SEED CONNECT

Template: Renewable Energy Utilization Checklist for Cannabis Farming

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Based on Article: "Utilizing Renewable Energy Sources in Cannabis Farming"
Website: https://theseedconnect.com

A practical checklist to help cannabis farmers transition to renewable energy sources and improve energy efficiency.

Checklist Items:

- [ ] **1. Conduct a Basic Energy Audit**
  Collect 12 months of utility bills and log monthly kWh, peak demand (kW), and estimated costs to create a clear energy usage profile.
  Reference Section: Assessing Your Farm's Energy Profile

- [ ] **2. Identify High-Energy Consumption Systems**
  Determine which systems (lighting, HVAC, dehumidification) consume the most energy by comparing wattage and run-hours with monthly kWh.
  Reference Section: Assessing Your Farm's Energy Profile

- [ ] **3. Log Monthly Energy Use**
  Use a spreadsheet to document monthly energy usage, peak demand, and any significant events that might affect energy consumption.
  Reference Section: Assessing Your Farm's Energy Profile

- [ ] **4. Evaluate Renewable Energy Options**
  Analyze your site for feasibility of renewable options like solar PV, wind, biogas, or geothermal based on energy needs and site constraints.
  Reference Section: Choosing Renewable Energy Options

- [ ] **5. Perform a Site Energy Audit**
  Create a detailed energy profile including load patterns and peak demand over the past year to identify the best renewable energy solutions.
  Reference Section: Choosing Renewable Energy Options

- [ ] **6. Measure Usable Area for Solar PV**
  Calculate the available roof or ground area for solar panels and assess shading to estimate the potential solar capacity.
  Reference Section: Choosing Renewable Energy Options

- [ ] **7. Check Regulatory Requirements**
  Review local regulations regarding net-metering, connection rules, and any permits needed for renewable installations.
  Reference Section: Choosing Renewable Energy Options

- [ ] **8. Assess Structural Capacity for Installations**
  Evaluate the roof or support structures to ensure they can handle any new solar panel or renewable energy systems.
  Reference Section: Choosing Renewable Energy Options

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- [ ] **9. Implement Energy Efficiency Measures**
  Prioritize and implement energy-saving measures such as LED upgrades, programmable thermostats, and variable-frequency drives.
  Reference Section: Assessing Your Farm's Energy Profile

- [ ] **10. Monitor and Optimize Energy Usage**
  Regularly review and analyze energy consumption data to find opportunities for further efficiency improvements and cost reductions.
  Reference Section: Operating, Monitoring, and Optimization

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