



RED WOLF DCD

DATA CENTER  
CAMPUS

## What is a Data Center?

Data centers keep the internet working fast and enable important operating systems for hospitals, banks, businesses and other community services.

Data centers are the **backbone systems**

for:

- **911 AND EMERGENCY SERVICES**
- Smartphone connectivity
- Remote learning and working
- Hospitals and medical practices
- Banking and financial systems



**CRISP  
REGIONAL**





# Data Centers **ENABLE:**

## MISSION CRITICAL

- Crisp County Public Safety
- Crisp County Police Department
- Crisp Regional Medical
- Crisp County Fire Department
- AI – Modeling and Learning

## LOCAL ENTITIES SUCH AS

- Churches and Nonprofits
- Small Local Businesses
- Restaurants

## DAILY LIFE

- Social Media
- Search Engines
- Music Streaming
- Podcasts
- Banking
- All Email
- Photo and Video Cloud Storage

## What Are The Power Impacts?

- No effect to existing power supply
- No power draw from the local community - - excess capacity is utilized
- New power capacity created to meet future demands
- Developer-funded investment in power infrastructure upgrades
- Existing rate payers will not be impacted

**BENEFIT: INCREASE IN POWER RELIABILITY FOR COMMUNITY RESIDENTS**

## What Are The Water & Sewer Impacts?

### Water Consumption



\*Daily Usage, Residential Home

- Daily water use by about 180+ employees. (30-50 per building)
- Per the City of Cordele water supply and sewage treatment and sewer line capacity are currently available. Wells will not be used.
- The proposed cooling technology will not cause a strain on the local water system.

## What Are The Economic Impacts?



- 400 construction jobs over 6 years
- 180+ New permanent, full-time jobs
- The average salary will be \$80,000
- Up to \$180,000 for Site Leadership
- 270 ancillary Community jobs

# Crisp County School Impacts

## Data Center

- ~\$4M annual tax revenue generation for Crisp County schools
- Low additional student impact



## How is RedWolf Considering Noise?

**TREES** can create a more pleasant sound environment by introducing natural sounds. This effect can make the overall soundscape more enjoyable.

- An approximate 100 feet wide vegetated barrier can reduce noise levels by 5 to 8 decibels.
- A dense buffer will be planted at a variety of heights to increase effectiveness.
- A mixture of evergreen and broadleaf plants will be utilized to provide a noise buffer and sound reduction.



## How is RedWolf Considering Noise?



### **Absorption**

Trees absorb sound waves.



### **Deflection**

Sound waves can bounce off the surface of trees and shrubs, redirecting them away.



### **Refraction**

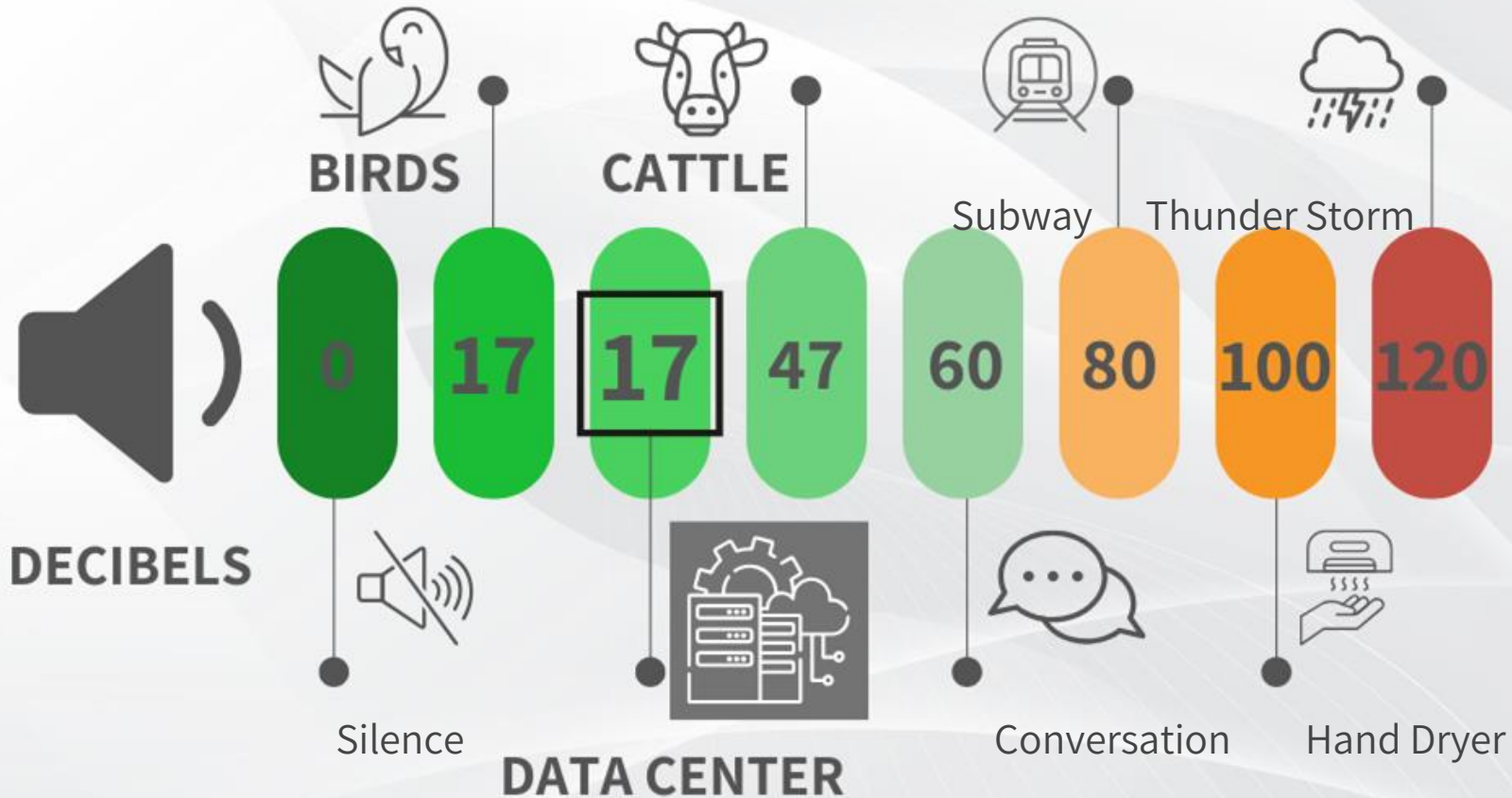
As sound waves pass through different mediums they can change direction. This refraction can help scatter sound waves, reducing their intensity.

## How is RedWolf Considering Noise?

Integration of sound mitigation measures into the building by installing machinery and equipment integrated with **noise-reducing technology** such as:

- Aerodynamic fan-blades
- Vibration dampeners
- Acoustical enclosures
- Exterior sound-absorbing walls
- Generators located within building yards, with sound enclosures

## How is RedWolf Considering Noise?



# FAQs

## How is RedWolf Considering Noise?





## How is RedWolf Considering Noise?



## How is RedWolf Considering Lighting?



**Site and Building  
Lighting pointed  
downward**

## How is RedWolf Considering Traffic?

Day to day traffic is primarily employee vehicles with occasional deliveries



**Residential Homes  
& Industrial Warehouse**  
4,342 Trips Per Day



**Data Center**  
2,482 Total Trips Per Day

**DATA CENTER RESULTS IN 43% LESS TRAFFIC**



## How is RedWolf Considering The Environment?



- Planting greenery to offset carbon emissions and create a pleasing aesthetic - resulting in more foliage than exists today.



- There are no emissions (steam, smoke, chemicals, etc) that would impact air quality.



- The data center will use less water than residential homes in the same footprint.



- Measures will be taken to meet local code for stormwater quality and stream protection measures.



## How is RedWolf Considering The Environment?



- The site will not have any planned industrial discharge.



- The site sewer discharge will be similar to residential home discharge.



- Engineering and grading would fortify the area to avoid flooding and/or erosion.

## What Does This Mean For The Community?

Other areas benefiting from significant data center tax revenue have been able to boost funding for critical needs such as:

- Public education
- Infrastructure
- Public health initiatives
- Capital improvements
- Parks and recreation programs

**DATA CENTERS ARE POWERFUL INVESTMENTS FOR OPPORTUNITY IN  
LOCAL COMMUNITIES**

# What Does This Mean For The Community?

- 180+ new jobs paying well above the county average
- Millions in new investment
- Training partnerships with local high schools and technical college
- Local hiring strategy
- Diversity in local economy for economic resiliency
- A commitment to be a supportive local business
- Increased reliable power infrastructure
- Diversity of internet providers with higher streaming capacity
- Improved emergency services connectivity

# Crisp County: The Choice for Innovation and Community

- Minimizing environmental impact
- No burden on public infrastructure
- No pollution from data center operations
- Minimal traffic impact
- Meeting the most restrictive constraints of the building code regulations
- Increasing tax revenue and investment in community schools and infrastructure