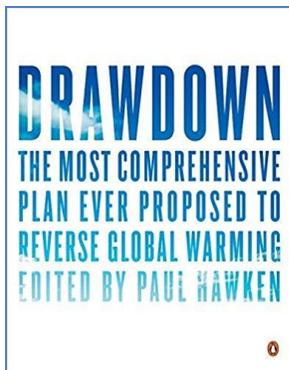


PE1 Action: National/Regional Climate Program

3 Points

Project Drawdown



Woodstock joined Project Drawdown, a global research organization that identifies, reviews, and analyzes the most viable solutions to climate change, and shares these findings with the world. Woodstock's Participation in Project Drawdown is through the programs of the Omega Institute, Rhinebeck, New York, Woodstock Transition, and the Woodstock Land Conservancy. The Woodstock Environmental Commission and the Woodstock Day School are active participants in Project Drawdown

Project Drawdown is a climate change mitigation project initiated by Paul Hawken and climate activist Amanda Joy Ravenhill. Central to the project is the compilation of a list of the "100 most substantive solutions to global warming." The list, encompassing only technologically viable, existing solutions, was compiled by a team of over 200 scholars, scientists, policymakers, business leaders and activists; the team measured and modeled each solution's carbon impact through the year 2050, its total and net cost to society, and its total lifetime savings.

In March 2007, the Woodstock town board committed that town governmental operations would be carbon neutral by year-end 2017. The town achieved carbon neutrality in 2015 and was recognized for its accomplishment at the 2017 annual meeting of the New York State Association of Conservation Commissions. Many of actions taken by the town to achieve carbon neutrality would qualify under the climate smart certification process. An action taken in 2018 was to integrate Project Drawdown into the town's Climate Action Plan. There are eight Drawdown solutions that characterize Woodstock's carbon neutrality and that define the next steps the town can take to further reduce its carbon footprint.

The table below identifies the Project Drawdown solutions, its rank of effectiveness within the 100 Project Drawdown solutions, and how this solution contributed to Woodstock's achievement of carbon neutrality.

Additionally, several reports analyzing the impact and cost of the energy solutions were submitted to Project Drawdown. These reports are included as attachments to this submission.

Project Drawdown in Woodstock's 2019 Climate Action Plan

Drawdown is that point in time when the concentration of greenhouse gases in the atmosphere begins to decline on a year-to-year basis.

| Drawdown Solution | Rank | Description/Use |
|-------------------|------|--|
| Temperate Forests | #12 | 500 acres of town owned forest to sequester carbon |
| Rooftop Solar | #10 | Solar panels installed at the Highway Garage and Town Hall |
| In Stream Hydro | #27 | Hydroelectric power from Natural Power Group |
| Retrofitting | #80 | Town Hall and Community Center renovations |
| Heat Pumps | #42 | Ground-sourced and air-sourced heat pumps |
| LED Lighting | #44 | New construction, Lime Energy, and street lighting |
| Insulation | #31 | Winterized Rock City Rd convenience restrooms |
| Cars (Hybrid) | #49 | (Proposed for Police Department) |

Timeline of Major Project Drawdown Events

January 29, 2018

Ulster County Climate Smart Committee includes Drawdown in its goals for 2018 at its regular January, 2018 meeting. (Ulster County CSC goals for 2018 attached.) Copies of the book, *Drawdown*, were distributed.

April 26, 2018 – Drawdown, the Movie

An event sponsored by Woodstock Land Conservancy and Woodstock Transition and held at the Mountainview Studio in Woodstock. The event viewed videos of Paul Hawken introducing Project Drawdown, followed by a discussion with a large number of Woodstock organizations about local Drawdown initiatives. Laura Weiland, Omega Center for Sustainable Living Director, announced that Omega would be hosting Paul Hawken and his team in October.

October 19 - 21, 2018 – Drawdown Learn Conference at the Omega Center

The Omega Institute hosted Paul Hawken for a three day conference on Project Drawdown. Hawken's presentation was broadcast by satellite to viewing locations throughout the country and to sites in the Hudson Valley.

The 3-day collaborative event began Friday evening with an in-depth overview of Project Drawdown by its executive director Paul Hawken and his team, and continued with interactive sessions throughout the weekend. Time was provided for breakout groups to discuss key linkages to

the new science standards (K-12) and explore how Drawdown could be more fully integrated into K-16 education, youth leadership, community-based projects, and municipal and civic engagement.

Woodstock Transition sponsored a group from Woodstock to attend the Drawdown Learn Conference at the Omega Center, while others viewed the proceedings via satellite link at remote locations.

December 10, 2018 – Woodstock Climate Action Plan

Presented the 2019 Woodstock Climate Action Plan to the Woodstock Town Board with Project Drawdown Solutions identified. (2019 Climate Action Plan attached.) There are eight Drawdown solutions that characterize Woodstock's carbon neutrality and that define the next steps the town can take to further reduce its carbon footprint.

April 3 – 24, 2019 – Drawdown EcoChallenge

The Project Drawdown EcoChallenge was a 21-day engagement focused on carbon reduction, and actions highlighted in environmentalist Paul Hawken's book "*Drawdown: the Most Comprehensive Plan Ever Proposed to Reverse Global Warming.*" Drawdown EcoChallenge is offered in partnership by Ecochallenge.org and Project Drawdown and sponsored in Woodstock by the Woodstock Library and Woodstock Transition.

Woodstock Day School Wins Drawdown EcoChallenge

Out of 1,054 teams, 79 countries and 14,144 participants, the Woodstock Day School amassed the most points worldwide in the Drawdown Eco-Challenge, netting the school not just one, but two prizes: Top School and Top Team. The awards included a video chat with eminent climate scientists and activists, a \$1500 gift certificate, and an invitation to present at the 2019 Drawdown Learn Conference at Omega Institute in Rhinebeck.

October 18 - 20, 2019 – Drawdown Learn Conference at the Omega Center

Drawdown Learn is a broad initiative to encourage education and learning about climate solutions based on Project Drawdown's research, analysis, and insights. Through our programs and partnerships, Omega is helping educators and students to understand the solutions available to address the climate crisis and create new ways of teaching and learning about Drawdown solutions.

The Woodstock Day School was recognized for its achievements in winning the Drawdown EcoChallenge at the Drawdown Learn Conference at Omega.

Reports Submitted Regarding Drawdown (attached)

- Kenneth S. Panza, "Drawdown – Some Issues," May 20, 2018
- Kenneth S. Panza, "Drawdown – The Energy Sector," May 28, 2018
- Kenneth S. Panza, "Some Comments about Small Scale Hydro, Public Joint Agency Meeting," November 4, 2018
- Kenneth S. Panza, "Drawdown Energy Solutions – Cost for NY," November 10, 2018