



# Dairy Energy Efficiency

November 2018

# Dairy Energy Efficiency

Quote of the day

**“Hope is not a strategy.” Vince Lombardi**



Dig Safe



- Did you know [811express.com](http://811express.com) is available 24/7?



# Rebate/Incentive Types

Deemed vs. Calculated

Deemed	Calculated
We paid set amount based on number of items you install.	We calculate the energy savings based on your baseline usage to proposed usage.
Example: You install 100 LED lights and the rebate is \$35/light = <b>\$3,500 rebate</b>	Example: You make some changes to your refrigeration and save 115,503 kWh = <b>\$19225 incentive</b>

# Dairy Energy Efficiency

## Audits

Audit Type	How	Project Support
PG&E Energy Audit	PG&E Engineer conducts site walk and talks about projects	PG&E will provide support to turn your idea into a project
ClearResult Audit	PG&E hires ClearResult to audit the facility by conducting a site walk and talking about projects	ClearResult will support your project through receiving a rebate check
Vendor Audit	Vendor contacts you about opportunity to save energy	PG&E Account Managers will guide and support your project

# Resources

- We can help with resources and design
- Internal and external third party resources



# Project Resources

Traditional On Bill Financing	Non-Incentive On Bill Financing
<ul style="list-style-type: none"><li>• \$100,000 available for energy efficiency projects</li><li>• Requires PG&amp;E incentive/rebate participation</li><li>• Payback cap 60 months</li></ul>	<ul style="list-style-type: none"><li>• \$100,000 available for energy efficiency projects</li><li>• Does not require PG&amp;E incentive/rebate participation</li><li>• Requires preapproval and PG&amp;E can assist with energy savings calculations</li><li>• Payback cap 60 months</li></ul>



# Project Ideas

## LED Lights



## Benefits

1. Lower demand & energy charges
2. Meet safety goals
3. Utilize dimming options

# Project Ideas

## Air Cooled Refrigeration



## Benefits

1. Lower demand & energy charges
2. Meet safety goals
3. Save water and pumping costs

# Project Ideas

Fans with VFDs



## Benefits

1. Lower demand & energy charges
2. Increase cow comfort and AI
3. Utilizing VFD technology

# Project Ideas

Optimizing Soakers



## Benefits

1. Lower water usage and pumping costs
2. Increase cow comfort
3. Utilizing controls technology

# Project Ideas

Moving Water

## Advanced Pump Efficiency Program



## VFD Rebates



## Small Pump Overhaul Program



# Ag Tech & Demand Response

- Use data to make decisions
- Trusting data
- Use Demand Response Programs

AgTech



Automated Demand  
Response Program

# Next Steps

- Stop by our table today
- Partner with our account management team
- Use energy audit as part of your sustainability plan



**Q & A**





# Thank You.



Justin Witte



559-263-5908



[j7wd@pge.com](mailto:j7wd@pge.com)



Customer Relationship Manager, Expert  
Ag & Food Processing Team