

## **Energy Consumption Reduction Checklist Template**

#### **Baseline Data Collection**

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Write something		
uilding Env	elope Assessment	•
	ndows, and doors for heat loss/ga	
Wall R-Value (Exis	ing)	
Enter a number		
Wall R-Value (Rec	mmended)	
Enter a number		
Window Type (Exi	sting)	
Single Pane	37	
Double Pane		
Low-E		
Other		
Door Condition		
Good		
☐ Fair		

Enter a number	
Notes on Envelope Condition	
Write something	
VAC System Efficiency	
eck for leaks, proper maintenance, and optimal so	ettings of heating, ventilation, and a
nditioning systems.	ottings of floating, vontilation, and a
Supply Air Temperature (°C)	
Enter a number	
Return Air Temperature (°C)	
Return Air Temperature (°C)  Enter a number	
Enter a number	
Enter a number	
Enter a number  Chilled Water Supply Temperature (°C)	
Chilled Water Supply Temperature (°C)  Enter a number	
Chilled Water Supply Temperature (°C)	

Filter Condition
Clean
Slightly Dirty
☐ Dirty
Very Dirty
Refrigerant Leak Check Result
No Leak Detected
Minor Leak Detected
Major Leak Detected
Last Maintenance Date
Enter date
Notes/Observations
Write something
ghting Optimization
sess lighting usage, identify opportunities for LED upgrades and motion sensors.
Number of Incandescent Bulbs Replaced with LEDs
Enter a number

Enter a number	
Wattage of New LED Bulbs (Avera	age)
Enter a number	
Motion Sensor Installation Status	
Not Installed	
Partially Installed	
Fully Installed	
Lighting Control Measures Imple	mented
Scheduling	
Occupancy Sensors	
Daylight Harvesting	
Date of Last Lighting System Aud	lit
Enter date	

### **Equipment Efficiency**

Review energy usage of appliances, machinery, and other equipment; prioritize replacements with energy-efficient models. **Equipment Energy Consumption (kWh)** Enter a number... **Equipment Age (Years)** 0-5 6-10 11-15 16+ **Equipment Capacity (kW)** Enter a number... **Energy Star Rating (if applicable)** Tier 1 Tier 2 Tier 3

☐ Not Applicable	
Notes on Equipment Condition	
Write something	

# Equipment Efficiency Documentation (e.g., datasheet) ① Upload File

### **Behavioral Changes**

Implement employee training and awareness programs to promote energy-saving habits.

Write something	
Number of Employees Trained (Last Month)	
Enter a number	
Topics Covered in Training (Check all that appl	у)
Topics Covered in Training (Check all that appl  Energy Conservation Best Practices	у)
	y)
Energy Conservation Best Practices	y)
☐ Energy Conservation Best Practices ☐ Proper Equipment Usage	y)
☐ Energy Conservation Best Practices ☐ Proper Equipment Usage ☐ Lighting Optimization	y)
<ul><li>☐ Energy Conservation Best Practices</li><li>☐ Proper Equipment Usage</li><li>☐ Lighting Optimization</li><li>☐ HVAC System Awareness</li></ul>	y)
<ul><li>☐ Energy Conservation Best Practices</li><li>☐ Proper Equipment Usage</li><li>☐ Lighting Optimization</li><li>☐ HVAC System Awareness</li></ul>	y)

Supporting Documentation (Training Materials, Sign-in Sheets)  Cauthor Public Preferred Renewable Energy Source  Solar Pv  Wind Power  Geothermal  Biomass  Hydroelectric  Other	Employee Feedback on Training Effectiveness (Scale of 1-5)  1 - Very Ineffective 2 - Ineffective 3 - Neutral 4 - Effective 5 - Very Effective
Preferred Renewable Energy Source  Solar PV Wind Power Geothermal Biomass Hydroelectric	
Solar PV Wind Power Geothermal Biomass Hydroelectric	
	Solar PV Wind Power Geothermal Biomass Hydroelectric
Estimated System Size (kW)  Enter a number	

Initial Feasibility Study Findings
Write something
Target Installation Date
Enter date
Estimated Annual Energy Production (kWh)
Enter a number
Financing Method
☐ Self-Funded
☐ Loan ☐ Grant
Lease
Power Purchase Agreement (PPA)
Supporting Documents (e.g., Site Assessment)
□ Upload File     □ U

### **Monitoring & Reporting**

Establish a system for ongoing monitoring of energy consumption and regular reporting of progress.

Total Energy Consumption (kWh)	
Enter a number	
Baseline Energy Consumption (kWh)	
Enter a number	
Energy Savings (kWh)	
Enter a number	
Percentage Reduction in Energy Consumption	
Enter a number	
Reporting Date	
Enter date	
Summary of Findings and Recommendations	
Write something	
Supporting Documents (e.g., meter readings, invoices)	
♣ Upload File	

Reporting Status
Complete
☐ In Progress
Needs Revision
laintenance Schedules
eview and update maintenance schedules to ensure optimal equipment performance d energy efficiency.
Last HVAC System Tune-Up
Enter date
Lighting Fixture Cleaning Frequency (Months)  Enter a number
Next Boiler Inspection Date
Enter date
Cooling Tower Water Treatment Type
Chemical Treatment
Electro-Chemical
☐ None
Last Transformer Oil Analysis
Enter date

Enter a number	
Demand Response Progran	<u>-</u>
erify adherence to demand response program re	equirements, if applicable.
Participation Status	
Active Participant	
☐ Inactive Participant	
Pending Enrollment	
Maximum Curtailment Limit (kW)	
Enter a number	
Last DR Event Date	
Enter date	
Percentage of Load Curtailment Achieved (	Last Event)
Enter a number	
Communication Method with DR Coordinate	or
Automated System	
Phone Call	

Write something			