



Sustainable  
Putnam

# 100% Clean Energy Planning Worksheets

February 2023

*Protect the Planet — Improve Your Health — Cut Your Expenses*

## My Appliance Replacement Plan:

The [Energy Star](#) website is a great starting point to research appliances.

Research appliances for replacement	List your desired features and specifications, brand(s) and model(s) below
<ul style="list-style-type: none"><li>• <a href="#">High Efficiency Clothes Washer</a></li></ul>	
<ul style="list-style-type: none"><li>• <a href="#">Heat Pump Clothes Dryer</a></li></ul>	
<ul style="list-style-type: none"><li>• Induction Cooktop</li></ul>	
<ul style="list-style-type: none"><li>• <a href="#">Refrigerator</a></li><li>• <a href="#">Repair or replace tool</a></li></ul>	
Will I need to upgrade electrical service? (220V outlets, additional electrical panel capacity, etc.)	
What <a href="#">NYS financial incentives</a> are available?	
What <a href="#">Federal financial incentives</a> are available?	

# My Hot Water Heater Replacement Plan:

The [Energy Star](#) website is a good starting point to learn more about [heat pump water heaters](#). If your plumber doesn't have experience with heat pump water heaters, many manufacturers offer a list of certified local installers by zip code. Heat pump water heaters can be purchased at any plumbing supply house or home center.

<b>Background Information and Questions for Planning</b>	<b>My Responses</b>
My current hot water heater is:	<i>Circle one:</i>  A. Part of my oil boiler  B. A separate unit
The size (in gallons) of my current hot water heater is:	_____ Gallons
The make(s) and model(s) I'm considering include:	<ul style="list-style-type: none"><li>•</li><li>•</li></ul>
What <a href="#">NYS financial incentives</a> are available?	
What <a href="#">Federal financial incentives</a> are available?	

# My HVAC Replacement Plan:

Don't make the mistake of waiting until your boiler or furnace fails to look into heat pumps! If that occurs during the heating season, it's too late. You'll most likely be forced to replace it with another fossil fuel until that will waste money on fuel and spew greenhouse gasses for years to come.

Background Information and Questions for Planning	My Responses
My home is heated with:	<p><i>Check all that apply:</i></p> <p><input type="checkbox"/> Oil</p> <p><input type="checkbox"/> "Natural" Gas or Propane</p> <p><input type="checkbox"/> Electricity</p> <p><input type="checkbox"/> Wood/Pellets</p>
My HVAC system uses:	<p><i>Check all that apply:</i></p> <p><input type="checkbox"/> Electric baseboards</p> <p><input type="checkbox"/> Baseboards or radiators</p> <p><input type="checkbox"/> Ducted forced air</p>
<p><i>How old is your furnace/boiler? If it's ten years or older, <u>develop a plan now</u> to replace it with heat pumps.</i></p> <p><i>If it's newer, consider your finances and desire to transition to clean energy and a healthier home in choosing the best time to transition.</i></p>	<p><input type="checkbox"/> I replaced it recently.</p> <p><input type="checkbox"/> It's at least 10 years old</p>
<p><i>If your home has ducts for heat or air conditioning, you may be able to replace your boiler and/or central AC compressor with one central ASHP compressor that heats and cools.</i></p>	<p><i>I'm considering (check one or both):</i></p> <p><input type="checkbox"/> Air Source Heat Pumps</p> <p><input type="checkbox"/> Ground Source Heat Pumps</p>
<p><i>Find a NYSERDA-approved NYS Clean Heating &amp; Cooling contractor online. These contractors have received good reviews from Sustainable Putnam partners:</i></p>	<p><input type="checkbox"/> Bell Heating &amp; Cooling</p> <p><input type="checkbox"/> County Comfort</p> <p><input type="checkbox"/> Dandelion Energy</p>

	<input type="checkbox"/> Healthy Homes  <input type="checkbox"/> Sealed
<p>See our <a href="#">Financial Incentives Guide</a> for an overview of available federal, state, and utility incentives. Be sure to also check your utility's website for the latest rebates. List or link to them here:</p>	
<p>What <a href="#">NYS financial incentives</a> are available to you?</p>	
<p>What <a href="#">Federal financial incentives</a> are available to you?</p>	

# My Vehicle Replacement Plan:

Background Information and Questions for Planning	My Responses
<p>If you have access to more than one vehicle, you can purchase a less expensive, lower range EV, and reserve the ICE vehicle for longer distance trips. This makes purchasing at least one EV a no-brainer.</p> <p><b><i>How many vehicles does your household currently own?</i></b></p>	
<p>Most Americans drive <i>less than 40 miles</i> each day. Nearly every EV can travel that far without recharging. Consider your average daily driving distance as one factor in selecting an EV with an appropriate mileage range. If you're part of a household that shares more than one vehicle, respond using the <i>lower use vehicle's</i> range.</p> <p><b><i>How far do you generally drive your lowest use vehicle in a day?</i></b></p>	
<p>Options include a hybrid (good), plug-in hybrid (better), or fully-electric EV (best). Both hybrid types may be a good compromise for single vehicle households that make frequent long trips, and/or those living in an apartment or condominium.</p> <p>Remember that hybrids don't reduce your carbon footprint as much and require all the maintenance and repair costs of ICE vehicles (oil changes, tune ups, transmission, exhaust system, etc.).</p> <p><b><i>Currently, my best option is a (circle one):</i></b></p>	<ul style="list-style-type: none"> <li>● <b>Hybrid</b></li> <li>● <b>Plug-in hybrid</b></li> <li>● <b>EV</b></li> </ul>

<p>If you are a homeowner, ensure your home is “electric vehicle ready” by locating a 240V line near your parking space. When you’re ready to purchase your first EV, any licensed electrician can install a Level 2 (240 volt, 30-50 amp) charger in the garage or driveway of your home. You can shop for your charger online.</p> <ol style="list-style-type: none"> <li>1. <i>Which charger have you chosen?</i></li> <li>2. <i>Which electrician will you call?</i></li> </ol>	
<p>After examining your EV options on our Electric Vehicles page, list your favorite makes and models.</p>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>
<p>What <a href="#">NYS financial incentives</a> are available?</p>	
<p>What <a href="#">Federal financial incentives</a> are available?</p>	

# My Solar Installation Plan:

Background Information and Questions for Planning	My Responses
<p>Use the Solar Option Decision Tree at <a href="http://sustainableputnam.org/7steps">sustainableputnam.org/7steps</a>. Then respond to this prompt:</p> <p>My best solar option is:</p>	<p><i>Circle one:</i></p> <p>A. Community Solar Subscription</p> <p>B. Roof or Ground-mount Solar Installation</p> <p><i>If B., proceed to the next step.</i></p>
<p><i>Because I have the potential for a roof or ground mount system, I will seek estimates from the following three companies (see options above)</i></p>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
<p>Based on the estimates I've received, and my relative comfort level with each installer, I have chosen:</p>	<p><i>(Selected solar installer)</i></p>
<p>What NYS financial incentives are available?</p>	
<p>What <a href="#">Federal financial incentives</a> are available?</p>	