

# WHEN **YOUR DAY DOESN'T END** WHEN **THE SUN GOES DOWN**



## LED

LED lighting systems have proven to be a key role with our customers to improve milk production on dairy farms.



## IoT

Save money with lighting control programs and energy saving control systems to bring your business to your fingertips.



## Solar Energy

Cut costs, reduce taxes, and create a sustainable future with solar.



**214-865-6160**



# LEDs

# WERE MADE FOR DAIRY FARMS.



## Increase Milk Production (5% or more)

Increasing the amount of light that cows are exposed to from 13 continuous hours to 16 hours followed by 6-8 hours of uninterrupted darkness will decrease melatonin and increase milk production.



## Safer and Healthier Dairy Cows

LEDs do not emit UV. This means less flies around the cows. Additionally, the workers can easily spot injured cows and signs of disease under the brighter light.



## Relaxed Dairy Cows

With LEDs, there are no shadows for cows to investigate and no flickers or buzz noises which reduce stress.



## Better Quality Milk

Inspecting and cleaning equipment is easier under the bright LED lights. This means there is a lower bacteria count and higher quality of milk production.



## You Dictate the Amount of Light in a Day

We help strategically plan the placement of LED lighting for your farm to mimic sunlight and keep cows producing milk.



## Little Maintenance

LED lighting lasts at least five times longer than HID and at least three times longer than fluorescent. You can focus on more productive tasks on the farm.



## Instant-On Capability

Our LED solutions eliminate the problematic warm-up period allowing our clients to turn the lights on and off as needed, further reducing energy consumption.



## Dim the Barn Lights

When enough sunshine streams into the barn, the lights can be dimmed to just 30W output to supplement the natural light for an increased energy savings of up to 90%.

**ProStar Energy Solutions is your AG partner. We work with you to reduce your costs and increase productivity at your dairy farm. We are here to help you use LED lighting to improve production without the use of GMO, synthetic bsT or artificial drugs in the production process.**

**Contact us today**  
so we can discuss which solutions work best for you.

**214-865-6160**

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# Wherever we are these days, we are surrounded by the Internet of Things (IoT). Dairy Farms are no exception.

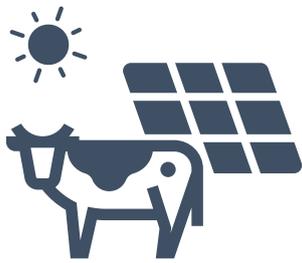
Our IoT team will assist you in labor-saving devices, lighting control programs and energy-saving control systems to drive efficiency and improve operations on the farm.

ProStar Energy Solutions can help guide your dairy farm to switch to the latest, most-efficient technologies.

This includes the installation of LED lighting and other HVAC and refrigeration systems. We can also provide energy-efficient fans, soakers, and misters, all controlled by temperature sensors.

Contact us today to discuss your options!





# SOLAR POWER MIGHT BE THE SOLUTION FOR YOUR DAIRY FARM.

Attending to the seasonal needs of the livestock and land, managing equipment, and running the sheds all take a lot of time and energy. Many dairy farmers wonder how they can get their utility costs down. For farms seeking to reduce expenses, generating electricity on the farm is appealing. Additionally, the possibility of a steady income stream for electricity generated beyond what the farm uses can be an important economic asset.

## SOLAR ENERGY CAN SUPPLY ENOUGH POWER FOR ANY TASK ON YOUR FARM.

ProStar Energy Solutions has a team of Solar Ag experts who will analyze your needs to find out if solar energy might be an opportunity to generate income for your Farm as well as reduce electricity costs. Solar power allows you to efficiently utilize energy during the day and sell the excess to your utility company, enabling a quick return on investment in many cases.

### USES OF SOLAR ON DAIRY FARMS:

- Meet all the electricity needs at your farm
- Increase the long-term value of the property
- Create a self-sufficient farm
- Increase the farm's bottom line

### EXAMPLE

A dairy farm that owns about 1,000 cows might see anywhere from \$2,000 - \$3,000 per month in energy costs. This translates to a power consumption nearly 200-400 kWh/month. An approximately sized solar system for such a farm would be around 30 kW, rendering up to a 70% reduction in power consumption during sunlight hours.



Every farm is different. Let ProStar walk you through the savings for your specific farm. We will show you how we can lower your utility expenses, add income to your farm, and join a new movement of sustainable agriculture. We work with you every step of the way.

**CONTACT US TODAY FOR A FREE EVALUATION OF YOUR DAIRY FARM!**