



Morgan Valley Energy Center

Linn County, Iowa

Alliant Energy in Iowa

We proudly serve **500,000 electric** and **225,000 natural gas** customers across Iowa

Balanced Strategy

Our energy strategy balances traditional and renewable resources, as well as battery storage, to keep service reliable and costs stable



Community Investment

We invest in infrastructure and energy capacity that strengthens Iowa communities today and fuels growth for decades to come

Alliant Energy in Eastern Iowa

Linn County is our largest load center in Iowa, with a strong presence in Cedar Rapids.

Community Commitment

With 600+ employees in Linn County, we are deeply rooted in the Cedar Rapids community and committed to powering its continued growth.

Balanced Investments

We invest in a diverse mix of generation, including natural gas, solar, and battery storage, to maximize reliability and affordability.

Economic Growth

As our largest load center, Linn County's energy capacity attracts new investment, creating new jobs, increased tax revenue, and long-term opportunities.

OUR CEDAR RAPIDS REGION FOOTPRINT

- Prairie Creek Generating Station
- Cedar River Generating Station
- Pleasant Creek Solar
- Deer Run Battery Storage
- Cedar Rapids Community Solar Project
- **PROPOSED: Morgan Valley Energy Center**

Growing Linn County

Morgan Valley Energy Center is critical to provide reliable, secure energy to our customers and meet increased load obligations.

Morgan Valley Energy Center (NEW)

Technology: Combustion turbine facility

Capacity: 720 MW

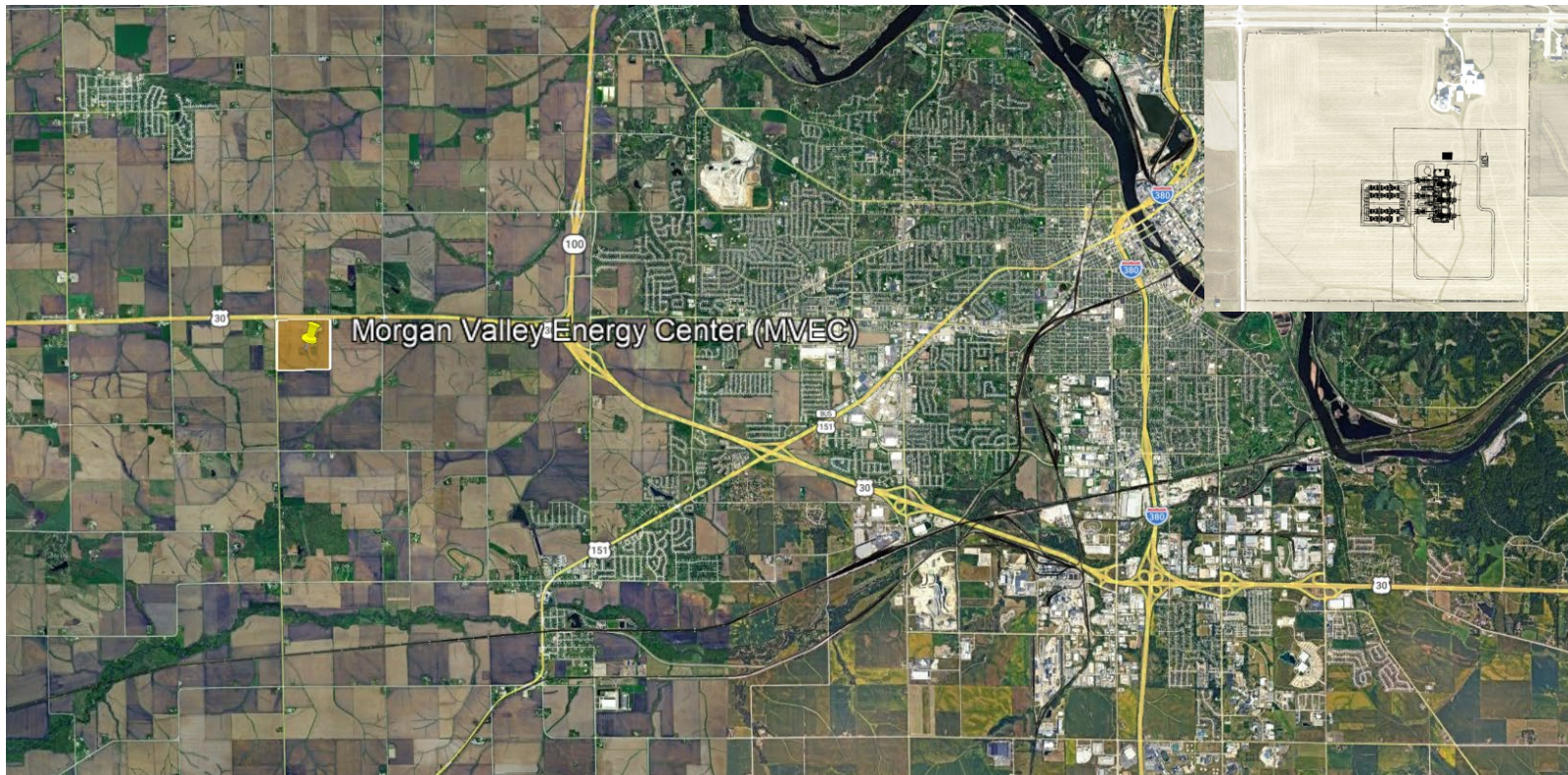
Purpose: Necessary to meet energy load obligations

Footprint: Meets the siting requirements of Linn County and the preferences of Eastern Iowa Airport.

WHY BUILD IN LINN COUNTY?

Siting Morgan Valley Energy Center in Linn County, our largest load center, is a cost-effective decision for our customers. The site chosen has access to the necessary infrastructure needed to operate the facility, while also complying with the preferences of Eastern Iowa Airport and Linn County's EU-2 zoning ordinance setback at 2.25 miles.

Morgan Valley Energy Center



Our Balanced Energy Portfolio

We invest in natural gas generation alongside renewables to keep energy reliable and affordable.

WIND

Top-5 regulated wind owner nationwide with approval for ~1,000 MW more in Iowa

SOLAR & BATTERY STORAGE

Continued expansion of solar and battery storage across the service territory

NATURAL GAS

We are investing in natural gas across Iowa with the Bobcat, Burlington, Cedar River, Morgan Valley, and Riverhawk Energy Centers

Together, these resources reinforce a reliable, cost-effective energy system that supports customers and communities through peak demand and severe weather.

How We Evaluate the Need for New Resources

Before proposing any project, we ask three fundamental questions to make sure it is the right thing to do for our customers and communities.

“Is the energy supply reliable?”

Reliability

We forecast how much energy our customers will need in the years ahead. If demand is growing faster than our current supply can handle, we need to plan now so the lights stay on tomorrow.

“Does this provide value for our customers?”

Affordability

We compare different ways to meet that need — renewables, natural gas, energy storage, and more — and choose the options that keep costs reasonable for customers over the long term.

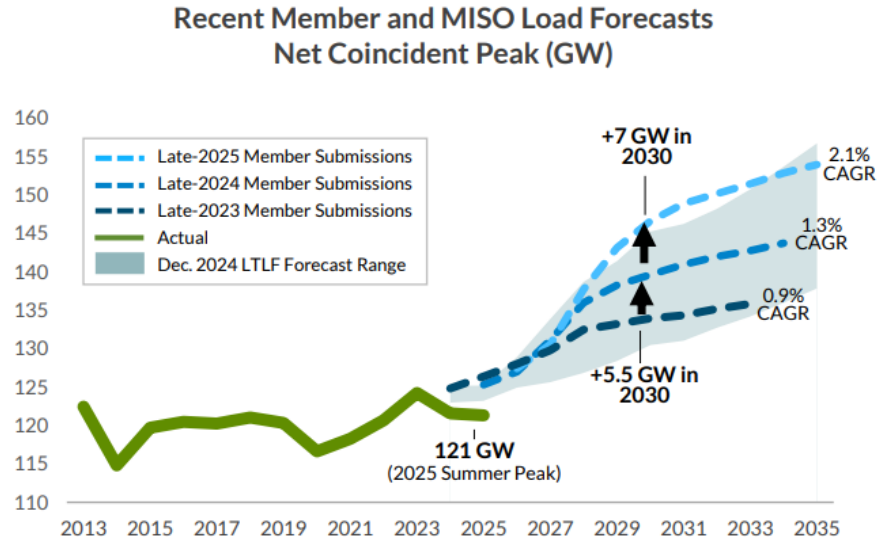
“Will it benefit communities we serve?”

Community Benefit

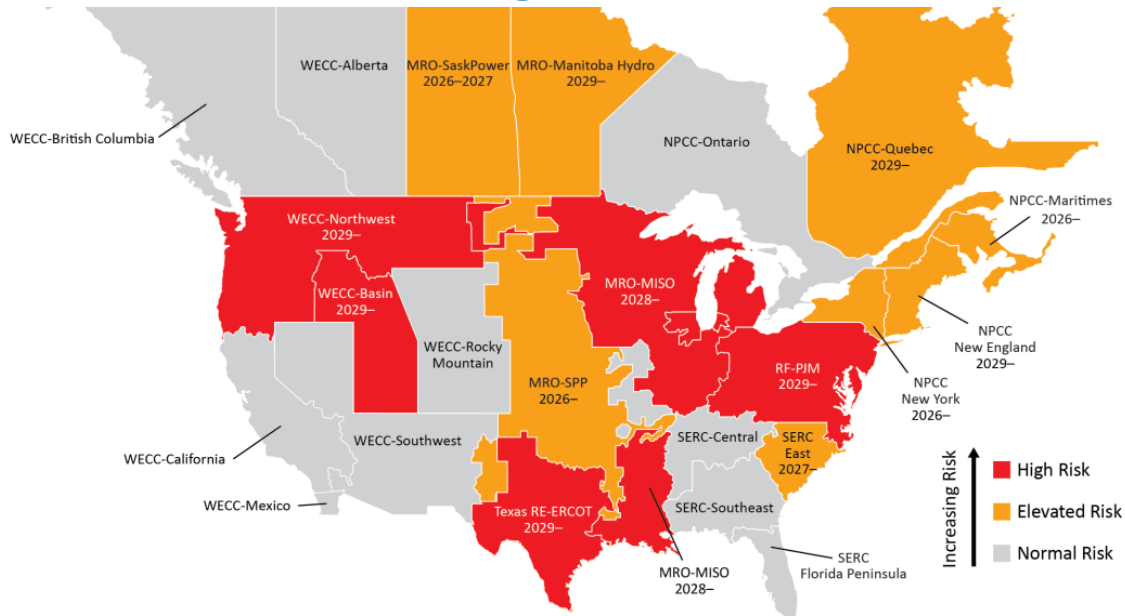
We consider how a project affects the people and places around it — jobs, tax revenue, environmental impact, and quality of life. A project must be in the public interest to move forward.

Energy Demand is Increasing

- Electric utilities within the Midcontinent Independent System Operator (MISO) footprint must secure capacity resources sufficient to meet their forecasted seasonal load with reserve margin to support reliability.
- Load is growing in Alliant Energy's service territory and across MISO. Reliability obligations are evolving.
- In a future regulatory proceeding, the Iowa Utilities Commission will determine the prudence of investments made on behalf of customers.



Resource Adequacy in the Midwest and US



Alliant Energy is in the Midwest Reliability Organization (MRO) and the resources are dispatched by the Midcontinent Independent System Operator (MISO)

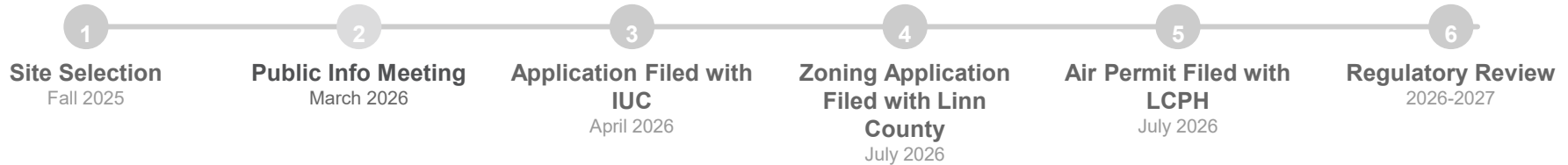
Meeting reliability needs relies on implementation of 50 GW of expedited resource additions

2025 LTRA						2025 LTRA with MISO ERAS Additions					
Risk Level (High, Elevated, or Normal)						Risk Level (High, Elevated, or Normal)					
2026	2027	2028	2029	2030		2026	2027	2028	2029	2030	
					→						

Source: NERC 2025 Long-Term Reliability Assessment

Regulatory Process Overview

Morgan Valley Energy Center is subject to extensive, independent regulatory review.



- ✓ Morgan Valley Energy Center is subject to a multi-layer, independent regulatory review from the Iowa Utilities Commission (IUC) and Linn County Public Health (LCPH). Additionally, the project will be designed to meet Linn County EU-2 zoning requirements.
- ✓ Alliant Energy must prove this project is in the public interest and meet stringent requirements regarding emissions and public health. A multi-month regulatory approval process will occur between 2026 and 2027.
- ✓ Construction cannot begin until Alliant Energy meets all regulatory requirements from LCPH and the IUC approves the application.

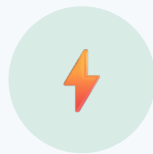
The Role of Morgan Valley Energy Center

Morgan Valley is needed to support load obligations and deliver reliable energy to customers.



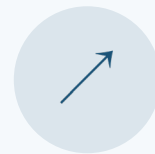
Balanced Resources

Complements our renewable portfolio with reliable, dispatchable generation that keeps the grid stable when wind and solar are unavailable or when demand is high.



Energy Security

Provides 720 MW of on-demand capacity that strengthens grid resilience and ensures dependable power delivery to homes and businesses across the region.



Growth Capacity

Creates available energy capacity that attracts new employers, supports existing business expansion, and generates long-term economic opportunity for the Cedar Rapids region.

Project Overview

CAPACITY

720 MW

Natural gas-fired generation

ELECTRIC INTERCONNECTION

Morgan Valley Substation

The Facility will interconnect to two ITC transmission lines via an on-site substation.

TRANSMISSION OWNER

ITC Midwest

Electric transmission

NATURAL GAS PIPELINE

The Facility will be provided natural gas via a pipeline built, owned, and operated by an interstate natural gas pipeline supplier.

WATER

Alliant Energy is required to meet the requirements set by the DNR. The facility uses a closed-loop system, minimizing water use.

LAND USE

55 Acres for Facility

160 Acres Total

Purchase agreements secured

Site Selection Considerations

Proposed Morgan Valley Energy Center Site: south of HWY 30, east of Linn Benton Road

Interconnection

- Access to adequate fuel supply and electrical outlet (pipeline expansion required)
- Minimize interconnection facilities
- Minimize regional transmission system upgrades

Land Suitability

- Proximity to dwellings
- Appropriate drainage and terrain
- Floodplain and transportation access

Environmental & Cultural

- Existing local air quality
- Endangered species
- Wetland habitat
- Historical and cultural resources

Meets Local Siting Expectations

- Current site was chosen based on the 2.25-mile setback put in place by Linn County and the feedback received from Eastern Iowa Airport
- Many sites were considered, including within the Big Cedar Industrial Center

Site Selection Timeline

How Alliant Energy arrived at the current Morgan Valley Energy Center site

Early 2025



Project proposed for Big Cedar Industrial Center near Fairfax. The site is owned by Alliant Energy and is in an industrial area.

Summer 2025



Feedback from Eastern Iowa Airport raises concerns about site viability. Key stakeholders urge Alliant Energy to consider additional sites.

Fall 2025



Alliant Energy deprioritizes the Big Cedar site and begins new round of site selection, both within Cedar Rapids and unincorporated Linn County.

Early 2026



Site viability within Cedar Rapids is limited. At the same time, Linn County passed a new ordinance that introduced new setback requirements. The Morgan Valley property meets the new setback requirements.

Early 2026



Alliant Energy enters into purchase agreements with willing landowners and announces current Morgan Valley site.

Project Schedule



Key Milestones

File with IUC → Environmental review → Permit approvals → Site preparation → Facility construction → Commissioning → Commercial operation

**Subject to change*

Morgan Valley Energy Center View

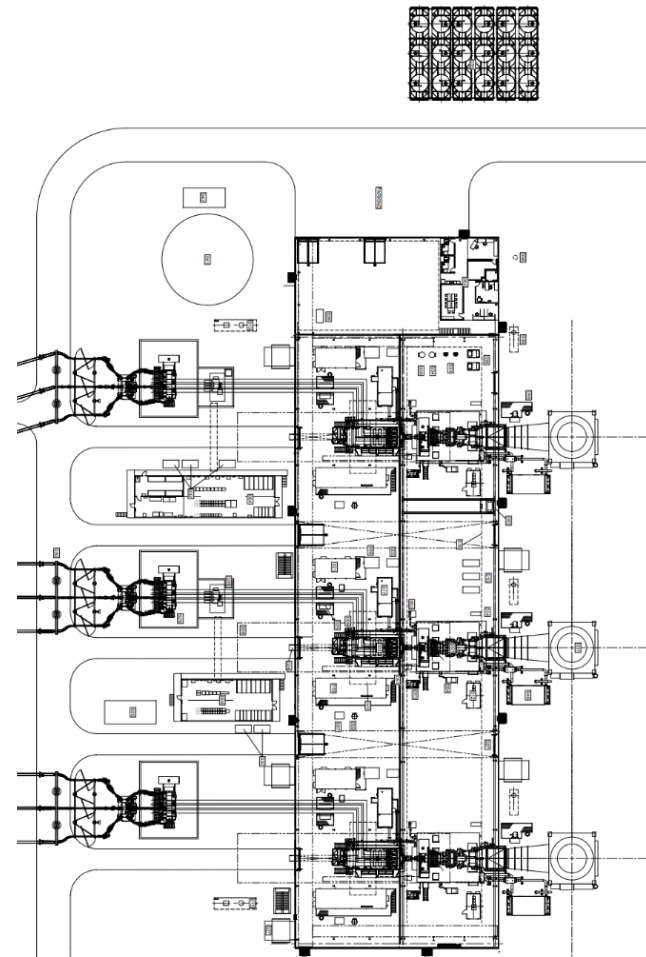


Note: Photo renderings are for illustrative purposes only. The final siting of the facility within the designated parcel and equipment design will meet all regulatory requirements and is subject to approval.

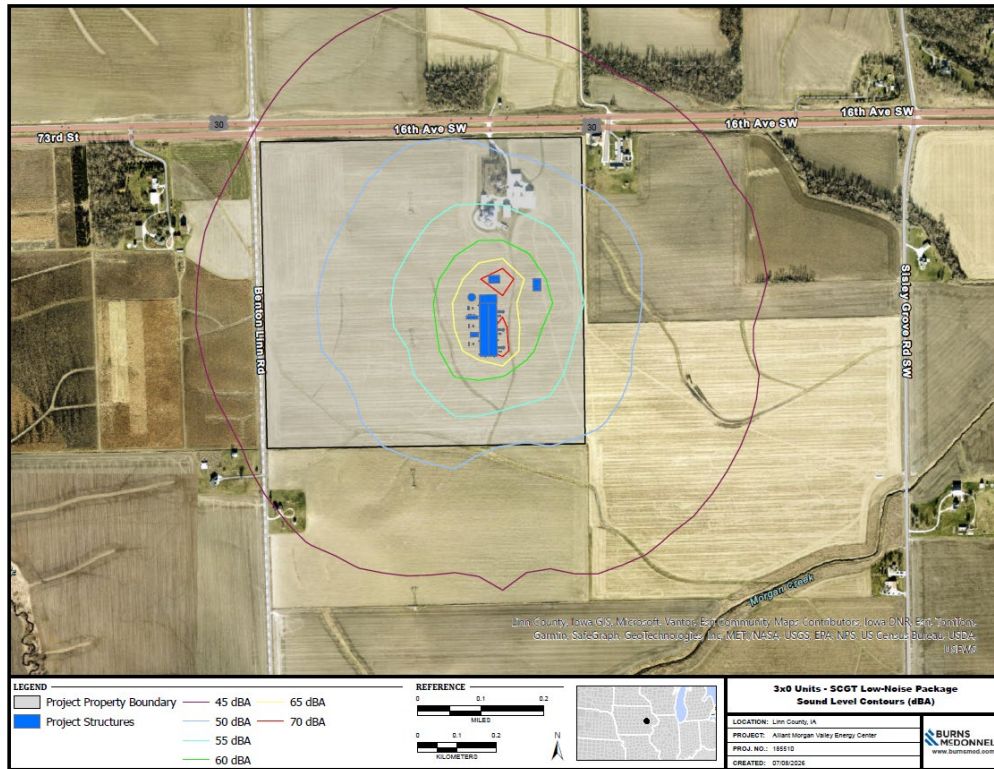


Project Components

- Fin fan coolers/radiators
- Maintenance/warehouse building
- Admin/control building
- Exhaust stacks
- Auxiliary/electrical building
- Generation interconnection
- Gas yard



Preliminary Sound Levels



Sound Pressure Level (dBA)	Environment
100	Motorcycle at 25 feet
90	Small propeller aircraft flyover
80	Heavy truck passing at 50 feet
70	Inside a commercial aircraft cabin (smallest circles)
65	Washing machine running
60	Normal Conversation at 3-5 feet
55	Light Rainfall or quiet office
50	Private office
45	Public library (largest circle)
40	Quite rural area with light breeze
30	Quiet Bedroom at night

Our Environmental Commitments

Protecting the environment and public health is central to how we plan, build, and operate.



Natural Resources

We anticipate no impacts to wetlands, endangered species, or cultural resources during construction or operation. Field reports are included with the application to the IUC.



Water Use

The facility is designed to minimize water use and wastewater discharge. When ambient temperatures are less than 59 degrees F, the water use is comparable to a single-family home.



Air Quality

Air emissions will be carefully evaluated by experts at the LCPH and IDNR. We must demonstrate that the facility will meet all air quality standards before construction begins and throughout operation.

We take our environmental and public health responsibilities seriously and consistently meet the standards set by our regulators.

Environmental Studies and Mitigation

The following studies are part of the environmental permitting process.

1

Wetlands and Waterways

Completed: April 2026

2

Endangered Species

Completed: April 2026

3

Cultural Resources (Archeological)

Completed: April 2026

4

Air Construction Permit

Expected to Submit Application: July 2026

Construction can begin only when studies are complete and meet the regulatory standards set by the Department of Natural Resources, Linn County Public Health and the State Historical Preservation Office.

Environmental Studies and Mitigation

Our Approach Follows the Established Regulatory Timeline

- We are requesting a generating certificate at this stage **because the regulatory process is designed this way**. Environmental studies and the permitting process occur on parallel tracks — both are part of a coordinated timeline established by regulators.
 - **Seasonal accuracy requirements:** Most environmental field work can only be conducted during specific times of the year to produce scientifically valid results. Wetland delineations, endangered species surveys, and archeological surveys depend on seasonal conditions that allow for an accurate assessment of the site.
 - **Parallel tracks by design:** The air permit application will be reviewed by Linn County Public Health in parallel with the IUC review. These reviews are thorough and include opportunities for public involvement.
 - **No construction without completed studies:** All environmental studies must be completed and meet regulatory standards before the Iowa Utilities Commission will allow us to begin construction on the project.

Our Commitment: Growth

When growth is structured correctly, it can help keep rates stable for everyone.

You will not pay for large-load user growth. Large-energy users pay for the grid investments needed to serve them, not existing customers.

Your reliability comes first. We complete necessary upgrades before adding new energy loads, so your service stays dependable.

Independent oversight protects you. Regulators review and approve all investments and rates, with ongoing reporting to ensure accountability.

Growth without burden. New growth adds jobs and strengthens the tax base while we maintain cost-effective, reliable service for all.

Our Commitment to You

Alliant Energy has committed to keeping electric base rates stable through the end of the decade.

When growth is structured correctly, it can keep costs stable for everyone.

PHONE

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WEBSITE

alliantenergy.com/morganvalley

IUC DOCKET

GCU-2026-0002

