

# CHP Innovations

## Providing Multiple Solutions for Efficient and Sustainable Ag and Food

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Pic 1: Cogeneration Engine Installation



Pic 2: Industrial Waste Energy Capture Installation

## Harnessing Waste Energy

Focus on the “LOW HANGING FRUIT”



Pic 1: 4 acre water retention pond beneath solar field



Pic 2: Drip irrigation system on gutters

## Water Efficiency

Keys to managing this critical resource are  
recirculation, capture and storage



Pic 1: Grand Coulee Dam Pump Generating Plant



Pic 2: Grand Coulee Dam

## **MORE STORAGE NEEDED**

Future success is dependent on large scale energy  
and water storage capacity



Pic 1: Indoor Vertical Warehouse Farm



Pic 2: Large-scale Greenhouse Growing System

## Indoor Farming

The challenges with industrial warehouse style  
vertical farming vs. greenhouse



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