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
Option 1: Clearing Land Near Site
Option 2: Connecting Cleared Field to Site
Option 3: Solar Energy Buy Back

Approximately 7 acres
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.

Estimated $4.0 million savings over 25 years
- 5% annual power rate increase
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