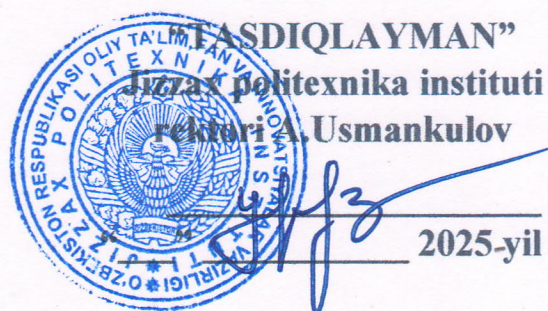




**JIZZAX POLITEHNIKA INSTITUTINING
2025–2030 YILLARGA MO‘LJALLANGAN
BARQAROR RIVOJLANISH VA
IQLIMGA TA’SIRNI KAMAYTIRISH
SIYOSATI**

**SUSTAINABILITY AND CLIMATE
ACTION POLICY
(2025–2030)**

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Jizzax politexnika instituti 2025–2030 yillar davomida iqlim oʻzgarishining salbiy oqibatlarini kamaytirish va barqaror rivojlanishni taʼminlash boʻyicha aniq va tizimli chora-tadbirlarni amalga oshirishga qatʼiy bel bogʻlagan. Ushbu “Barqaror rivojlanish va iqlim harakati strategik rejası” institutda ekologik barqarorlikni kuchaytirish, resurslardan oqilona foydalanish va yashil texnologiyalarni joriy etish orqali ilmiy, taʼlimiy va infratuzilmaviy sohalarida ijobiy oʻzgarishlar qilishni maqsad qiladi.

Strategik reja quyidagi asosiy yoʻnalishlarni oʻz ichiga oladi:

- Institut binolari va kampus infratuzilmasining energiya samaradorligini oshirish;
- Suv resurslarini tejovchi texnologiyalarni joriy etish;
- Quyosh va boshqa qayta tiklanuvchi energiya manbalaridan foydalanish darajasini oshirish;
- Chiqindilarni kamaytirish, saralash va qayta ishlash tizimlarini yoʻlga qoʻyish;
- Yashil hududlar va ekologik obodonlashtirishni kengaytirish;
- Barqarorlik mavzularini oʻquv dasturlariga integratsiya qilish va ilmiy izlanishlarni ragʻbatlantirish.

Ushbu hujjat xalqaro tajribalarga tayangan holda ishlab chiqilgan boʻlib, institutning BMTning Barqaror rivojlanish maqsadlari (SDG), Oʻzbekistonning “Yashil rivojlanish strategiyasi – 2030” va UI GreenMetric, THE Impact hamda QS Sustainability reytinglari talablariga muvofiqligini taʼminlaydi. Rejani amalga oshirish boʻyicha har yili asosiy koʻrsatkichlar (KPI) monitoringi olib boriladi va natijalar asosida yangilanishlar kiritiladi. Shu orqali Jizzax politexnika instituti oʻzining ijtimoiy va ekologik masʼuliyatini chuqur anglagan holda, yashil kelajak sari barqaror qadam tashlaydi.

Jizzakh Polytechnic Institute is firmly committed to implementing concrete and systematic actions to mitigate the negative effects of climate change and promote sustainable development throughout the period of 2025–2030. This “Sustainability and Climate Action Strategic Plan” aims to create transformative change in academic, research, and infrastructural activities through improved environmental stewardship, efficient resource use, and the adoption of green technologies.

The strategic plan outlines the following key focus areas:

- Enhancing energy efficiency in campus buildings and infrastructure;
- Introducing water-saving technologies across facilities;
- Increasing the share of solar and other renewable energy sources;
- Establishing waste reduction, sorting, and recycling systems;
- Expanding green zones and ecological landscaping on campus;
- Integrating sustainability themes into academic programs and promoting research in green innovation.

This document is developed based on international best practices and aligns with the United Nations Sustainable Development Goals (SDGs), the Uzbekistan “Green Growth Strategy – 2030,” and key criteria of global sustainability rankings such as UI GreenMetric, THE Impact, and QS Sustainability. Implementation of the plan will be guided by continuous monitoring of key performance indicators (KPIs), with annual evaluations and updates. Through this approach, Jizzakh Polytechnic Institute demonstrates its deep commitment to social and environmental responsibility, taking strong and measurable steps toward a green and sustainable future.

1. KIRISH

Barqaror rivojlanish va iqlim o'zgarishiga moslashuv hozirgi davrning eng dolzarb global muammolaridan biridir. Birlashgan Millatlar Tashkilotining Barqaror rivojlanish maqsadlari (SDG)da, xususan 7-, 11-, 12- va 13-maqsadlarda energiya samaradorligi, barqaror infratuzilma, atrof-muhitni muhofaza qilish va iqlimga ta'sirni kamaytirish asosiy yo'nalish sifatida belgilangan. Shu bilan birga, O'zbekiston Respublikasi ham o'zining "Yashil rivojlanish strategiyasi – 2030" orqali iqlim o'zgarishiga moslashuv va tabiiy resurslardan oqilona foydalanishni milliy darajada ustuvor yo'nalish sifatida belgilagan.

Jizzax politexnika instituti ushbu global va milliy maqsadlarni amalga oshirishda faol ishtirok etuvchi ilmiy-ta'lim muassasa sifatida, o'z kampusida ekologik barqarorlik, energiya samaradorligi va yashil texnologiyalarni joriy etishni muhim vazifa deb biladi. Institut tomonidan o'tkazilayotgan tadqiqotlar, ta'lim dasturlari va infratuzilma loyihalari zamonaviy iqlim muammolarini hal qilishga hissa qo'shishi lozim.

Shu munosabat bilan 2025–2030 yillarga mo'ljallangan ushbu "Barqaror rivojlanish va iqlim harakati strategik rejasi" institutda amaliy, tizimli va baholanadigan choralarni ishlab chiqish, amalga oshirish va doimiy ravishda monitoring qilishga qaratilgan. Hujjat nafaqat reytinglarda ishtirok etish uchun, balki haqiqatda yashil kelajak sari institutni olib borish yo'lida muhim strategik yo'l xaritasidir.

1. INTRODUCTION

Sustainable development and climate adaptation have become among the most urgent global challenges of our time. The United Nations Sustainable Development Goals (SDGs), particularly Goals 7, 11, 12, and 13, emphasize energy efficiency, resilient infrastructure, environmental protection, and climate action as key global priorities. Similarly, the Republic of Uzbekistan has recognized the importance of green development and resource efficiency through its "Green Growth Strategy – 2030," identifying these areas as national strategic directions.

Jizzakh Polytechnic Institute, as an academic and scientific institution, acknowledges its responsibility to contribute actively to these global and national objectives. The institute places a strong emphasis on promoting ecological sustainability, improving energy performance, and adopting green technologies across its campus operations. Its ongoing research, teaching programs, and infrastructure projects are envisioned as part of the broader solution to contemporary climate challenges.

Accordingly, this "Sustainability and Climate Action Strategic Plan (2025–2030)" has been developed to institutionalize practical, measurable, and long-term actions. It serves not only as a tool for participation in international sustainability rankings but also as a strategic roadmap for leading the institute toward a genuinely green and climate-resilient future.

2. ASOSIY MAQSADLAR VA TAMOIYILLAR

2.1. Maqsadlar

Jizzax politexnika instituti tomonidan ishlab chiqilgan ushbu strategik rejani amalga oshirish quyidagi asosiy maqsadlarga erishishni ko'zda tutadi:

Energiya samaradorligini oshirish

– Institut binolari va obyektlarida elektr energiyasi iste'molini 20% ga qisqartirish.

Qayta tiklanuvchi energiya ulushini oshirish

– Quyosh panellari va boshqa muqobil manbalarni joriy etish orqali kamida 25% energiya ta'minotini qayta tiklanuvchi manbalardan amalga oshirish.

Suv resurslarini tejash

– Suv sarfini 15% ga kamaytirish va suvni qayta ishlash imkoniyatlarini joriy etish.

Chiqindilarni kamaytirish va qayta ishlash

– Kampusda chiqindilarni saralash, qayta ishlash va kompostlash tizimini yo'lga qo'yish.

Yashil hududlar ulushini oshirish

– Kampus hududining kamida 30% ini yashil zonalarga aylantirish.

Ta'lim va ilmiy faoliyatda barqarorlikni integratsiya qilish

– Barqaror rivojlanish va iqlim bo'yicha fanlar, amaliy mashg'ulotlar va tadqiqotlarni kengaytirish.

2.2. Tamoyillar

Strategik rejani amalga oshirishda quyidagi tamoyillar asos bo'lib xizmat qiladi:

Ilmiy asoslanganlik – Har bir tashabbus zamirida dalillarga asoslangan qarorlar bo'lishi kerak.

O'lchanadiganlik va shaffoflik – Barcha jarayonlar KPI asosida baholanadi va ochiq monitoring amalga oshiriladi.

Xalqaro uyg'unlik – Harakatlar SDG, GreenMetric, THE Impact va QS Sustainability kabi reytinglar bilan muvofiq bo'lishi kerak.

Hamkorlik va inklyuzivlik – Talabalar, o'qituvchilar, texnik xodimlar va jamoatchilik faol ishtirok etadi.

Barqaror moliyaviy model – Reja uzoq muddatli va moliyaviy jihatdan barqaror bo'lishi zarur.

2. CORE OBJECTIVES AND PRINCIPLES

2.1. Objectives

The implementation of this strategic plan by Jizzakh Polytechnic Institute is aimed at achieving the following key objectives:

Improve energy efficiency

– Reduce electricity consumption across buildings and facilities by 20%.

Increase the share of renewable energy

– Supply at least 25% of the campus energy demand through solar and other renewable sources.

Enhance water conservation

– Reduce overall water usage by 15% and introduce water recycling options.

Reduce and recycle waste

– Establish on-campus systems for waste separation, recycling, and composting.

Expand green zones

– Transform at least 30% of campus land into green spaces.

Integrate sustainability in education and research

– Promote climate-related academic courses, practical trainings, and applied research.

2.2. Principles

The implementation of the strategic plan is guided by the following key principles:

Scientific justification – Every initiative must be grounded in evidence-based decision-making.

Measurability and transparency – All actions will be monitored and evaluated using clear KPIs.

International alignment – Actions must align with SDGs, GreenMetric, THE Impact, and QS Sustainability frameworks.

Collaboration and inclusiveness – Active participation of students, faculty, staff, and community stakeholders is essential.

Sustainable financing – The strategy must ensure long-term financial viability and resource stability.

3. STRATEGIK YO‘NALISHLAR VA TASHABBUSLAR

Ushbu bo‘limda Jizzax politexnika institutining 2025–2030 yillar davomida barqaror rivojlanishni ta‘minlash uchun bosqichma-bosqich amalga oshiriladigan asosiy strategik yo‘nalishlari va harakat rejalari keltirilgan. Har bir yo‘nalish doirasida aniq tashabbuslar, javobgar bo‘limlar va vaqt doiralari belgilab beriladi.

3.1. Energiya samaradorligi va uglerod emissiyasini kamaytirish

- LED yoritish tizimlariga to‘liq o‘tish (2025–2026)
- Binolarda issiqlik izolyatsiyasi choralari
- Har bir fakultet binosida energiya sarfini monitoring qilish tizimi
- Laboratoriyalar va o‘quv binolarida energiya sarfini kamaytirish bo‘yicha tavsiyalar ishlab chiqish

3.2. Qayta tiklanuvchi energiya manbalarini joriy etish

- Quyosh panellarini o‘rnatish (bosqichma-bosqich 2025–2030)
- Ilmiy markaz va ustaxonalarni quyosh energiyasi bilan qisman ta‘minlash
- Mikrogidravlik nasos tizimlari bo‘yicha tajriba loyihalari
- Qayta tiklanuvchi energiya laboratoriyasini tashkil etish

3.3. Suv tejash va samarali boshqaruv

- Sensorli kranlar va dush tizimlari (2026 gacha)
- Tomchilatib sug‘orish tizimlarini kampus bog‘larida joriy etish
- Suv sarfini raqamli monitoring qilish va hisobot tizimi
- Yomg‘ir suvini yig‘ish va texnik maqsadlarda foydalanish tizimi

3.4. Chiqindilarni kamaytirish va boshqarish

- Chiqindilarni ajratish punktlari (plastik, qog‘oz, oziq-ovqat)
- Elektron chiqindilarni yig‘ish va utilizatsiya qilish markazi
- Kampus ichida kompostlash qurilmasi va o‘quv mashg‘ulotlari
- “Zero Waste Campus” tashabbusi

3.5. Yashil infratuzilma va ekologik landshaft

- Kampus hududining 30% dan kam bo‘lmagan qismini yashil zona qilish
- Iqlimga mos o‘simliklar bilan obodonlashtirish
- Energiya tejovchi issiqxonalarni qurish (yarim shaffof PV bilan)
- Ekologik “yashil yo‘lak”lar va veloyo‘llar tashkil etish

3.6. Ta‘lim, ilmiy izlanish va jamoatchilik ishtiroki

- “Yashil texnologiyalar” fanini joriy etish barcha fakultetlarda
- Iqlim bo‘yicha student forumlari, tadbirlar va konkurslar
- SDG mavzusida diplom ishlari va tadqiqot grantlarini rag‘batlantirish
- Jamoaviy “Green Club”lar va volontyorlik loyihalari

3. STRATEGIC AREAS AND INITIATIVES

This section outlines the strategic directions and action plans to be implemented by Jizzakh Polytechnic Institute during 2025–2030 to ensure sustainable development. For each area, specific initiatives, responsible units, and timelines are indicated.

3.1. Energy Efficiency and Carbon Reduction

- Full transition to LED lighting systems (2025–2026)
- Implementation of thermal insulation measures in buildings
- Deployment of smart energy monitoring in each faculty building
- Guidelines for reducing energy consumption in laboratories and classrooms

3.2. Renewable Energy Integration

- Step-by-step installation of solar panels (2025–2030)
- Partial supply of scientific centers and workshops with solar energy
- Pilot projects on micro-hydro pump systems
- Establishment of a renewable energy research lab

3.3. Water Conservation and Smart Management

- Installation of sensor-based taps and showers (by 2026)
- Drip irrigation systems in campus gardens
- Digital water monitoring and reporting system
- Rainwater harvesting and reuse system for technical needs

3.4. Waste Reduction and Recycling

- Creation of sorting points for plastic, paper, and food waste
- Center for collection and safe disposal of electronic waste
- On-campus composting unit and related training sessions
- Launch of the “Zero Waste Campus” initiative

3.5. Green Infrastructure and Ecological Landscaping

- Convert at least 30% of campus territory into green areas
- Landscaping with climate-resilient plant species
- Construction of energy-efficient greenhouses with semi-transparent PV panels
- Development of eco-friendly “green corridors” and bike lanes

3.6. Education, Research, and Community Engagement

- Introduction of “Green Technologies” course in all faculties
- Organization of student forums, climate events, and competitions
- Promotion of SDG-related thesis topics and grant proposals
- Establishment of “Green Clubs” and volunteer engagement programs

4. MONITORING VA BAHOLASH TIZIMI

Strategik rejani samarali amalga oshirish uchun muntazam monitoring va tizimli baholash zarur. Bu institut darajasida barcha tashabbuslarning holati, samaradorligi va natijalarini o'z vaqtida aniqlash, baholash va zarur hollarda tuzatishlar kiritish imkonini beradi.

4.1. Asosiy ko'rsatkichlar (KPI – Key Performance Indicators)

Yo'nalish	Ko'rsatkich	Maqsad (2030)	O'lchov birligi
Energiya samaradorligi	Yillik elektr sarfi kamayishi	–20%	kWh / m ² / yil
Qayta tiklanuvchi energiya	Ta'minotdagi qayta tiklanuvchi ulush	≥25%	%
Suv sarfi	Kampus bo'yicha umumiy suv sarfini kamaytirish	–15%	m ³ / oy
Chiqindilarni qayta ishlash	Saralangan va qayta ishlangan chiqindilar ulushi	≥50%	%
Yashil hududlar	Yashil zonalarining umumiy kampus maydoniga nisbati	≥30%	%
Ta'lim va tadqiqotlar	Barqarorlik bo'yicha kurslar soni	+100%	ta / yil
Jamoaviy ishtirok	“Green Club” a'zolari soni, tadbirlar soni	Har yili o'sish	ishtirokchilar, tadbir

4.2. Monitoring va hisobot davriyligi

- KPIlar bo'yicha **har chorakda ichki monitoring** o'tkaziladi.
- Har yili yakuniy hisobot** tayyorlanadi (pdf/online versiyada) va rektor hamda keng jamoatchilikka taqdim etiladi.
- UI GreenMetric, THE Impact, QS Sustainability kabi reytinglar indikatorlari bilan solishtirma tahlil qilinadi.

4.3. Javobgarlik va boshqaruv

- Monitoring va hisobot uchun **“Barqarorlik bo'yicha ishchi guruh”** mas'ul hisoblanadi.
- Har bir yo'nalish bo'yicha **mas'ul bo'limlar (Energetika, Qurilish, Suv xo'jaligi, Ekologiya, Ta'lim)** belgilanadi.
- KPI natijalariga qarab har yili **strategik rejaga yangilanishlar** kiritiladi.

4. MONITORING AND EVALUATION FRAMEWORK

To ensure effective implementation of the strategic plan, regular monitoring and systematic evaluation are required. This allows the institute to track the status, efficiency, and outcomes of all initiatives in a timely manner, while enabling course corrections when needed.

4.1. Key Performance Indicators (KPIs)

Focus Area	Indicator	Target (2030)	Unit of Measurement
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Energy efficiency	Annual electricity consumption reduction	–20%	kWh / m ² / year
Renewable energy	Share of renewable sources in total energy supply	≥25%	%
Water consumption	Reduction in total water use across campus	–15%	m ³ / month
Waste recycling	Share of sorted and recycled waste	≥50%	%
Green areas	Share of green zones relative to total campus area	≥30%	%
Education & research	Number of sustainability-related courses	+100%	courses / year
Community engagement	Number of Green Club members and activities	Year-on-year growth	participants, events

4.2. Monitoring and Reporting Frequency

- **Quarterly internal monitoring** will be conducted for all KPIs.
- An **annual sustainability report** will be published (in both PDF and online format) and shared with the rectorate and the public.
- Results will be benchmarked against global rankings such as UI GreenMetric, THE Impact, and QS Sustainability.

4.3. Accountability and Oversight

- The **Sustainability Task Force** will be responsible for monitoring and reporting.
- For each area, **designated departments** (Energy, Construction, Water Management, Ecology, Education) will lead implementation.
- The strategic plan will be **revised annually** based on KPI outcomes.

5. TASHKILIY TUZILMA VA BOSHQARUV

Barqaror rivojlanish va iqlim harakati strategiyasining muvaffaqiyatli amalga oshirilishi uchun aniq belgilangan boshqaruv tuzilmasi zarur. Institut rahbariyati tomonidan ushbu siyosatni strategik darajada qo'llab-quvvatlash bilan birga, operativ nazorat va faol ishtirokni ta'minlaydigan maxsus ishchi guruh tashkil etiladi.

5.1. Barqarorlik bo'yicha ishchi guruh (BBIG)

Vazifalari:

- Strategik rejaning amalga oshirilishini muvofiqlashtirish va nazorat qilish
- KPI monitoringi va yillik hisobotlarni tayyorlash
- Loyihalarni rejalashtirish va ustuvorliklarni belgilash
- Ichki va tashqi manfaatdor tomonlar bilan hamkorlikni yo'lga qo'yish

Tarkibi:

- Ishchi guruh rahbari – prorektor yoki xalqaro reytinglar bo'yicha mas'ul
- Energetika bo'yicha mutaxassis
- Qurilish va xo'jalik ishlari bo'yicha muhandis

- Ekologiya va suv resurslari bo'yicha mutaxassis
- Ta'lim bo'yicha vakil (dekan yoki metodist)
- Talabalar "Green Club" rahbari
- Xalqaro reytinglar bilan ishlash bo'limi vakili

5.2. Boshqaruv mexanizmlari

- Har chorakda BBIG yig'ilishi o'tkaziladi
- Har yili umumiy rektorat oldida hisobot beriladi
- Har bir strategik yo'nalish bo'yicha alohida ishchi guruhlar tashkil qilinadi (masalan: energiya, chiqindi, suv, ta'lim)
- Tashabbuslar bo'yicha donorlar, xususiy sektor va xalqaro hamkorlar bilan muzokaralar olib boriladi

5. GOVERNANCE AND INSTITUTIONAL STRUCTURE

Successful implementation of the Sustainability and Climate Action Strategy requires a clearly defined governance framework. While strategic direction and institutional commitment come from the leadership, operational oversight and coordination will be handled by a dedicated task force.

5.1. Sustainability Task Force (STF)

Main Responsibilities:

- Coordinate and supervise implementation of the strategic plan
- Monitor KPIs and prepare annual sustainability reports
- Plan and prioritize sustainability initiatives
- Facilitate engagement with internal and external stakeholders

Composition:

- Chairperson – Vice-Rector or Head of International Rankings
- Energy efficiency specialist
- Infrastructure and maintenance engineer
- Ecology and water management expert
- Representative from the academic division (e.g., Dean or Curriculum Officer)
- Student Green Club leader
- Officer from the International Rankings and Accreditation Unit

5.2. Operational Mechanisms

- Quarterly STF meetings for performance review
- Annual report presentation to the rectorate and stakeholders
- Thematic working groups formed for each strategic area (e.g., energy, waste, water, education)
- Partnerships with donors, private sector, and international organizations explored for project support

6. XATARLAR, MOLIYAVIY BARQARORLIK VA HAMKORLIK

6.1. Xatarlar va muammolar

Strategik rejaning amalga oshirilishida quyidagi asosiy xatarlar mavjud:

Xatar turi	Tavsifi	Ehtimollik	Ta'siri	Qarshi chora
Moliyaviy	Byudjet yetishmovchiligi	Yuqori	O'rta	Grantlar va donor jalbi
Tashkiliy	Kadrlar almashinuvi, yetarli bilim yetishmasligi	O'rta	Yuqori	Treninglar, tashqi maslahatlar
Texnik	Uskunalar va texnologiyalarning mos kelmasligi	O'rta	O'rta	Texnik audit, bosqichma-bosqich joriy etish
Madaniy	Ekologik madaniyatning pastligi	Yuqori	O'rta	Aholi va talabalar uchun kampaniyalar
Monitoring	KPIlarni o'lchashdagi murakkabliklar	O'rta	O'rta	Raqamlashtirish, ekspert yollash

6.2. Moliyaviy barqarorlik

Strategik reja uzoq muddatli bo'lganligi sababli uni moliyaviy jihatdan qo'llab-quvvatlash doimiy e'tibor talab qiladi. Quyidagi manbalar asosiy moliyalashtirish yo'nalishlari sifatida ko'riladi:

- Institutning yillik kapital va operatsion budjeti
- Davlat grantlari va ekologik innovatsiyalar dasturlari
- Xalqaro donor tashkilotlari (UNDP, GIZ, KOICA, JICA, Erasmus+)
- O'zbekiston–Yevropa Ittifoqi hamkorlik fondlari
- Xususiy sektor bilan davlat-xususiy sheriklik asosidagi loyihalar
- Talabalar va hamjamiyat ishtirokidagi ijtimoiy tashabbuslar (crowdfunding, volontyorlik asosida)

6.3. Hamkorlik va resurslar

Rejaning muvaffaqiyatli amalga oshirilishi keng hamkorlikni talab etadi:

- **Ichki hamkorlar:** fakultetlar, markazlar, texnik xizmatlar, talabalar ittifoqi
- **Milliy hamkorlar:** Ekologiya vazirligi, Qurilish va uy-joy kommunal xo'jaligi vazirligi, Energetika vazirligi, Innovatsiyalar agentligi
- **Xalqaro hamkorlar:** UNDP, UNESCO, ADB, World Bank, UI GreenMetric tarmog'i, QS va THE platformalari orqali universitetlar

6. RISKS, FINANCING AND PARTNERSHIPS

6.1. Risks and Challenges

The following risks may affect the successful implementation of the strategic plan:

Risk Type	Description	Likelihood	Impact	Mitigation Strategy
Financial	Budget limitations	High	Medium	Donor and grant acquisition

Organizational	Staff turnover, lack of expertise	Medium	High	Training, external consulting
Technical	Incompatibility of equipment	Medium	Medium	Technical audits, phased deployment
Cultural	Low environmental awareness	High	Medium	Public awareness campaigns
Monitoring	Difficulty in tracking KPIs	Medium	Medium	Digitization, hiring experts

6.2. Financial Sustainability

Given the long-term nature of this strategy, continuous and diversified funding is essential. The main financial sources include:

- Annual institutional capital and operational budgets
- Government grants and eco-innovation funding programs
- International development partners (UNDP, GIZ, KOICA, JICA, Erasmus+)
- EU–Uzbekistan cooperation funds
- Public-private partnerships with local businesses
- Community-based initiatives including crowdfunding and volunteer projects

6.3. Partnerships and Resources

Achieving the plan's objectives will require broad collaboration:

- **Internal partners:** faculties, research centers, technical services, student union
- **National partners:** Ministry of Ecology, Ministry of Energy, Ministry of Construction and Utilities, Innovation Agency
- **International partners:** UNDP, UNESCO, ADB, World Bank, UI GreenMetric Network, global universities via QS and THE

7. QO‘SHIMCHALAR VA ILOVALAR

Ushbu bo‘limda strategik rejaning qo‘shimcha materiallari, texnik hujjatlari va vizual axborotlari taqdim etiladi. Qo‘shimchalar institut ichida qaror qabul qiluvchilar, hisobot tuzuvchilar va monitoring guruhlari uchun muhim manba hisoblanadi.

7.1 To‘liq KPI jadvali

#	Yo‘nalish	Ko‘rsatkich	2025	2027	2030	O‘lchov
1	Energiya samaradorligi	Elektr sarfi kamayishi	–5%	–12%	–20%	kWh/m ²
2	Qayta tiklanuvchi energiya	Qayta tiklanuvchi manbalar ulushi	10%	18%	≥25%	%
3	Suv tejash	Suv sarfini kamaytirish	–4%	–10%	–15%	m ³ /oy
4	Chiqindilarni qayta ishlash	Saralangan va qayta ishlangan chiqindi ulushi	30%	40%	≥50%	%
5	Yashil zona	Kampusdagi yashil hududlar ulushi	20%	25%	≥30%	%

7.2. SDG bilan muvofiqlik matritsasi

Strategik yoʻnalish	SDG raqami va nomi
Energiya samaradorligi	SDG 7: Affordable and Clean Energy
Yashil infratuzilma	SDG 11: Sustainable Cities and Communities
Qayta tiklanuvchi energiya	SDG 13: Climate Action
Suv tejash	SDG 6: Clean Water and Sanitation
Taʼlim va ilmiy izlanish	SDG 4: Quality Education
Hamkorlik va barqaror boshqaruv	SDG 17: Partnerships for the Goals

7.3. Vizual qoʻshimchalar (ilova shaklida qoʻshiladi)

- Kampus xaritasi (yashil zonalar, chiqindi punktlari, quyosh panellari joylashuvi)
- KPI grafiklari (yillik prognoz va amaliy natijalar taqqoslamasi)
- “Green Club” tadbirlar fotosuratlarini va statistikasi
- Reja boʻyicha masʼul boʻlimlar va shaxslar roʻyxati

7. APPENDICES

This section provides technical documentation, visual materials, and supporting data to complement the strategic plan. These resources serve as tools for internal decision-makers, reporting teams, and monitoring staff.

7.1. Complete KPI Table

#	Focus Area	Indicator	2025	2027	2030	Unit
1	Energy Efficiency	Reduction in electricity consumption	–5%	– 12%	–20%	kWh/m ²
2	Renewable Energy	Share of renewables in total supply	10%	18%	≥25%	%
3	Water Conservation	Reduction in water usage	–4%	– 10%	–15%	m ³ /mo
4	Waste Management	Share of sorted and recycled waste	30%	40%	≥50%	%
5	Green Infrastructure	Proportion of green zones across campus	20%	25%	≥30%	%

7.2. SDG Alignment Matrix

Strategic Area	Relevant SDG(s)
Energy Efficiency	SDG 7: Affordable and Clean Energy
Green Infrastructure	SDG 11: Sustainable Cities and Communities
Renewable Energy	SDG 13: Climate Action
Water Conservation	SDG 6: Clean Water and Sanitation
Education & Research	SDG 4: Quality Education
Governance & Partnerships	SDG 17: Partnerships for the Goals

7.3. Visual and Technical Appendices (to be attached)

- Campus map (green areas, waste stations, solar installation zones)
- KPI graphs (yearly trends and projected vs actual performance)
- Photo documentation of “Green Club” activities

- Contact list of responsible units and task force members

YAKUNIY SO‘Z

Barqaror rivojlanish — bu nafaqat infratuzilma va texnologiyalarni o‘zgartirish, balki tafakkurni, qadriyatlarni va institut madaniyatini ham yangilashdir. Bugun biz tanlagan har bir qaror, tashlangan har bir qadam — ertangi kunimiz uchun asosdir.

Jizzax politexnika instituti bu strategik reja orqali nafaqat o‘z kampusida yashil muhitni yaratishni, balki yosh avlod ongiga ekologik mas’uliyat, innovatsion fikrlash va global fuqarolik tushunchalarini singdirishni maqsad qilgan.

Biz yashil kelajak sari yo‘lga chiqdik. Bu yo‘l bizdan fidoyilik, hamkorlik va doimiy o‘rishni talab qiladi. Bu rejani hayotga tatbiq etish orqali institutimiz nafaqat respublikamizda, balki butun Markaziy Osiyo mintaqasida barqaror rivojlanish bo‘yicha yetakchi oliy ta’lim muassasalaridan biriga aylanishiga ishonamiz.

YASHIL KELAJAK SARI!

CLOSING STATEMENT

Sustainability is not only about transforming infrastructure and technologies — it is about transforming mindsets, values, and institutional culture. Every decision we make today, every step we take, lays the foundation for a better tomorrow.

Through this strategic plan, Jizzakh Polytechnic Institute commits not only to greening its campus, but to shaping the minds of future generations with a deep sense of ecological responsibility, innovative thinking, and global citizenship.

We have set out on a journey toward a greener future. This journey demands dedication, collaboration, and continuous improvement. By implementing this plan, we believe our institute will emerge as a regional leader in sustainability across Central Asia.

TOWARD A GREEN FUTURE!