

TEN YEAR PLAN: 2026-2036
Harmony Solar ND 2, LLC

June 2026

In accordance with N.D.C.C. § 49-22-04 and N.D.A.C. Ch. 69-06-02, Harmony Solar ND 2, LLC (“Harmony Solar 2”), submits the following Ten Year Plan for years 2026 through 2036.

- (1) *A description of the general location, size, and type of all facilities to be owned or operated by the utility during the ensuing ten years, as well as those facilities to be removed from service during the ten-year period.*

Harmony Solar 2 is proposing to develop and construct an up to 200 MW solar energy conversion facility known as the Harmony Solar 2 Project (“Project”). The Project will be located 15 miles west of Fargo in Cass County, North Dakota.

Other than the proposed Project, Harmony Solar 2 does not have any transmission or generation facilities located in North Dakota. The Project will have an estimated life of greater than 10 years. As such, Harmony Solar 2 does not have any plans to decommission any transmission or generation facilities within the timeframe of this plan.

- (2) *An identification of the location of the tentative preferred site for all electric energy conversion facilities and the tentative location of all electric transmission facilities on which construction is intended to be commenced within the ensuing five years and such other information as may be required by the commission. The site and corridor identification shall be made in compliance with the criteria published by the commission pursuant to section 49-22-05.1.*

The Project will be located west of Fargo, North Dakota approximately four miles northeast of Casselton in eastern Cass County. A map of the proposed site for the Project is provided in **Exhibit A**, attached hereto. The Project will be designed so as to comply with the exclusion and avoidance areas referenced in N.D.C.C. § 49-22-05.1 and identified in N.D.A.C. Section 69-06-08-01.

- (3) *A description of the efforts by the utility to coordinate the plan with other utilities so as to provide a coordinated regional plan for meeting the utility needs of the region.*

Harmony Solar 2 is in the process of identifying an offtaker for the Project’s output. Energy produced by the Project may help local or regional utilities to meet applicable renewable energy needs.

Throughout the development of the Project, Harmony Solar 2 has engaged and will continue to coordinate with the Midcontinent Independent Transmission System Operator (“MISO”), the local transmission owner, Xcel Energy, and the local electrical cooperatives regarding the Project. Harmony Solar 2 has submitted an Interconnection Application to MISO for 200 MW of solar generation at the Bison Substation in accordance with the MISO Business Practice Manual 015 for Generator Interconnection.

- (4) *A description of the efforts to involve environmental protection and land-use planning agencies in the planning process, as well as other efforts to identify and minimize environmental problems at the earliest possible stage in the planning process.*

Harmony Solar 2 has utilized internal environmental experts, as well as qualified external environmental consultants, to conduct studies and analyses of the Project to ensure it will comply with the siting criteria set forth in N.D.C.C. Ch. 49-22, as well as N.D.A.C. Section 69-06-08-01.

Additionally, Harmony Solar 2 has consulted and will continue to consult with applicable state and federal agencies to avoid, minimize, and/or mitigate any impacts to the environment from the construction and operation of the Project. Additionally, throughout Project development, Harmony Solar 2 has consulted with applicable local, state, and federal agencies and entities, and will continue to do so, as appropriate. Harmony Solar 2 has been and will continue to work with Cass County and Harmony Township to ensure conformance with local land use regulations.

- (5) *A statement of the projected demand for the service rendered by the utility for the ensuing ten years and the underlying assumptions for the projection, with that information being as geographically specific as possible, and a description of the manner and extent to which the utility will meet the projected demands.*

As discussed above, Harmony Solar 2 is in the process of identifying an offtaker for the Project's output. Utilities and other customers seeking to diversify and build their energy generation portfolios are attracted to solar energy projects because of their ability to offer high capacity value and long-term contracts at a fixed and competitive price while simultaneously providing the associated environmental benefits to meet existing and future renewable energy procurement and sustainability goals and mandates. The Project could help satisfy local, regional, or even national renewable energy demands.

Locally, in 2021, the North Dakota Legislature enacted a statutory provision adopting a low-emission technology initiative, which establishes a goal that the "agricultural, forestry, natural resources, and working land of the United States should provide energy from low-emission technology and continue to produce safe, abundant, and affordable food, fuel, feed, and fiber."¹ As used in this initiative, low-emission technology includes, among others, solar. Additional renewable resources will be needed to meet the low-emission technology initiative.

Utilities are including renewable energy projects in their resource plans as long-term economic energy and capacity resources. In North Dakota, peak solar generation has a high correlation with the MISO's coincident peak, which determines the reserve margins MISO utilities must maintain for reliability and reserve sharing purposes. In general, alternative energy sources provide lower costs per MW-hour than conventional sources.² In addition, many utilities

¹ See N.D.C.C. § 17-01-01.

² Lazard, *Lazard's Levelized Cost of Energy Analysis – Version 18* (June 2025), at 4. Accessed online January 22, 2026. Retrieved from <https://www.lazard.com/media/5tlbhyla/lazards-lcoeplus-june-2025-vf.pdf>; International Renewable Energy Agency, *91% of New Renewable Projects Now Cheaper Than Fossil Fuels Alternatives* (July 2025). Accessed online June 11, 2026. Retrieved from

are creating “green tariffs,” which allow customers to purchase up to 100 percent renewable energy from the utility.³

A need also exists for renewable energy to meet renewable portfolio standards. Under current state standards, aggregate United States renewable portfolio demand more than doubles from 500 terawatt hours (“TWh”) in 2026 to 1000 TWh in 2050.⁴ Given existing renewable energy capacity, roughly 900 TWh of additional clean electricity supply will be required by 2050.⁵ In addition, MISO’s regional transmission grid is planning its fleet transition to support states’ renewable energy goals.⁶

In addition to traditional utility demand for solar energy, a growing number of corporations are turning to renewable energy to save money on energy and meet sustainability goals. Corporate customers either purchase renewable energy directly or obtain renewable benefits and cost savings through financially settled contracts, sometimes called virtual PPAs. According to a report from the Clean Energy Buyers Association, corporate buyers alone have made over 100 GW of clean energy deals between 2014 to 2024, representing 41 percent of all clean energy capacity added to the grid over that period.⁷

In summary, the renewable energy produced by Harmony Solar 2’s proposed Project will be positioned to help meet local renewable energy initiatives/goals, the regional need for renewable energy, or national C&I customer demand.

<https://www.irena.org/News/pressreleases/2025/Jul/91-Percent-of-New-Renewable-Projects-Now-Cheaper-Than-Fossil-Fuels-Alternatives>.

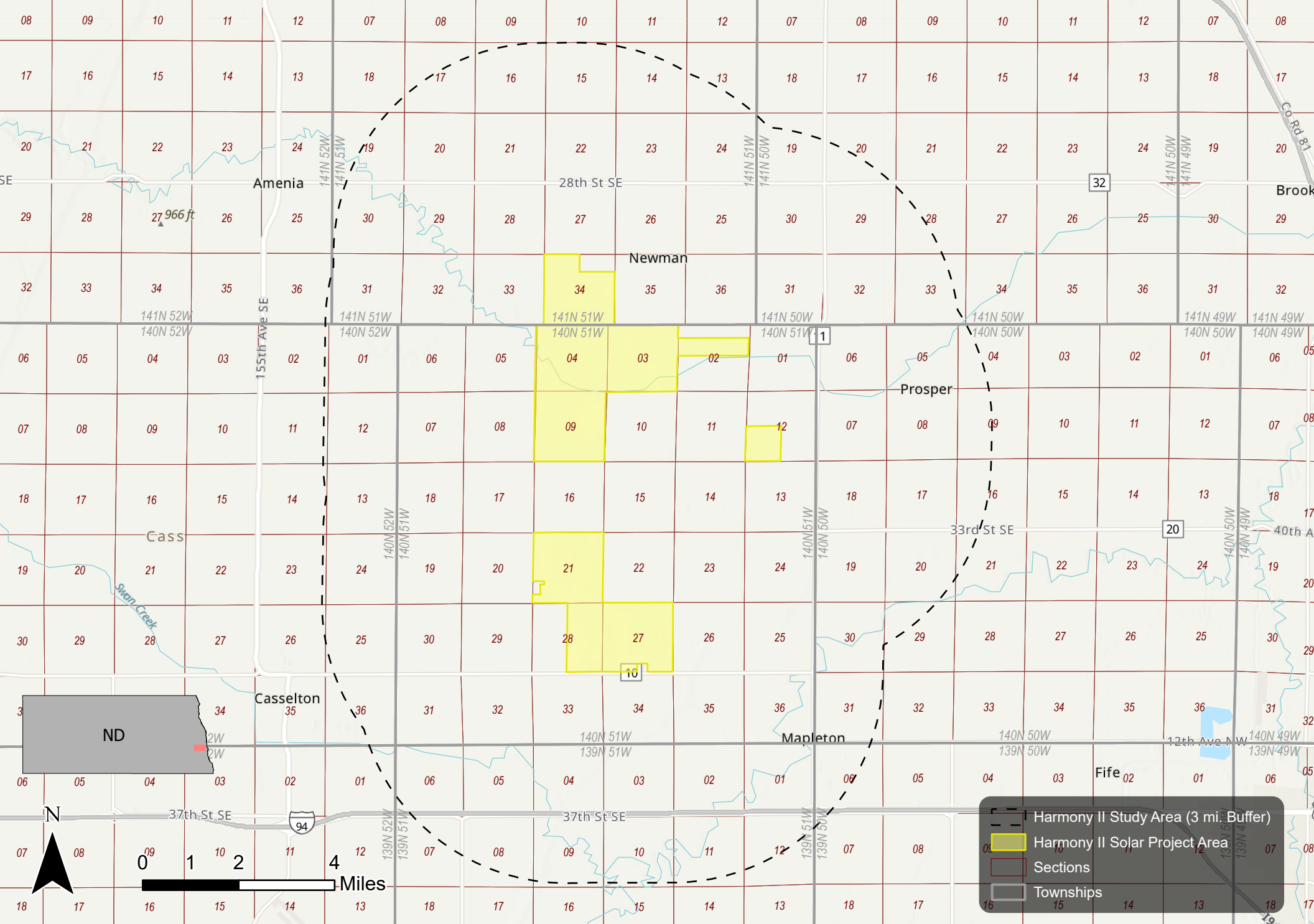
³ U.S. Environmental Protection Agency – Green Power Partnership, *Guide to Purchasing Green Power*, Chapter 4. Accessed online June 11, 2026. Retrieved from https://www.epa.gov/sites/default/files/2016-01/documents/purchasing_guide_for_web.pdf.

⁴ Lawrence Berkeley National Laboratory, *U.S. State Electricity Resource Standards: 2026 Data Update* (June 2026) at 22. Accessed online June 11, 2026. Retrieved from <https://emp.lbl.gov/sites/default/files/2026-06/State%20Electricity%20Resource%20Standards-2026%20Data%20Update.pdf>.

⁵ See Lawrence Berkley Data Update at 22.

⁶ MTEP23, *MISO Transmission Enhancement Plan*, at 6. Accessed online June 11, 2026. Retrieved from <https://cdn.misoenergy.org/MTEP23%20Chapter%201%20-%20Transmission%20Planning%20Overview631229.pdf>.

⁷ Clean Energy Buyers Association, *CEBA Report: Corporate Demand Drives Clean Energy* (2025) at 2. Accessed online June 11, 2026. Retrieved from <https://ceba.org/wp-content/uploads/2025/09/CEBA-Report-Corporate-Demand-Drives-Clean-Energy.pdf>.



Harmony Solar II

Cass County, North Dakota

