Fri



7:00 a.m. – 6:00 p.m.



Saturday only if needed



No nighttime hauling

03

SCHEDULE



Council information presentation



Public meeting and notification



Construction after
approvals and permits



1–2 month
construction period



Operations after
commissioning

SERVICING & DRAINAGE

Clive Project — Low Municipal Servicing Burden



No Municipal Water

Closed-loop cooling: limited initial fill and maintenance top-ups only.



No Sanitary Connection

Portable / temporary worker services used as needed.



No Groundwater Well

No routine groundwater draw required for operations.



Natural Gas Supply

Natural gas supplied through nearby existing gas infrastructure.



On-Site Stormwater

Managed through grading, gravel surface, infiltration, and erosion controls.



No Wetland / Watercourse in Footprint

No mapped wetland or watercourse within the facility footprint.



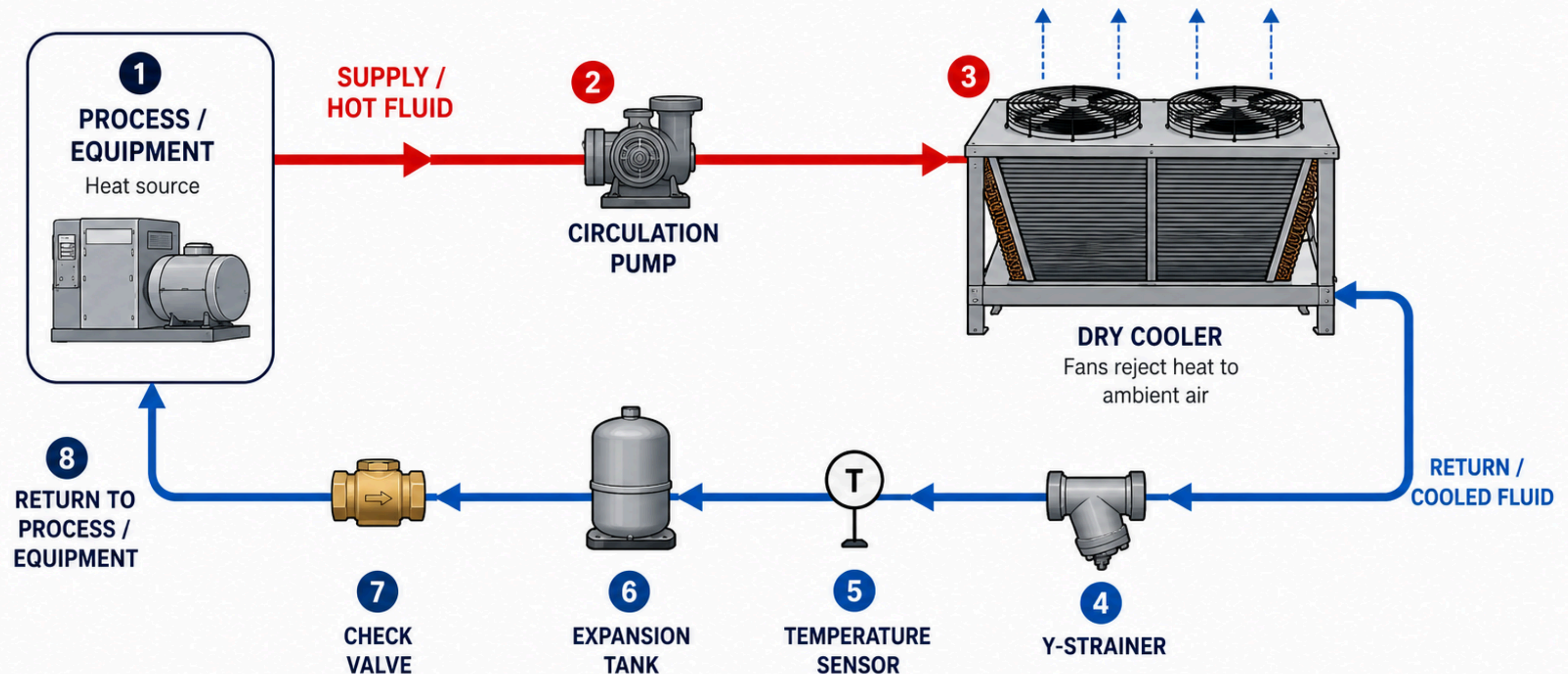
No municipal servicing burden. No planned groundwater draw. No off-site drainage impact.



Drainage design maintains existing flow patterns and avoids concentrated discharge to neighbouring lands or County roads.

CLOSED LOOP DRY COOLER SYSTEM

Hot process fluid circulates through a dry cooler, where heat is removed and released to ambient air. The cooled fluid then returns to the equipment in a closed loop.



- A closed loop system reuses the same cooling fluid continuously inside sealed pipes.

ENVIRONMENTAL CONTROLS: AIR, NOISE & SITE MANAGEMENT

Modeled. Controlled. Monitored.



Air Dispersion

- ✓ AERMOD modelling completed
- ✓ Predicted concentrations below Alberta objectives
- ✓ No significant air quality impact anticipated



Noise

- ✓ AUC Rule 012 assessment completed
- ✓ Nearest receptor R-01 approx. 970 m north
- ✓ Predicted nighttime level: 36.2 dBA
- ✓ Below 40.0 dBA limit; no extra permanent mitigation required



Site Management

- ✓ Downward / inward lighting where practical
- ✓ Spill kits, inspections, and maintenance in place
- ✓ Response procedures established
- ✓ Complaint process: inspect, document, correct, follow up



Air, noise, lighting, and site risks have been assessed, mitigated, and will be actively managed.

Regulatory Approvals

Agency	Status
Alberta Utilities Commission (AUC)	In Preparation
Alberta Environment and Protected Areas (AEPA)	Draft Approval
Historical Resources Act / OPaC Clearance	Approved
Lacombe County	Rezoning





ANE Armada
Nowlit

THANK YOU

