

Drawdown Alberta Blitz Day - Research Guidance Package

BLITZ DAY

Welcome to Drawdown Alberta (DAb) Blitz Day! A big part of DAb's mission is to help educate and inspire Albertans to be in action around positive climate change solutions. If you are reading this, it means that you are one of many *amazing* contributors that have stepped up to help research and share this knowledge!

Here is today's [itinerary](#). Together we aim to populate the [DAb Wiki](#) with research related to [Drawdown Solutions](#).

You can find an example of one solution, [Reduced Food Waste](#), for reference. This is what a final edited and published submission of research would look like.

GUIDANCE FOR RESEARCHERS

After extensive discussions, the Drawdown Alberta team has identified and prioritized Drawdown Solutions that would have the greatest relevance in Alberta. For this Blitz Day, participants are asked to choose one of the [Drawdown Solutions Relevant to Alberta](#) from the top 20 numbered and boxed solutions to explore, perform research, and answer questions on. Please notify us if you are interested in exploring an unhighlighted (or any other) Drawdown Solution.

Drawdown Alberta has identified 14 sections of different information that the research should include. **Although it is encouraged that participants try to find information for each section, it is required that certain sections (which are bolded) are completed to ensure that the research is suitable for publishing onto the Wiki.** Other subtitles may be completed or can be left as an 'in progress' on the Wiki.

Research will be ongoing as solutions evolve in the province but, as a starting place, the **following basic research structure** has been proposed so the Wiki has some consistency across solutions:

1) **Solution: What is the Drawdown Solution being researched?**

A brief overview of the solution in general. Consider the solution description from [Project Drawdown](#). Provide 2-3 sentences with a description of the solution.

2) **Solution in Alberta: What does the Drawdown Solution look like in Alberta?**

How the solution appears to present itself in Alberta, currently. If applicable, highlight elements of the solution that are more prominent in the province.

3) **Reducing Emissions through the Solution: How does the Drawdown Solution reduce emissions?**

How the solution reduces (or would reduce) emissions in Alberta. What are the emission-reduction elements of the solution (directly or indirectly)?

4) **Application Status in Alberta: What is the Drawdown Solution's application status in Alberta?**

What progress has Alberta already made toward this goal?

5) **Reduction Potential**: What is the Drawdown Solution's emission reduction potential (MtCO₂e)?

CO₂ equivalent reduced / sequestered (2020–2050), reference any existing baseline measurements.

6) **Economic Impact**: What is the Drawdown Solution's economic impact (cost per MtCO₂e)?

Consider economic costs / benefits resulting from the solution.

7) **Life Cycle Emissions**: What is the Drawdown Solution's life cycle emissions?

Explore the full life cycle of this solution including longevity of solution applications and tradeoffs.

8) **Co-Benefits of Drawdown Solution**: What is / are the co-benefit(s) of this particular Drawdown Solution in relation to other listed Drawdown Solutions?

Explore potential or existing relationships with other solutions.

- 9) **Jobs and Training:** What kind of jobs and training are relevant to the Drawdown Solution?

Explore jobs, special knowledge, education, academic programs or capabilities the solution requires, supports and/or creates (including those already established).

- 10) **Partnerships:** What kind of Albertan partnerships / organizations are currently working on aspects of the Drawdown Solution (discussions, planning, implementation, etc.)?

Solution impacts and involvement in the immediate and wider community.
Partnerships that the solution may forge or requires.

- 11) **Indigenous Involvement:** What kind of Indigenous involvement is there related to the Drawdown Solution?

Explore participation or involvement of Indigenous community in the solution and how it may meet the demands of Indigenous knowledge.

- 12) **Regulatory Status in Alberta:** What is the Drawdown Solution's regulatory status in Alberta?

Level(s) of government, if any, involved with the solution. Explore if regulatory changes are or may be required in order to be feasible.

- 13) **Further Implementation:** What are the particular steps/actions needed in order to (further) implement this solution?

- 14) **Get Involved:** What are ways to get involved in the Drawdown Solution?

How can the individual reader take action towards this solution and where they can go to learn more? This section will allow Drawdown Alberta to explore and communicate opportunities for members to get involved with the particular Drawdown Solution.

BLITZ DAY ORGANIZATION

On Blitz Day, once you have chosen your Drawdown Solution, please enter the corresponding breakout room / “Solution Room” of the same number. Each “Solution Room” is a team, consisting of a maximum of 5 participants to ensure that the most number of Drawdown Solutions can be explored.

Each “Solution Room” is provided with a shared Google folder to compile solution-specific research into. Links to access folders are located at the end of this document. More than one person can work on each solution simultaneously. **Please be respectful of everyone’s work.**

Here are some guidelines for using the shared folders / documents and the overall day:

- Keep it clean! To reduce the need for excess editing, it’s best to keep it clear and concise. It’s a Wiki so we want to get to the point while keeping in mind read times.
- Please include sources throughout while populating the document. You can just pop in the links for references at the end of each question / section.
- We aim to get as many solutions publish-ready as possible today! 😊 Once your team has decided that the research is ready for submission, please [Submit Your Drawdown Solution Research](#) by inputting text and other types of files into this final submission form. Please ensure that only one contributor from your team submits the research on each particular Drawdown Solution.
- Participants will have the ability to enter and exit the breakout rooms and return to the main room for any questions, or to join other sessions related to research discussions, community engagement, and opportunities for involvement. Participants are also expected to be joining the Blitz Day activities at their own availability.
- Reach out if you need help! We’ll be online throughout the day together. If you are having technical or other difficulty, you can contact Preet (pkang@aenweb.ca) for support.

FOLDER LINKS

Each Drawdown Solution is linked to its corresponding folder. Within each folder, there is:

- 1) a document intended to aid in the compilation of your research. **Please read the document thoroughly, which will inform participants about the document's purpose, information about final submission of research, references, contributor information, additional resources, the research, and an optional deeper dive into the Drawdown Solution.**
- 2) a folder in which you may upload related photos, articles, etc..

Click the Drawdown Solution to access the relevant shared folder.

- [Solution #1 - Reduced Food Waste](#)
- [Solution #2 - Health and Education](#)
- [Solution #3 - Plant-Rich Diets](#)
- [Solution #4 - Refrigerant Management](#)
- [Solution #5 - Onshore Wind Turbines](#)
- [Solution #6 - Alternative Refrigerants](#)
- [Solution #7 - Utility-Scale Solar Photovoltaics](#)
- [Solution #8 - Distributed Solar Photovoltaics](#)
- [Solution #9 - Silvopasture](#)
- [Solution #10 - Peatland Protection and Rewetting](#)
- [Solution #11 - Tree Plantations \(on Degraded Land\)](#)
- [Solution #12 - Temperate Forest Restoration](#)
- [Solution #13 - Concentrated Solar Power](#)
- [Solution #14 - Insulation](#)
- [Solution #15 - Managed Grazing](#)
- [Solution #16 - LED Lighting](#)
- [Solution #17 - Tree Intercropping](#)
- [Solution #18 - Regenerative Annual Cropping](#)
- [Solution #19 - Conservation Agriculture](#)
- [Solution #20 - Abandoned Farmland Restoration](#)

POST-EVENT SURVEY

Take a second to complete the [Post-Event Participant Survey](#). Your feedback is truly appreciated!

Research is formalized curiosity.
It is poking and prying
with a purpose.

— *Zora Neale Hurston*



AZ QUOTES