



# Objective

The goal of this project is to present options on how to incorporate solar energy to assist in powering Pembroke's Wastewater Treatment Facility.

Option 1- Clearing Land Near Site

Option 2- Connecting Cleared Field to Site

Option 3- Solar Energy Buyback

Example

Steps to Take



Wastewater  
Treatment Facility

Ash Branch Rd

Branch Rd

# Option 1: Clearing Land Near Site



# Option 2: Connecting Cleared Field to Site



# Option 3: Solar Energy Buy Back

Approximately  
7 acres

Google



# Project Example: Chatsworth, GA 2015

Five bidders - Lowest was \$1.85 million.

Engineering cost / purchasing line from Georgia Power

- Approximately \$300,000.

Anticipated total cost of \$2.2 million or \$2.20 per watt,

- \$300,000 forgiveness
- Financed \$1.9 million through GEFA
- Approximately \$8,800 per month.



# Steps To Take

1. Consult a solar project / energy expert
2. Get bids from solar companies
3. Contact Georgia Power about installation of lines
4. Contact GEFA about Energy Conservation Loan/Apply
5. Request for Proposal (RFP)
6. Apply for Georgia Power Buyback program
7. Other incentives and rebates

# Solar Power in Georgia

Chatsworth - Wastewater Treatment Facility

Valdosta - Wastewater Treatment Facility

Young Harris - Municipal buildings and Wastewater Treatment Facility

Baxley - Wastewater Treatment Facility

Georgia Power Advanced Solar Initiative -

- Purchasing power thru private solar arrays