

Solebury



Energy Transition Plan

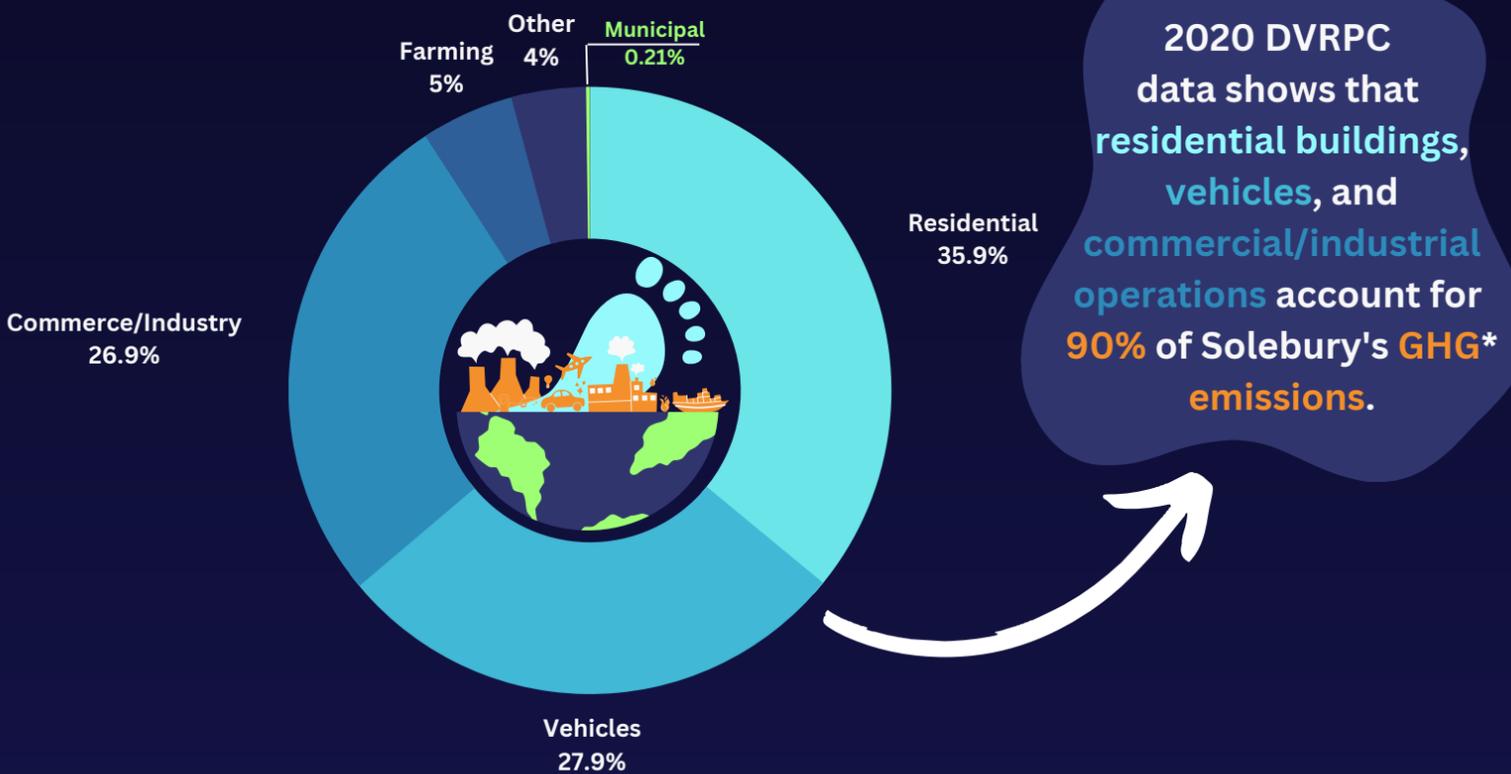
The Path to RF100

What is the RF100 Resolution?

The Ready for 100 (RF100) resolution commits us to reach 100% clean, renewable energy by 2035 for electricity, and 2050 for heat and transportation in order to **eliminate** the use of **fossil fuels**.

For those municipalities which have adopted a **renewable energy commitment**, such as Solebury, this plan meets the resolution objective of developing an **Energy Transition Plan (ETP)** for our community and Township operations.

Summary: Where Are We Now?



MTCO _{2e} **	2019	2020
Municipal	213	213
Residential	37,491	36,248
Vehicles	28,590	28,135
Commercial/Industrial	28,527	27,425
Farming	5,058	5,058
Other	3,617	3,617
TOTAL	103,496	100,697

*Greenhouse Gas(es): Carbon Dioxide, Methane, etc.

** (MTCO_{2e}) = Metric Tons of Carbon Dioxide Equivalent -- shown in millions

What Does This Mean?

Solebury's dedication to preserving historic lands and conserving our natural ecosystems has led the township to begin preparing to take the next steps in responsible environmental stewardship.

We are committed to achieving the objectives of RF100, however, our community will need to work together across all sectors in order to make it happen.

How Do We Get There?

Solebury's Energy Transition Plan (ETP) addresses the challenges and opportunities of coming decades; public/private investment, jobs creation, public health concerns, energy reliability/independence, and climate change as it applies to our current energy consumption habits.

In order to mitigate the consequences of prolonged fossil fuel consumption, and improve our community's resilience to climate change, Solebury's ETP strives for development in four areas:



Energy Efficiency & Conservation

Well-constructed energy efficiency policies *alone* could enable more than 40% of the emissions cuts needed to reach the Paris Accord climate goals while using existing technology. Additionally, energy waste costs American businesses and households billions of dollars every year.

Electrification

Convert to 100% electricity for all energy needs, including electrification of heating systems and transportation. By retiring technologies that directly combust fossil fuels (natural gas, oil, coal), we can move toward RF100 clean energy goals and improve energy security.



On-Site Solar Generation

Maximize our ability to generate renewable electricity on-site using solar (or other sustainable) technology. The cost of solar photovoltaics (SPVs) has declined more than 70% since 2010, making it competitive with conventional electricity and installing solar systems in residential/commercial buildings financially viable.

Utility-Scale Renewable Energy

Solebury's municipal facilities already purchase its electricity from renewable sources, but this is only part of the need to ensure that renewable electricity is generated locally. As we move toward 100% electrification, electricity delivered by utility providers (i.e. PECO) must be generated from carbon-free, clean energy sources such as solar, small-scale hydroelectric power, and onshore/offshore wind.



The Benefits?

Weather Resilience



Cost-Effective



Healthy Ecosystems & Communities