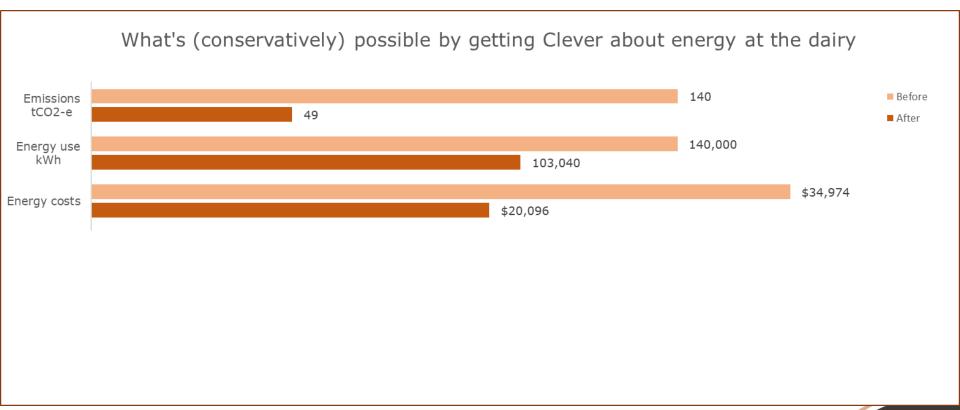
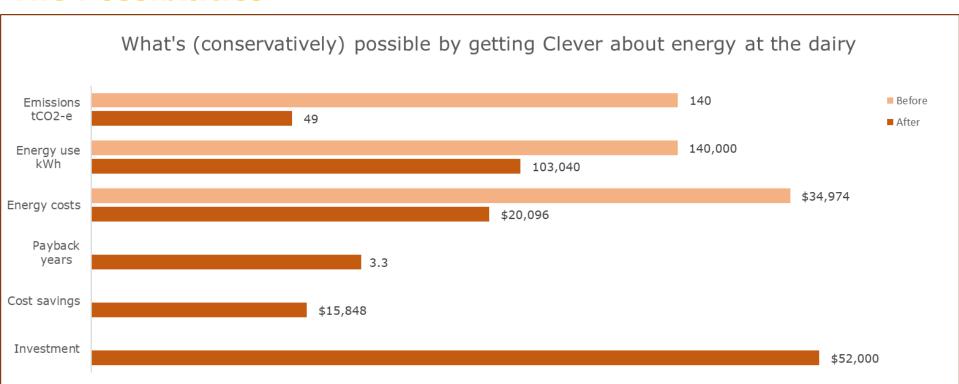


The Possibilities





The Possibilities





Where do we start?

Yeah, but our farm is different.

What do we need to do?

It's too expensive?

They're all trying to sell me stuff?

İ

I'm not confident

Who can we trust?

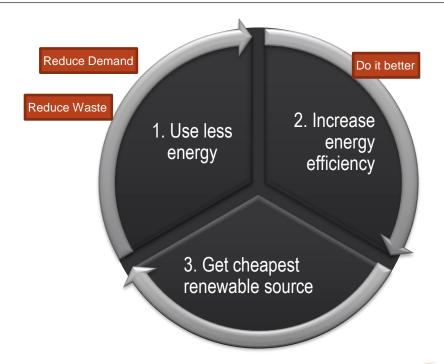
I'm worried we'll make the wrong choice



Easy Steps

Hint: Do them in the right order and it will cost you less, and the savings will be bigger.

4. Monitor, fine-tune, go again.







Reduce demand, Reduce waste

- 1. Revise/change the milking machine wash program
 - \$1,500 \$2,700 per year saving
- 2. Pre-heat water
 - \$1,500 \$3,200 per year saving
- 3. Don't overheat
 - Keep it under ~90°C
 - Boiling water costs >\$400 per year
- 4. Stop leaks and insulate

If it ain't broke ...





Energy demand for water heating can be reduced by more than 60%!



Do it Better

Dedicated plate cooler pump 3.5 kW





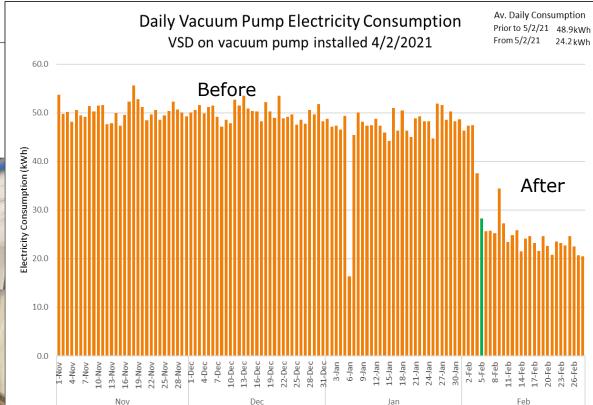


Investment (\$)	Savings (kWh p.a.)	Savings (\$ p.a.)	Payback (years)	Emissions saved (tCO _{2-e} p.a.)
969	5,707	1,374	0.7	5.7



Do it better

Do it Better



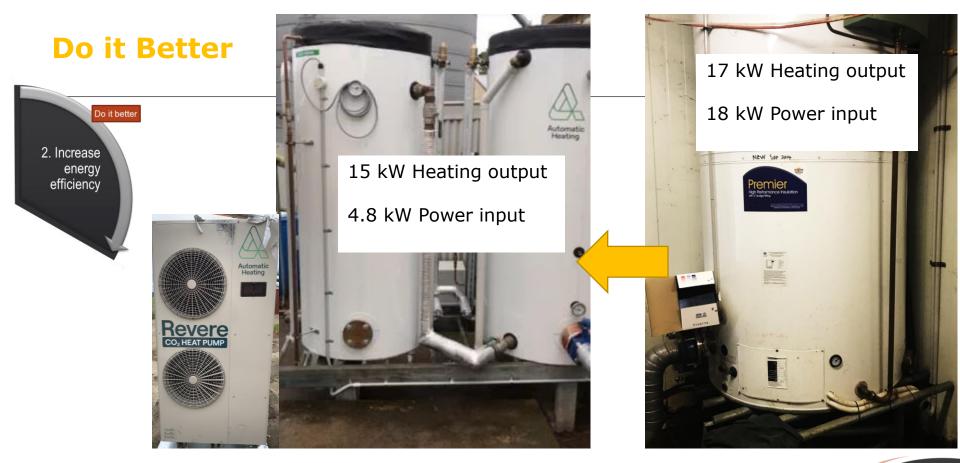
2021

2020





A. DeLaval





So far, so good





Now, look at pricing

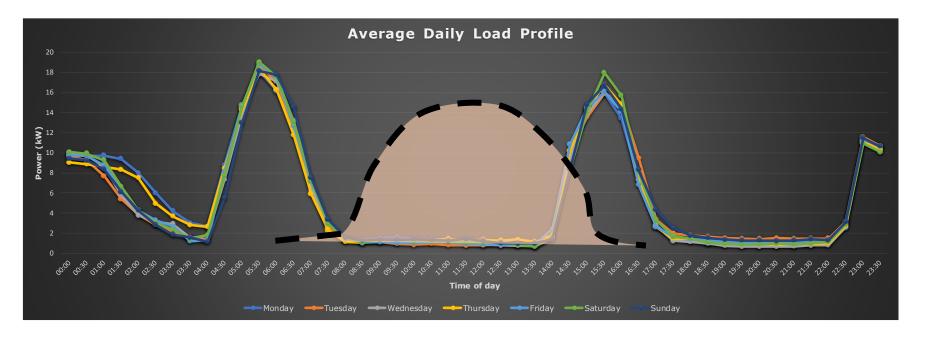
Negotiating with retailers can achieve short-term cost savings.

But, it's a hit and miss affair.



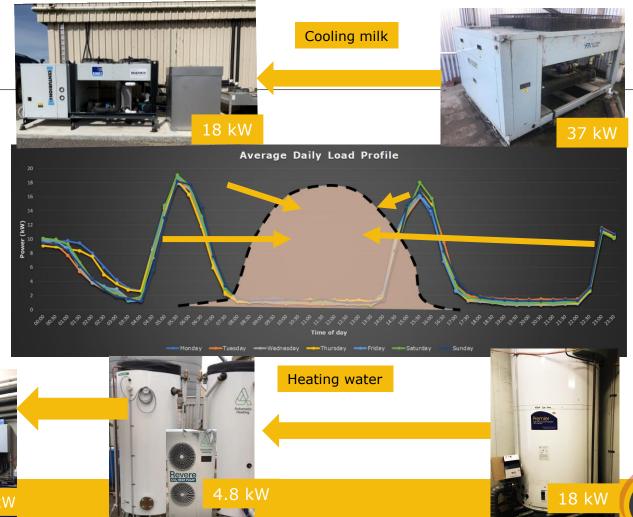


Solar PV alone is not a fix



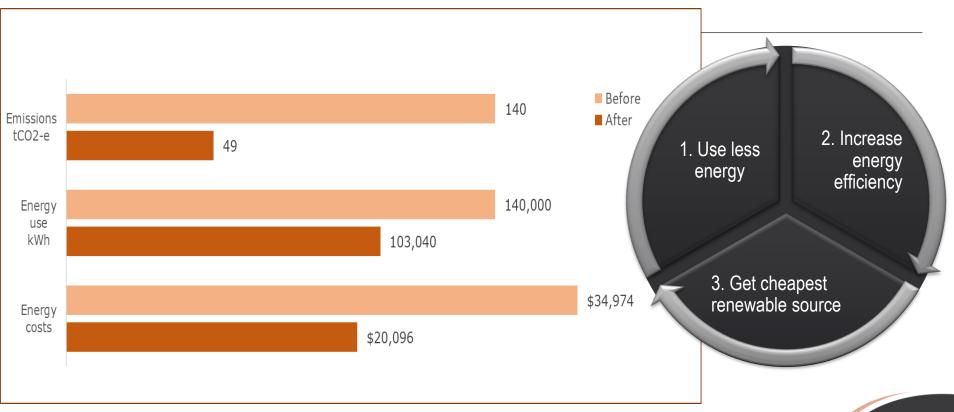


3. Get cheapest renewable source





Turning what's possible into what's in practice



Thanks

More information?

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