

# Nordic Nations Face Climate Crossroads: Arctic Tipping Points, Green Energy

Environmental Science · Answer Key · 7 Questions

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**1. What percentage of its electricity production did Denmark source from wind and solar in 2025, a figure that positioned it as Europe's leader in green energy transition?**

- A) 55 percent
- B) 62 percent
- C) 71 percent**
- D) 80 percent

**2. Which critical nutrient, essential for the plankton that support Arctic life, is rapidly declining in the Arctic Ocean due to accelerated sea ice disappearance and a hidden chemical shift, as reported in May 2026?**

- A) Phosphate
- B) Nitrate**
- C) Silicate
- D) Ammonia

**3. By what year has Denmark politically agreed to cease all oil and gas extraction in its part of the North Sea, shifting focus entirely to green, renewable energy?**

- A) 2035
- B) 2040
- C) 2045
- D) 2050**

**4. What is the primary aim of Iceland's Krafla Magma Testbed (KMT) project, slated for 2026, which promises to revolutionize geothermal energy generation?**

- A) To develop direct air capture technology to remove CO2 from geothermal emissions.
- B) To drill into a volcano's magma chamber to tap into super-hot, supercritical water for unprecedented geothermal power.**
- C) To construct the world's largest offshore wind farm integrated with geothermal heat pumps.
- D) To implement a nationwide carbon capture and storage (CCS) system for all geothermal power plants.

**5. According to new research from June 2026, what concerning impact is climate change having on frozen Arctic lakes, particularly affecting logistical capabilities in the region?**

A) Increased frequency of severe ice storms making transport hazardous.

**B) The ice is becoming too thin to reliably support heavy military and cargo aircraft.**

C) Rapid expansion of invasive aquatic species due to warmer waters.

D) Accelerated erosion of lake shores due to altered permafrost thaw patterns.

**6. Finland is mandated to submit a National Restoration Plan by September 2026 as part of the EU's Nature Restoration Regulation. Which of the following is a key focus area for this plan?**

A) Enhancing the efficiency of industrial waste treatment processes.

**B) Increasing forest biodiversity and forest connectivity.**

C) Developing new sustainable tourism initiatives in protected areas.

D) Transitioning all agricultural land to organic farming by 2030.

**7. In May 2026, Norway's government faced criticism for a decision regarding its fossil fuel industry. What was this contentious decision?**

A) Implementing a progressive carbon tax on all oil and gas exports.

B) Announcing a complete phase-out of offshore drilling by 2040.

**C) Approving the reopening of three North Sea gas fields and new exploration in 70 locations.**

D) Joining the Beyond Oil and Gas Alliance (BOGA).