

## Cargill Meat Processing | Fresno, CA

### Introduction

Working towards the goal of fully sustainable production, Cargill worked to have one of California's largest solar water heating arrays installed on its flagship beef production facility in the state. Nextility's contracting partner Teva Energy installed a total of 317 SunStar solar collectors that pre-heat the water for the plant's food safety and sanitation processes.

### Zero Upfront Cost; Continual Savings

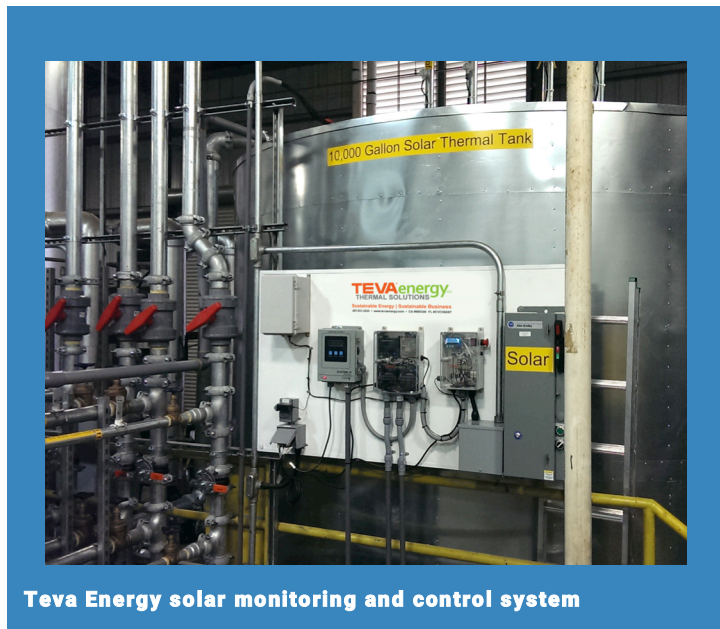
Nextility was able to offer this system for zero upfront cost by making use of the financial incentives available to solar-thermal systems, and by charging Cargill for the energy produced, at a lower rate than Cargill would be paying the utility company. Cargill now pays Nextility for the energy provided, at a rate 40% below what they were previously paying. Cargill immediately cut both its operating costs and carbon footprint through this partnership with Nextility.



Array of SunStar STR-30 and STR-40 solar collectors

### System Information

<b>Location:</b>	Fresno, CA, USA
<b>Application:</b>	Domestic Hot Water
<b>Rated Power Output:</b>	793 kW
<b>Yearly Energy Output:</b>	>705,676 kWh <sub>th</sub> (measured)
<b>Yearly CO2 Reduction:</b>	146,388 kg / 322,731 lbs
<b>Solar Collectors:</b>	SunStar:250xSTR40, 67xSTR30
<b>System Format:</b>	Drainback closed loop
<b>Storage Capacity:</b>	10,000 gal atmospheric tank
<b>Backup Heating:</b>	Gas boiler



Teva Energy solar monitoring and control system

### Contact Information

Nextility | [www.Nextility.com](http://www.Nextility.com)  
Teva Energy | [www.TevaEnergy.com](http://www.TevaEnergy.com)  
SunStar | [www.SunStar.Solar](http://www.SunStar.Solar)  
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