WONDER VALLEY

FACT SHEET

MUNICIPAL DISTRICT OF GREENVIEW NO. 16

GREENVIEW INDUSTRIAL GATEWAY

JOBS AND GROWTH

CONSTRUCTION PHASE:

An estimated **2,000–4,000 jobs** will be created over the next **10 years** during the construction phase, providing a major boost to the local economy.

FULL-TIME OPERATIONS:

Each phase of the project will generate approximately **100–150 full-time positions** for operations and maintenance.

SUPPORTING SECTORS:

Significant job opportunities will arise in supporting industries, including technology services, hospitality, transportation, and logistics.

ECONOMIC RIPPLE EFFECTS:

Partnerships with local businesses and vendors will enhance economic activity, promoting growth across multiple sectors

WATER

LOW IMPACT ON RIVER FLOW:

The Smoky River, with its large flow capacity and minimal current allocations, is well-suited to support the GIG's water needs. The project will utilize just **0.2% of the Smoky River's annual flow**, a fraction of its capacity. Unlike the heavily allocated Bow River, where approximately 60% of its annual flow is already committed to irrigation, municipal supply, and industrial use, the Smoky remains one of Alberta's least impacted waterways. This ensures the project's operations will not affect other users or the local ecosystem.

COMPARISON WITH OTHER INDUSTRIES:

To illustrate the scale:

- The Eastern Irrigation District alone, diverts **938 million m³ annually**, accounting for 12.64% of the Bow River's flow.
- The Sheerness Power Plant on the Red Deer River uses **22 million m³ annually**, representing 1.32% of the river's flow.

By contrast, the GIG's planned annual usage of 24 million m³ is negligible, reflecting a responsible and sustainable approach to water consumption.

EFFICIENT WATER MANAGEMENT:

- Water will be used in a **looped cooling system**, meaning it will serve multiple purposes: cooling equipment and then heating buildings before re-entering the cooling cycle. This reduces overall consumption.
- Additionally, the area's **cold climate** naturally supports cooling, which helps lower water use even further.

ELECTRICITY:

OFF-GRID POWER:

The Data Centre will operate independently of the main power grid, utilizing natural gas turbines and geothermal infrastructure to ensure a reliable and sustainable energy supply.

ENERGY REQUIREMENTS PER PHASE

Each phase of the project will require approximately 144 million cubic feet of natural gas per day to produce 1 GW of electricity per year. This results in an estimated 538 billion cubic feet (BCF) of natural gas per year for each phase of the project. This energy will be sourced from the region's abundant 200 trillion cubic feet of stranded natural gas resources, a currently underutilized asset.

SUSTAINABILITY GOALS

Through state-of-the-art technology and the integration of renewable energy solutions, the project aims for a near-zero carbon footprint, aligning with sustainability objectives while ensuring a continuous power supply.

COLLABORATIONS WITH LOCAL ENERGY PRODUCERS

Ongoing discussions with midstream natural gas producers in the area are focused on securing a reliable and sustainable supply for the Data Centre, further strengthening the local energy infrastructure.

DATA CENTRE SECURITY

1 ISOLATED INFRASTRUCTURE:

Most data centers operate independently of community infrastructure, meaning any disruptions are unlikely to spill over into local utilities or services.

2

RESILIENT DESIGN:

Modern data centers have robust contingency plans, including backups and redundancies, to prevent operational failures in the event of an attack.

3

PARTNERSHIPS WITH EXPERTS:

Collaboration with cybersecurity agencies and experts ensures the highest level of protection against emerging threats.

4

ENHANCED LOCAL SECURITY AWARENESS:

Hosting a data center can lead to increased cybersecurity training and awareness in the region, benefiting local businesses and institutions.

5

MINIMAL RISK TO RESIDENTS:

Any risks are contained within the data center's operations and do not pose direct threats to the safety or privacy of community members.

SIGNIFICANT IMPACTS FOR OUR COMMUNITIES AND REGION

INCREASED TAX REVENUE:

The project will significantly boost both residential and non-residential tax bases, funding improvements to municipal infrastructure and services.

FINANCIAL SECURITY

Phase 1 alone is projected to generate $21.9 million in salaries for full-time employees, directly benefiting small businesses through increased local spending and fostering economic growth.

YOUTH OPPORTUNITIES

Collaboration with Northwest Polytechnic (NWP) will potentially create training programs, internships, and career pathways for local youth, equipping them with skills for future employment.

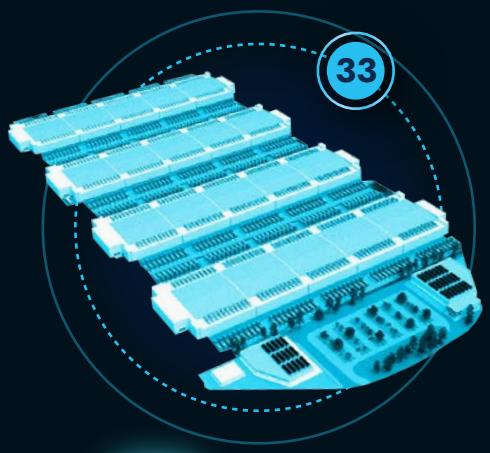
COMMITMENT TO LOCAL PARTNERSHIPS

A pledge to work with local vendors, workforce, and Indigenous communities ensures that the benefits of the project are shared equitably across the region.

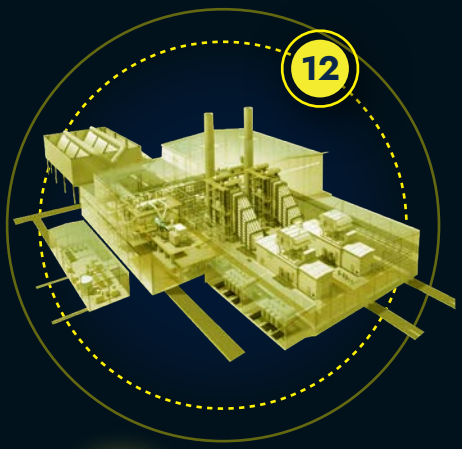
INNOVATION HUB:

The Data Centre will position the region as a leader in the technology and data storage sector, attracting further investment and solidifying its role in a high-growth industry.

O'LEARY DATA CENTRE DEVELOPMENT CONCEPT PLAN



DATA CENTRE



POWER PLANT

- Data Centre
- Office/ Warehouse
- Lay down and Staging Area
- Operations Facilities
- Electrical Generation
- Electrical Generation/ I.T Building
- Commercial / Office / Emergency Response
- Electrical Generation Corridor
- Worker Camp
- Roads
- Permanent Location for Water
- Temporary Location for Water

PHASE 1

2027
+1 GW
100 Acres

PHASE 2

2028	2029	2030	2031	2032
+1 GW	+1 GW	+1 GW	+1 GW	+1 GW
1100 Acres	2100 Acres	3100 Acres	4100 Acres	5100 Acres