NAVOI STATE UNIVERSITY

13

ANNUAL PROGRESS REPORT

Climate Action

Campus energy, climate education and regional preparedness

2026 REPORTING YEAR



SUSTAINABLE DEVELOPMENT GOAL

Climate action on campus and in the region

The report brings together campus infrastructure, education and work with regional partners.

694.7

MWh of solar PV generated

Reported for January to September 2026. About 313.2 MWh was allocated to university use.

180,000

LED lamps reported

The equipment inventory also records solar lighting, solar water heating and energy controls.

10+

Countries represented

An international conference brought together scientists and environmental specialists to discuss biodiversity, climate adaptation and food security.

REPORTING SCOPE

Activities without a clear year in the source are included as institutional examples. The 2025–2030 plan targets are presented separately from measured results.

Where to find each indicator

Select a row to open its section. The report covers operational and partnership evidence.

Campus energy and carbon neutrality

- **13.2.1** Low-carbon energy tracking
- **13.2.2** Low-carbon energy use
- **13.4.1** Carbon neutrality commitment
- **13.4.2** Target year for Scopes 1 and 2

Education and regional cooperation

- **13.3.1** Local climate education
- **13.3.2** Shared Climate Action Plan
- **13.3.3** Joint climate disaster planning
- **13.3.4** Government early warning support
- **13.3.5** NGO collaboration on adaptation

SCOPE OF THE MAP

The research metrics in 13.1 require separate publication and citation data. The indicator descriptions follow THE’s 2026 methodology.

What the campus inventory records

Rooftop solar, solar heat and efficiency controls serve different campus energy needs.







180,000	**Indoor LED lamps**
350	**Temperature and humidity indicators**
240	**Motion-activated lighting units**
100	**Off-grid solar street lights**
45	**Solar water-heating units**

Evidence E01 / Source register on p. 14 / Figures are reported installed counts

Solar PV generated 694.7 MWh

The NSU SDG 7 report records generation and allocation for January to September 2026.

REPORTED ALLOCATION OF SOLAR GENERATION



313.2 MWh allocated to campus use

381.5 MWh reported sold to the grid

These shares describe where generated solar electricity went. The campus-wide low-carbon share requires total energy consumption across the same reporting boundary.

FOR THE INDICATOR CALCULATION

Report total energy used and low-carbon energy consumed in GJ for the same period. Use the solar electricity consumed on campus in the campus total and track exports separately.

Students explored water scarcity and climate risks

NSU paired a local seminar on environmental culture with scientific exchange on adaptation.



Environmental culture seminar

The Faculty of Exact Sciences and the city Ecological Party council discussed climate risk, land degradation and water scarcity. Students considered energy saving and local greening.



Biodiversity and green economy conference

Experts from more than ten countries discussed biodiversity protection, climate adaptation, food security and public health.

The 2025–2030 plan sets five priorities

The plan identifies the regional administration, ecology authorities and emergency services as partners.

1

Campus energy

Upgrade insulation and expand solar generation and LED lighting.

2

Green campus

Aim to plant 5,000+ drought-resistant trees and improve irrigation and water reuse.

3

Preparedness

Plan drills, safety audits and residence alerts.

4

Education

Run climate seminars and public outreach.

5

Governance

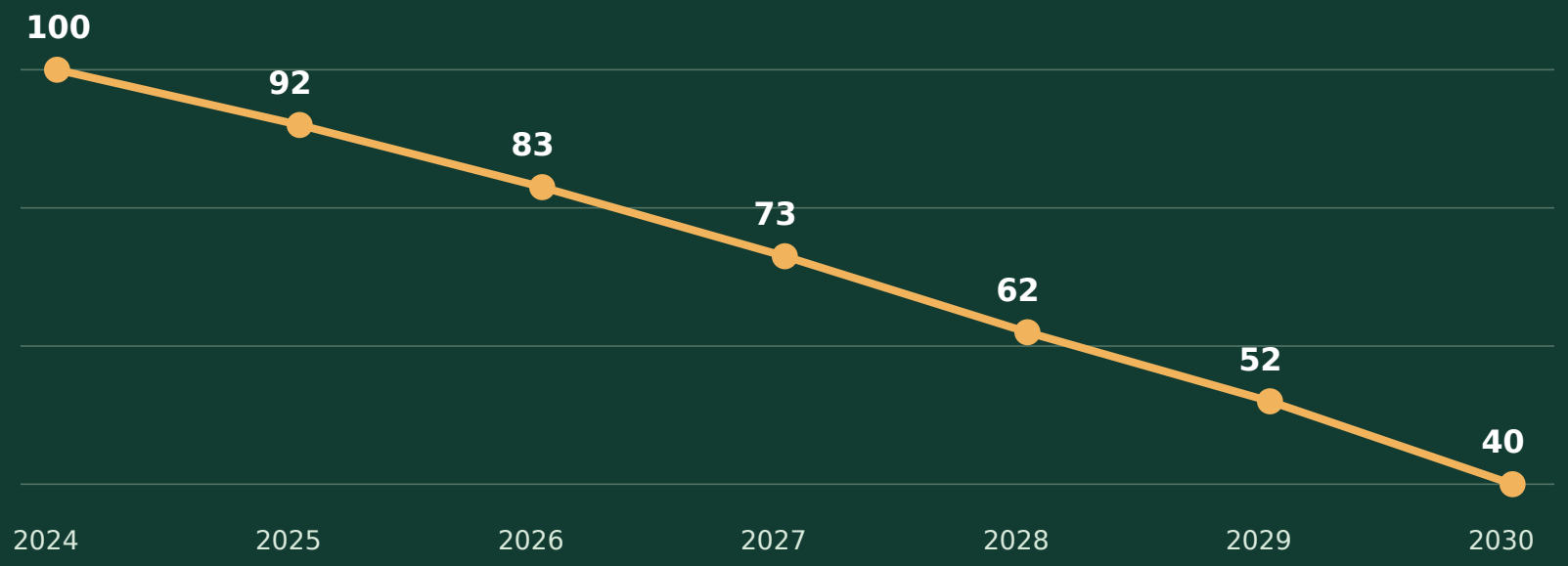
Review progress with local partners and report results.

PUBLICATION AND CIRCULATION

The plan states it was shared with regional stakeholders. A direct publication link and a record of sharing with local community groups would substantiate this indicator.

How the plan charts emissions through 2030

The source chart indexes the 2024 baseline to 100. The series shows planned levels.



Separate 2030 energy target

40%

reduction in non-renewable energy consumption

TWO DIFFERENT MEASURES

The chart ends at an emissions index of 40. The plan separately calls for a 40% reduction in non-renewable energy use. The archive contains no measured emissions series.

Emergency teams rehearsed a campus response

Regional and city emergency departments coordinated exercises at Student Residence No. 1 with NSU.



Evacuation and response

Students moved to designated safe areas. Exercises included rescue simulations, fire suppression and first aid.

Regional environmental cooperation

A separate agreement with the regional ecology department established a university branch within the department and a joint roadmap for education and research.

PLANNING EVIDENCE

The drills demonstrate joint preparedness. A signed plan naming the relevant climate hazards and each partner’s responsibilities would document joint climate disaster planning.

Drills tested emergency response procedures

The archive documents exercises and a proposal for residence alerts. The indicator concerns support to government for climate risk monitoring and warnings.

1

Preparedness exercises

NSU and emergency officials practised response coordination and safe evacuation.

2

Campus alerts in the plan

The Climate Action Plan calls for early warning notifications across student residences.

3

Government monitoring evidence

The report needs a documented example of NSU sharing climate risk data, alerts or monitoring analysis with authorities.

STATUS

The evidence shows emergency preparedness. No operational climate warning feed, monitoring dataset or transmission record appears in the archive.

Local partners brought climate issues into discussion

The source documents a student roundtable and an International Climate Day session.



Environmental roundtable

The Faculty of History worked with the regional Ecological Party council and an NGO. Students discussed waste sorting and responsible water use.



International Climate Day

The city Ecological Party council discussed climate impacts, environmental reform and the role of young people with students.

ADAPTATION EVIDENCE

The roundtable source does not name the NGO. A named agreement and records of work on a specific climate risk would establish joint adaptation activity.

The strategy identifies measures across three scopes

NSU’s evidence report describes a commitment to pursue carbon neutrality and outlines the following measures.

SCOPE 1

Direct emissions

Phase out legacy fossil-fuel boilers, transition the university fleet to battery electric vehicles and manage refrigerant leakage.

SCOPE 2

Purchased energy

Reduce electricity demand through efficient lighting and use campus solar generation and solar heat.

SCOPE 3 · PARTIAL

Value-chain emissions

Promote public transit, expand waste separation and shift selected university processes to electronic systems.

TARGET DATE PENDING

The supplied evidence does not specify a carbon-neutrality year for Scopes 1 and 2. The end of the 2025–2030 action plan does not establish that date.

Which records would strengthen the report

The priorities below follow from gaps in the available evidence.

01 Energy and emissions

Reconcile meter readings, fuel and utility records for the reporting period. Publish energy totals in GJ and an emissions inventory with its reporting boundary.

02 Partnerships and preparedness

Retain signed plans, records of sharing with communities, joint climate-hazard scenarios and examples of monitoring data or alerts provided to government.

03 Adaptation and carbon neutrality

Document a named NGO’s role and the results of its adaptation work. Record and publish the approved neutrality year and the scopes it covers.

Source documents and links

E01–E05 are the five files in the supplied SDG 13 archive. E06 and E07 provide additional context.

E01	**13.2.1.docx**	Energy inventory and installation photographs
E02	**SDG13.3.1.docx**	Climate education and emergency exercise records
E03	**SDG13.3.2.docx**	2025–2030 Climate Action Plan and target trajectory
E04	**SDG13.3.4.5.docx**	Government cooperation, drills and civil society engagement
E05	**13.4.1.docx**	Carbon neutrality strategy and scope measures
E06	**NSU SDG 7 Annual Report**	January–September 2026 solar electricity figures
E07	**THE 2026 methodology**	SDG 13 indicator definitions

NSU event posts cited in E02 and E04

Individual post links are listed in the source documents.